



CALENDAR

1966-1967

University of King's College

FOUNDED A.D. 1789

HALIFAX, NOVA SCOTIA

178th SESSION

CONTENTS

Administration	9
Alexandra Society	204
Almanac	4
Alumni Society	204
Atlantic Summer School of Advanced Business Administration	177
Awards	202
Chapel	17
Classes Of Instruction:	
Arts and Science	57
Divinity	167
Constitution	15
Convocation, 1965	206
Degrees and Courses	21, 48, 167
Diction	176
Discipline	18
Enrolment	Inside Front Cover
Examinations	45
Faculties	16
Arts and Science	11
Divinity	12
Fees and Expenses	32
Governors—Board of	6
History	13
Institute of Pastoral Training	178
Library	19
Loan Funds	203
Regulations:	
General	24
Faculty of Arts and Science	41
Faculty of Divinity	164
Matriculation	38
Residence	22
Scholarships, Bursaries, Prizes:	
Arts and Science	180
Divinity	190
Service Training	30
Social Work	174
Student:	
Employment	26
Government	19
Health	26
Organizations	200

GENERAL UNIVERSITY ALMANAC 1966 - 67

- June 19 Su. —The Atlantic Summer School for Advanced Business Administration begins.
- July 13 W. —Last day for receiving applications¹ for Fall Supplemental examinations in all faculties.
- July 23 S. —The Atlantic Summer School for Advanced Business Administration ends.
- Aug. 16 Tu. —Supplemental examinations begin in Arts and Science.
- Sept. 1 Th. —Last date for receiving applications for admission to Faculties of Arts and Science and Divinity.
- 12 M. —Supplemental examinations begin in Divinity. Registration (and payment of fees) begins for new students in Faculty of Arts and Science and in the School of Divinity. The only regular registration day for new students from Halifax and Dartmouth.
- 13 Tu. —Registration begins for other new students in Faculty of Arts and Science and in the School of Divinity.
- 14 W. —Registration begins for other than new students in Faculty of Arts and Science and in the School of Divinity.
- 17 S. —12 noon. Regular registration² period ends for students in Arts and Science and in the School of Divinity. Halifax Students will not be registered on this day. Late fee payable after this date.
- 19 M. —8.30 a.m. Classes begin in Arts and Science and Divinity.
- 26 M. —Last day for change of course in Faculty of Arts and Science³ and School of Divinity.
- Oct. 3 M. —Final date for late admission (Arts and Science and Divinity).
- 4 Tu. —Meeting of Arts and Science Faculty Council. Meeting of the Divinity Faculty.
- 10 M. —Thanksgiving Day No classes.
- Nov. 11 F. —Remembrance Day. No classes.
- Dec. 21 W. —12.30 p.m. Christmas vacation begins.

¹ Fee must accompany application for examination. If a late application is accepted, an additional fee of \$2.00 per day (maximum \$5.00) must be paid. The late fee applies between July 16 and 31. No applications will be considered after July 31 and no refund of fee will be paid after this date.

² Late registration requires approval of the Dean of the Faculty, and an extra fee not to exceed \$5.00 per day or a total of \$35.00.

³ Charge of \$1.00 for changing course after this date. For classes cancelled after this date, see p. 37.

1967

- Jan. 4 W. —8.30 a.m. Classes resumed.
- 3 F. —Munro Day. No classes.
- Feb. 4 S. —Winter Carnival. No classes.
- 6 M. —Study break.
- Mar. 13 M. —Classes resumed.
- 24 F. —Good Friday. No classes.
- 31 F. —Last day for receiving applications for Spring supplemental examinations. (Fee must accompany applications.)
- Apr. 19 W. —Last day of classes in Arts and Science and Divinity.
- 24 M. —Spring examinations begin in Arts and Science and Divinity.
- May 12 F. —11.00 a.m. Meeting of Faculty of Arts and Science.
- 14 S. —2.30 p.m. Meeting of Divinity Faculty.
- 17 W. —11.00 a.m. Baccalaureate Service (King's)
- 18 Th. —Encaenia Day—King's Convocation—Divinity, and Social Work.
- 18 Th. —University Convocation. Regular session ends.



OFFICE HOURS

Week days (Monday-Friday) —9.00 a.m. - 5.00 p.m.

June, July, August (Monday-Friday) —9.00 a.m. - 4.30 p.m.

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Occasional Lecturer in Church Polity and Canon Law,
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University of King's College

HISTORICAL SKETCH

The history of higher education in Canada began in 1789 with the founding at Windsor, Nova Scotia, of the University of King's College. At the time of its establishment it was, with the exception of the fifteenth-century King's College in Cambridge and in Aberdeen, the only foundation of that name in existence. Although there had been a King's College, New York, chartered by George II in 1745, it did not survive the end of the colonial period in America and its re-organization in 1784 under the name of Columbia College was undertaken on an entirely different plan. The Loyalist political and religious principles upon which the New York seminary had been founded migrated, along with the Loyalists themselves, to Eastern Canada, and in 1802 a Royal Charter was granted by George III proclaiming King's College, Windsor, "the Mother of an University for the education and instruction of youth and students in Arts, to continue forever and to be called King's College."

Since that time, King's has maintained in Canada certain of the Oxford traditions. In 1920, when the original buildings were destroyed by fire, the University moved to Halifax, where, with the assistance of the Carnegie Corporation, new buildings were eventually erected on the campus of Dalhousie University. In 1930 it entered into partnership with Dalhousie which, with a Royal Charter dating from 1820, is the third of Canada's senior universities. This novel arrangement, by which the English and Scottish University traditions were united, is upheld by a special agreement under which the two have maintained joint faculties of Arts and Science, so that undergraduates of King's read for the B.A. and B.Sc. of Dalhousie. King's has left her own degree-granting powers in abeyance in these faculties and now gives degrees in theology by examination, together with honorary degrees in Divinity and Laws, and a Master's Degree in Social Work on recommendation of the Maritime School of Social Work.

In May 1941, the King's College buildings were taken over by the Royal Canadian Navy as an Officer's Training Establishment, and during the next four years, until May 1945, nearly 3100 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.

King's College is residential, on the Oxford and Cambridge pattern, and, in addition to the day students who live out, 125 men and 100 women can be accommodated in residence. Dinner in Commons Hall is formal with Latin grace; the wearing of academic dress is required of all members of the College *in statu pupillari* and the emphasis is everywhere upon the corporate life. The inestimable benefits of life in a small residential college are, in England at least, an accepted part of the "Oxbridge" tradition, but this is certainly not so in North America, where universities have in general followed either the German policy of having no residential facilities at all, or the English provincial plan of housing a proportion of the student body in "halls of residence" entirely separated from the university itself. The corporate life in King's thus emerges as something rare on the North American continent, since it is designed to educate "the whole man" and not simply to train him for specific examinations.

In addition to its athletic activities, the College runs a vigorous Debating Society, known as the "Quintilian", and a Dramatic Society which stages two plays each year. Daily services are held in the Chapel for those who wish to participate; although the College is an Anglican foundation and incorporates a School of Divinity for the training of Anglican clergy, there is no denominational bar aimed at the exclusion of non-Anglicans from membership of the College, either as lecturers or students. Several members of the Faculty are themselves resident and function in the traditional manner as "dons" for the staircases or "bays". As a matter of mild interest, the bays are named: Chapel Bay is the most distant from the Chapel; Middle Bay is not in the middle; North Pole Bay in on the South side and its proximity to the furnace

makes it the warmest, while Radical Bay houses the theological students. The residential structure of the College is, in this respect, a practical manifestation of donnish humour of a kind not often encountered on the Western side of the Atlantic. Alexandra Hall is the residence for women, and the newest area for men is Cochran Bay.

Now that there are many large overcrowded universities which find it difficult if not impossible to concentrate upon anything not strictly connected with a student's graduation at the earliest possible time, there is all the more reason for the encouragement of the small residential university wherein the future leaders of society may be educated towards the acceptance of social and moral responsibility. The education of such people must be conducted on an individual, not a mass, basis.

King's tries to be a miniature of the Christian ideal of the larger community and as such can never be considered an anachronism. It is this, rather than any of the more superficial observances, which links King's with the older universities of Britain and makes it unusual in Canada.

CONSTITUTION

The Board of Governors is the Supreme Governing Body of the University. It consists of the Bishops of the Diocese of Nova Scotia and Fredericton, the President of the University, the Vice-President, the Treasurer, two members elected by each Faculty, together with eight members elected by the Alumni Association, six by each of the Synods of Nova Scotia and Fredericton, and not more than eight 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.

Convocation consists of the Chancellor and the Vice-Chancellor, together with all Bachelors of Divinity and Masters and Doctors of the University; Members of the Board of Governors and of the Faculty of Arts and Science who hold the degree of Master or Doctor from any recognized

University; members of the Faculty of Divinity; Fellows of the University and Bachelors of the University of five years' standing who are recognized by the Clerk of Convocation. All degrees are conferred by Convocation.

The Faculties consist of the members of the teaching staff on the King's Foundation in the Faculty of Arts and Science under the Agreement of Association with Dalhousie University and the members of the teaching staff in the School of Divinity.

FACULTIES

Faculty of Arts and Science

The University of King's College having entered an association with Dalhousie University, the students registered in Arts and Science attend classes jointly with Dalhousie students. These classes are given by Dalhousie professors or by professors on the King's Foundation, depending on the course taken. The students of both institutions follow the same curriculum, take the same examinations, and must attain the same academic standard.

Faculty of Divinity

The school of Divinity is under the direction of the Divinity School Council which is responsible to the Board of Governors. Degrees and diplomas in Theology are awarded to candidates fulfilling the necessary academic requirements, regardless of religious denomination or sex. Students are also prepared to meet Ordination requirements in the Anglican Church of Canada. The Course of Study for these candidates is subject to the Bishops in the Dioceses of Nova Scotia and Fredericton.

AFFILIATED INSTITUTIONS

The Maritime School of Social Work was incorporated in 1941.

The Atlantic Summer School of Advanced Business Administration was founded in 1952.

The Institute of Pastoral Training was founded in 1955.

EXEMPTIONS GRANTED TO KING'S COLLEGE BY OTHER INSTITUTIONS

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

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

PRIVILEGES GRANTED TO UNIVERSITY OF KING'S COLLEGE STUDENTS BY FINE ARTS GROUPS

Students of University of King's College have the privilege of attending a variety of musical and dramatic events at reduced rates. Organizations which extend this privilege include:

Halifax Community Concerts
Halifax Ladies' Musical Club
Halifax Symphony
Theatre Arts Guild

Travelling art exhibits are on display in the University Art Gallery throughout the academic year.

CHAPEL

Regular worship is an integral part of the facilities afforded by the University. All students are encouraged to attend the daily morning and evening services in the College Chapel. On Sunday mornings, all students are expected to attend the Chapel Service or some other service of their choice.

Sunday Services:

8:30 a.m. Holy Communion.

11:00 a.m. Morning prayer and Sermon.

The times of week day services are announced at the beginning of each session.

The service on Wednesday morning is a College Corporate communion.

While the services in the Chapel follow the Anglican rite, students of all denominations are welcome and encouraged to attend.

The Rev. D. F. L. Trivett has been appointed to a ministry which includes the Nova Scotia Universities. He is available to all students and conducts discussion groups for students and faculty.

DISCIPLINE

The maintenance of discipline is in the hands of the President, the Deans, and the Professors. Under powers delegated by the Board of Discipline, undergraduates exercise a measure of self-government in maintaining good order and discipline in the residences. Students conducting themselves in an unbecoming manner on or beyond the premises of the College during the session may be fined, rusticated, suspended or expelled. When a student is expelled from residence there is no return of fees.

Resident students of the first and second years under twenty-one years of age may not bring cars to the campus and no students may bring motorcycles. Resident students of more than two years standing may have cars on the campus after obtaining permission from the Dean. Before such permission is given, a student must provide a (1) letter from his parent or guardian giving approval and (2) evidence that the car is insured. (3) Pay the parking fee. There is a limited number of parking spaces available.

Students are required to be properly and neatly dressed at all times. Each student must have a gown, which may be purchased at the office of the Dean of Women.

All students are expected to attend all lectures and laboratories regularly and punctually and to perform all exercises assigned by the Faculty. Habitual absence from classes and laboratories will be viewed most seriously by the Board of Studies.

STUDENT GOVERNMENT

Student government representatives of King's College are elected during the spring term to various offices within the King's College Student Union, The Student Assembly, The Students' Council, The Women's Residence Council and The Men's Residence Council. Constitutional procedures have been drawn up by the students to enable them to administer student activities, and to discharge as much as possible the responsibility to themselves and to the College for student activities, behaviour and student affairs related to a healthy college life.

Dons in the Bays, the Dean of Men, the Dean of Women, the Registrar, Business Manager, Faculty and President are in positions of help and authority, and the people filling these offices will aid, and direct where necessary, the actions of students, and will act as much as is within their power in the best interests of the students and the College.

KING'S COLLEGE LIBRARY

King's College Library was founded in 1789. Just after the Royal charter was granted to the College in 1802, Bishop Inglis sent his son to England with \$250 to begin the purchase of books. The library grew steadily during the 19th century and was probably one of the best libraries in English-speaking Canada of the time. There were various benefactors over the years, chief of whom was Thomas Beamish Akins. From Mr. Akins the library received most of its rare collection of some 40 incunabula (books printed before 1500, that is, during the first fifty years since the invention of printing with movable type). This is a remarkable number of these very rare books to be found in such a small library.

King's Library is very rich in the field of English literature. Much of the credit for the development in this field

must go to the late Professor Burns Martin. The Professor Burns Martin Memorial Fund continues to aid the library's growth in this area.

With the help of the William Inglis Morse Endowment for Canadiana, this important area of study is growing steadily as more and more works are being published about our country.

The largest proportion of books, however, is found in the field of Theology. This collection is large and comprehensive and constantly kept up to date. The John Haskell Laing Memorial Bequest helps with the purchase of books in this field.

Book purchases in the general field are aided by memorial funds to the following persons: the Hon. William Johnston Almon, Frances Hannah Haskell, James Stuart Martell, and Thomas Henry Hunt (Alumni Memorial).

The library is open Monday to Friday from 9.00 a.m. to 5.00 p.m., and 7.00 p.m. to 10.45 p.m. On Saturdays the hours are 9.00 a.m. to 12.00 noon. For part of the session the reading room will be open on Saturday and Sunday from 2.00 to 5.00 p.m.

The student loan period for all books except those on reserve is one week. Books on the reserve lists may be borrowed for a period of three days or overnight only. Overnight books may be used in the library during the day and taken out anytime after 3.30 p.m. They are due at 10.00 a.m. the following morning.

Fines will be charged for overdue books at the rate of twenty-five cents a day for seven day books and fifty cents per day for three-day books. Overnight reserves will have an overdue charge of five cents an hour while the library is open.

Students are given the privilege of borrowing books for the summer.

DEGREES AND COURSES

The degrees of Doctor of Divinity, Doctor of Civil Law, may be conferred *honoris causa* in recognition of eminent literary, scientific, professional or public service.

The dignity and honour of Fellow may be conferred by the vote of Convocation upon any friend of the University for noteworthy services rendered on its behalf.

Convocation confers the degrees in course of Doctor of Divinity and Bachelor of Divinity (on recommendation of the Board of Examiners of the General Synod of the Anglican Church of Canada), Master of Social Work (on the recommendation of the Maritime School of Social Work), Bachelor of Sacred Letters and Bachelor of Sacred Theology. Courses are prescribed for the diplomas: Licentiate of Theology, Student of Theology, Associate of King's College, Nova Scotia.

Pre-professional work in Arts and Science by students intending to enter one of the Dalhousie professional schools may be taken as a student of King's College.

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.

Bachelor of Education

King's College graduates are eligible for the course leading to a degree in Education. Either Education 1 or 2 may be taken by undergraduates for credit towards a degree; but not both.

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 Professional Certificate (Class II) to teach in any public school in Nova Scotia. Mastery of the content of this course is a necessary step toward securing the Professional Certificate (Class I).

KING'S COLLEGE RESIDENCE 1966 - 67

Registrar—The Rev. James R. McMahon, B.A. (Dal.) L.Th. (Vind.)

Dean of Men—J. G. Morgan, B.A. (Notts.), M.A. (McM).

Dean of Women—Mrs. G. L. Covert, B.A., M.A. (Dal.).

Dons—Stephen Hart, B.Sc. (Dal.)

Alan Ruffman, B.Sc.

Prof. Morgan, Dean of Men

Lionel Teed, (Medical Don)

The Rev. F. W. Wentzell, B.A., S.T.M.

Residence life at the University is the rule for all students because the community life there enjoyed forms an essential part of the student's education. Exceptions will be made in the case of a student living at home or with relatives living within easy travelling distance of the College.

Male students live in the men's bays (Chapel, Middle, Radical, North Pole and Cochran), each housing 22-26 men, under the supervision of a resident Don. Female students live in Alexandra Hall, a residence accommodating 100 girls, under the supervision of the Dean of Women.

All rooms are furnished with bed, dresser, closet, desk and chairs, but students are required to provide their own

bedding and towels, and to attend to their own laundry arrangements. Coin-operated washing and drying equipment is provided in both men's and women's residences. Buildings are heated from a central heating plant, as is hot water for domestic use.

Single and double rooms are available to both men and women, priority for single rooms being given to students in their senior years.

The residences have been designed to provide for the comfort and convenience of the students, and to facilitate study. In the men's residence, two students occupy a suite of two rooms (bedroom and study). The men's common room and lounge is open to residents of all bays, as is the Haliburton Room, a gathering place for all students and the site of many student activities.

The women's residence was built in 1962 and is modern in every respect. It contains, besides the rooms in which female students live, a reading room, lounges, games room, a service elevator and ample storage space.

Both residences are designed so that it is not necessary to go outside for meals and extra-curricular activities.

Meals are prepared and served to all resident students in Prince Memorial Hall, erected in 1962.

Students accepted in residence must remain for the whole session, or, in the case of withdrawal during the session, must obtain substitutes satisfactory to the Dean. All residents will be charged with room for the complete session and will be liable for this charge unless or until a substitute has assumed obligation to the University for the balance. No student may withdraw from the residence without notice to the Dean.

The residence will be opened for students from the evening of September 11th, 1966, until the morning of December 21st, 1966, and from the evening of January 3rd, 1967, to the morning of May 19th, 1967. Resident students in faculties whose terms exceed these periods may reside in the College by permission of the Dean on payment of

rent; and, when Prince Hall is open, meals may be eaten by arrangement with the Steward.

(Students not in their graduating year will be expected to vacate the residence on the day following their last examination.)

Confirmation of accommodation will not be made until the student has been accepted by the University for the coming session and a \$50.00 residence deposit has been received by the Business Office. Deposits for all applications made prior to July 15th must be received by that date. Applications for Residence accommodation made after July 15th must be accompanied by the \$50.00 deposit. Cancellation of application received by the Registrar prior to September 1st will entitle the student to a refund of the \$50.00 deposit.

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.

Under no circumstances may a student register unless all previous accounts to the university are paid.

Students withdrawing from the University or intending to discontinue the work of any Arts or Science class must notify the Registrar and the Business Manager.

Discipline

If a student is required by a Faculty to discontinue attendance in the Faculty solely because he has failed to main-

† 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.

tain 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.

No return of fees will be made to any student dismissed from classes or from residence, 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.

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.

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 degrees may be conferred, in exceptional cases, *in absentia*. Written application giving reasons

* These regulations do not apply to the Dramatic Society.

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.

Student Employment

The National Employment Service, in co-operation with the University, maintains a year-round office on campus. This is done to assist students in obtaining employment and to assist employers wishing to recruit at this University.

All students wishing assistance in obtaining part-time, summer, or graduates seeking permanent employment, are urged to register early in October with the University Placement Officer, LeMarchant Street.

There are opportunities for students to earn part of their college expenses by working in the Library, Gymnasium and Dining Hall

Students' Counsellor

Students worried or anxious about any matter are invited to consult the students' counsellor, who is a physician with broad experience in other fields. There is no fee for this service and all interviews are strictly confidential.

Office hours: 2.30 p.m. to 5.00 p.m., Monday through Friday, Room 211, Arts and Administration Building.

Tutors

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

Student Health Service

The Student Health Service is located at the Dalhousie Public Health Clinic, 5849 University Avenue.

1. All students registering for the first time at the University are required to submit a certificate of health. This requires a physical examination by the student's personal physician and the completion by the physician of the University's Health record.

2. All students returning to the University are required to complete an annual medical questionnaire at the time of registration.

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

4. Tuberculin Tests.

(1) All students are required to have an annual tuberculin test. The purpose of this test is to protect students from the risk of infection by carriers who may not display any visible signs of disease or be aware of their condition. The effectiveness of such precautionary measures is reduced very considerably unless every student is tested. The co-operation of students in this simple and harmless test is vital to the welfare of the entire student body.

2 Students will be required to return for the interpretation of the test. If the reaction is positive a chest X-ray will be required.

(3) Students who are conscientious objectors to the tuberculin test or X-ray must indicate this and obtain a certificate of good health from the Student Health Service. The tuberculin test is a requirement for registration. Those who do not complete this requirement will not be fully registered and will be required to pay the fee for late registration.

5. Medical Care.

Students requiring medical attention should telephone the Student Health Service (429-1420, local 367) for an appointment. The clinic is open from 9.00 a.m. to 12.00 noon, and from 1.30 p.m. to 5 p.m. Monday through Friday. Students requiring medical attention at such times as the Clinic is not open should telephone 423-6916.

6. Emergency Treatment.

In the event of a medical emergency students should telephone the Student Health Service.

7. Hospital Care

In most instances, Canadian students are eligible to receive insured standard ward care in the Halifax Hospitals should hospitalization be necessary during their University year. This is provided by arrangements between the Hospital Insurance programme in Nova Scotia and similar Hospital Insurance programmes in all Canadian provinces. The student is expected to enroll in the Hospital Insurance programme of his home province where such enrolment is required. If he does not obtain such coverage, the Student Health Service will not be responsible for hospital accounts.

8. The Student Health Plan does not provide for the following:

- (a) Medical or Surgical care other than that provided by or arranged through the Student Health Service. (WARNING: Except in emergencies, students who are admitted to hospital or have other medical services except by prior arrangement with the Student Health Service will not have their accounts for hospital or medical services paid.)
- (b) Surgical operations other than those arranged by the Student Health Service.
- (c) Dental treatment.
- (d) Illnesses attributable to misconduct.
- (e) X-ray or Laboratory service except as authorized by the Student Health Service.
- (f) Prescriptions other than those prescribed in the Student Health Service.
- (g) Obstetrics, and hospital charges connected therewith.

9. All students entering the University who can not present certificates of having been successfully vaccinated against smallpox will be required to submit to vaccination. A free clinic for immunization against diphtheria and small pox is held every Wednesday at 2.00 p.m. at the Halifax Health Centre, 5970 University Avenue.

10. Coverage under the Student Health Service applies to all registered students with the exception of (a) Students registered for the degree of Bachelor of Nursing—for the period of hospital training only; (b) Students in fifth-year Medicine; (c) Students in Graduate Psychiatry; (d) Occasional students.

11. Further services or requirements may be announced at the time of registration.

Health and Physical Education

All students in their first year of attendance at the University are advised to follow a prescribed course in Health and Physical Education, unless they are exempted by a medical certificate or by satisfactory evidence that they have already completed a similar course at an approved institution. Each new student on registration is expected to report to the Director of Physical Education.

Church Attendance

All students not residing with parents or guardians are invited to report to the University Office, on or before October 15, the churches which they intend to make their places of worship during the session. The University extends its facilities to all denominations to make contact with their adherents following registration.

The CHAPLAIN'S OFFICE is on the first floor of the Arts Annex Building, (Dalhousie) and will be open week-days 9:30-5:00 under normal circumstances. Students are invited to drop in any time.

Below are definite office hours for convenience, but Chaplains might be found in the office or around the Annex or Campus almost any time.

Anglican:

Rev. Donald Trivett
1665 Oxford St. 423-5707

Mornings and
any time

Baptist:

Rev. George S. McGray
7087 Bayers Rd. 455-9140

Monday 1.00 - 5.00

Jewish:

Rabbi Joseph Deitcher
6674 Quinpool Rd. 423-5200
Thursday 1.00 - 4.00

Lutheran:

Rev. R. E. Rock
44 Summit St. 466-7005

Presbyterian:

Rev. R. D. MacLean
6357 London St. 454-5253
Friday 1.00 - 5.00

Roman Catholic:

Father G. MacLean
St. Patrick's Rectory. 429-1300
Tuesday 1.00 - 5.00

United:

Rev. Don MacDougall
6232 Cedar St. 423-4271
Wednesday 1.00 - 5.00
and almost any time

Articles Lost and Found

Students are required to report promptly at the Business Office the loss or finding of any article in or about the University buildings or grounds. The University will not accept any responsibility whatever for books, clothing, etc., lost or removed from the University premises.

University Naval Training Division

The University Naval Training Divisions constitute 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 Staff Officer, whose office is located in H.M.C.S. Scotian.

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 phys-

ically 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 Drill Hall, Windsor Park.

R.C.A.F Reserve University Squadron

The Reserve University Squadron provides officer training in technical and non-technical branches of the Royal Canadian Air Force to male and female students who meet R.C.A.F. standards and who are available for two or three summers of training before graduating from 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 Building No. 2, R.C.A.F., Gorsebrook, South Street.

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.

EXPENSES***Resident Students**

The annual charges for board, light, etc., to Resident Students from Arts and Science registration day (including Sunday, September 11th) until Dalhousie Convocation Day (except that students not in their graduating year will be expected to vacate the residence on the day following their last examination) are as follows: — —

	Double	Single
Men's Residence	\$675.00	\$725.00
Women's Residence	\$675.00	\$725.00

Students in residence must make a deposit of \$400.00 at commencement of the first term, the balance of the bill to be paid in January. New students are expected to deposit \$50.00 when pre-registering and returning students \$20.00. This will be credited to first term account.

Non-Resident Students

Non-Resident Students must pay for the following at commencement of the first term: student body fees, the cost of 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 3% will be charged and a further 2% for each additional complete month until paid. The same applies to charges payable by Non-Resident Students.

Second term residence fees are due in January and surcharges as above will be levied after January 30th.

Fee For Student Organizations

At the request of the King's student body, a fee of \$30.00 is collected on enrolment from each student who takes more than one class. This fee entitles the student to the privileges

* 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.

of the various students' 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 \$15.00 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, usually during June. No refund in whole or in part will be made before that month.

Each year a student, on returning, is expected to settle for the previous year's deductions so that his credit may be maintained at \$15.00.

The items above, together with a key deposit of \$5.00, are payable at King's Business Office.

TUITION FEES

Payment to be made to Dalhousie University Business Office. Fees must be paid in CANADIAN FUNDS at par in Halifax (add 1/8 of 1%, minimum 15 cents, on cheques outside of the Halifax area). Post-dated cheques cannot be accepted.

FOR FULL TIME STUDENTS (students registered for more than two classes), fees are payable on registration or in two instalments. The first instalment is \$350.00 including deposit. The second instalment, \$218.00, is due by January 14th. Any student whose fees are not paid in full by January 31st will be suspended from the university. A carrying charge of \$5.00 is added if fees are not completely paid on registration.

FOR PART TIME STUDENTS, registering for one or two classes only, the total fees due must be paid on registration.

SCHOLARSHIPS paid through King's College will normally be applied to charges at King's. If a student has a larger scholarship than his obligation to King's, the balance

may be paid by King's to Dalhousie University for tuition fees. The student should enquire at the King's Business Office to ascertain if the Dalhousie Business Office has been informed of the arrangement.

The Dalhousie Business Office does not issue bills for fees; the receipt issued at registration will show the balance, if any, which is outstanding.

DEPOSITS. Dalhousie University requires a deposit of \$25.00 upon acceptance of the student's application for entrance. King's College requires a deposit of \$50.00 for each student requesting residence. The **tuition fee deposit** is returnable if the application is withdrawn before **August 25th** and the **residence deposit** is returnable if the application for residence is withdrawn by **September 1st**.

LATE REGISTRATION

Students are required to register on the regular registration date as shown on page 4. Late registration requires approval of the Dean of the Faculty and extra fee of \$5.00 per day. No student is considered registered until a minimum payment of \$350.00 is made. A student registered for 1 or 2 classes is not considered registered until **full** fees are paid.

CHARGES

Full time students registered for more than 2 classes. (*Additional fee in graduating year only—Year Book \$5.00*).

FACULTY OF ARTS AND SCIENCE

King's Students \$563.00

The above charges include laboratory fees, examination and diploma fees, instrument rental charges, and hospital clinics where applicable, and the following incidental fees:

- | | |
|---|--------|
| a. Registration Fee | \$5.50 |
| b. Student Health Fee | 5.00 |
| c. Library Fee | 5.00 |
| d. Faculty Society Fees (Arts and Science) .. | .50 |

But does not include student council fee of \$30.00 payable to King's.

Part time students (These charges include incidental fees of registration and library only):

Students registering for 1 or 2 classes in all Faculties for University credit, per class \$110.00

Occasional students (This charge does not entitle students to any privileges other than attendance at class):

Students not candidates for University credit who wish to take one University lecture class because of their interest in it. No credit or official transcript will be issued to such a student \$50.00

EVENING CLASSES

For students wishing to enrol in a single Arts class, take the examination and obtain a certificate \$75.00

For students wishing to audit such a class without writing the examination or obtaining a certificate \$50.00

In all other cases regular tuition fees apply.

Payment of fees for evening classes is required on registration.

A printed folder describing courses offered in the evening programme is available upon request from Dalhousie Registrar's Office.

LIBRARY FEE

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

* A student enrolled at King's is required to pay the King's Council of Students' fee of \$30.00, but not the Dalhousie Council of Students' fee, or the Rink and Athletic Field fee. However, any King's student who wishes to participate in the Dalhousie Council of Students' activities must pay both of the above Dalhousie fees. Dalhousie students resident at King's College must pay King's College Council of Students' fee of \$25.50.

FACULTY OF THEOLOGY

Students taking the whole of the Divinity course will be charged each year \$250.00

Arts students in the affiliated course in Divinity (each) \$ 50.00

For Probationary Year in Divinity fees are as follows:

Religious Knowledge no charge

English Bible 1 or 2 \$ 50.00

Greek 100, Sociology 100, Philosophy 100 and either English 1 or History 100 (each).... \$110.00

EXAMINATIONS

An application for examinations must be accompanied by the proper fee:

Supplemental and Special (per examination) . \$15.00

At an outside centre (each—extra) 5.00

For re-examination of 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 July 15th, 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 July 31, the fee will be forfeited.

DIPLOMAS

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

Journalism Diploma \$10.00

L.Th., S.Th., A.K.C. 12.00

For examination of A.K.C.(N.S.) (not returnable) 15.00

B.S.Litt., B.S.T. 20.00

M.S.W. 20.00

B.D. 26.00

D.D. 42.00

Additional fee for any degree in absentia at the Spring Convocation 10.00

***CERTIFICATES

An application for a certificate must be accompanied by the proper fee:

Certificate of Standing: First transcript . no charge

Additional copies: each original \$1.00

Extra copies, each50

STUDENT PHOTOGRAPH

At time of first registration at King's each student will be required to supply three pictures (head and shoulders). These should be approximately one inch by one and one-half inches.

LABORATORY CHARGE

No laboratory deposit is charged. Individual students will be charged for careless or wilful damage.

REFUND OF FEES

Within two weeks of registration date a student may retire from a class or course for which he was 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 or his or her Faculty and a written report must be made by the student to the office of the Registrar at Dalhousie, stating date and reason of withdrawal. A student withdrawing from the University must report personally to the Dalhousie Business Manager before any refund of tuition fees will be considered.

King's College students must report AS WELL to the Registrar and Business Manager, King's College.

*** No certificates will be issued until all charges owing by the student to the University have been paid in full.

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. Full incidental fees for the session.
- b. One half of the tuition fee for the session if the withdrawal occurs before January 31.
- c. The full tuition fee for the session if the withdrawal occurs after January 31.

No reduction will be made in the tuition fees payable by a student repeating a class or course.

ENTRANCE REQUIREMENTS

In order to be admitted to a regular course leading to a degree or diploma in the **Faculty of Arts and Science** a student must have completed the Nova Scotia Grade XII (or the equivalent) with a pass (50%) and an average of not less than 60% in the following five subjects: (1) English, (2) Mathematics (Algebra and Trigonometry), (3) A language other than English (4), (5) two from Physics, Chemistry, Biology, Geology, Geography, History, Ancient and Modern Languages.* Certificates must be presented for appraisal before September 1. Possession of the minimum requirements does not automatically ensure admission.

In **exceptional** cases students not fulfilling the above requirements may be admitted with credit for complete matriculation.

CERTIFICATES OF MATRICULATION

Satisfactory marks in any of the subjects listed in the previous paragraph will be accepted as credit towards the entrance requirements if such marks are granted by any of the following bodies:

- (a) Certificates of the Common Examination Board of the Atlantic Provinces.

*It is recommended that students planning an Arts course include two foreign languages and those planning a Science course include Physics and Chemistry.

- (b) High School Provincial or "Accredited" School Certificates of Grade XII of Nova Scotia, issued by the Department of Education of the Province of Nova Scotia.
- (c) Equivalent Certificates issued by Education Departments of other Provinces.

Equivalent Certificates are the following:

- (1) Grade XII in the provinces of Manitoba, Saskatchewan and Alberta.
- (2) Grade XII or first year Memorial in Newfoundland.
- (3) Grade XII or McGill Senior Matriculation in Quebec.
- (4) Grade XIII in Ontario and British Columbia.
- (5) Grade XIII in New Brunswick. (In exceptional circumstances well qualified students from Grade XII may be considered for admission.)
- (d) Third Year Certificates issued by Prince of Wales College, Charlottetown, Prince Edward Island. (In exceptional circumstances well qualified students from Grade XII may be considered for admission)
- (e) Certificates of Matriculation Examinations taken at recognized Universities.
- (f) Certificates similar to the above issued by University or other official examining bodies, where found adequate.

TRANSFER STUDENTS FROM CANADIAN UNIVERSITIES

Students who have been admitted at the Junior Matriculation level to other universities in Canada may be accepted at Dalhousie and King's as meeting the matriculation requirements provided that they have completed successfully one complete year of university work, including one full year of Mathematics and one full year of English.

STUDENTS FROM ABROAD

General

Certificates will be evaluated in terms of the general entry requirements.

Students whose native language is not English must pass either the English proficiency examination of the Uni-

versity of Cambridge or the English language test of the University of Michigan.

Specific

U.S.A. First year university standing (minimum of 30 semester hours) from accredited institutions of higher learning; standing in Mathematics and English will be important considerations for admission. A United States high school graduation diploma alone will not admit a candidate to any course, but consideration may be given to exceptionally well-qualified students on the basis of high CEEB scores or advanced placement work.

U.K., West Indies, West Africa. G. C. E. with standing in at least 5 subjects, of which at least 2 must be passed at advanced level; or 4 subjects of which 3 must be passed at advanced level (Mathematics and English are imperative at least at ordinary level).

Hong Kong. G. C. E. as above or University of Hong Kong Matriculation Certificate on same basis as G.C.E.

India and Pakistan. Bachelor's degree with first or second class standing from an approved university, or first class standing in the Intermediate examinations in Arts and Science, provided the candidate has passed at the university in English, Mathematics and a language other than English.

Faculty of Arts and Science

The Academic Year begins September 19, 1966
and ends May 17, 1967

ADMISSION

The attention of students entering the Faculty of Arts and Science for the first time, is called to the fact that the registration for such students takes place on September 12th and 13th.

Entry to some classes is limited and late registrants may not be able to enter the class of their choice.

All students entering King's College in Arts, Science, Pre-Medicine, Pre-Dentistry, and Pre-Law 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 \$50.00 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**.

ADMISSION WITH ADVANCED STANDING

Students from recognized Junior Colleges who present satisfactory certificates may receive credit on admission for a maximum of five university classes, making it possible for them to complete the requirements for a General degree in two years. This recognition is regularly offered to Prince of Wales College in Charlottetown, P.E.I., to the Convent of the Sacred Heart in Halifax, and to the Nova Scotia Teachers' College in Truro.

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 essentially 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.

Place of Residence of Students

For the purpose of admission to the University the place of residence of a student is the place where he is domiciled. This is normally presumed to be the place (country, province, etc.) where the home of his parents or guardian is located. When a student registers at the University for the first time his place of residence is determined by the Registrar and

* 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.

entered in the records. The place then determined remains recorded as his place of residence throughout his attendance at the University unless he takes steps that satisfy the Registrar that he has established a place of residence elsewhere.

GENERAL FACULTY REGULATIONS

Admission to Classes

1. No Undergraduate shall be admitted to a class until he has satisfied the preliminary qualifications.
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, and may not be exceeded without written permission from the Committee on Studies. Such permission will not normally be granted to any student who is in his first year of study or to any student who, in the preceding academic year, has failed any class or had an average mark of less than 60%.

Full time students registered in the Faculty of Arts and Science, or in Graduate Studies, may be allowed with permission of the lecturer concerned, to audit such other courses and such portions of other courses as they desire.

4. Students who have registered for a course and whose names have been included in the instructor's list, are required to obtain his written consent before being allowed to drop the course. Registrar's Office must be notified re withdrawals not later than December 1st.

5. At the beginning of January the Committee on Studies will review the results obtained by each student. Any student who has not shown reasonable proficiency in the Christmas examinations may be required to withdraw from the university for the remainder of the session or to reduce the number of classes he is taking.

6. A student who fails to obtain a mark of at least 15% in a class at the Christmas examinations is required automatically to discontinue attendance in that class.

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 class involving field laboratory work, complete such work satisfactorily.

3. In determining pass lists both the standing attained in prescribed class exercises and in field laboratory work and that in the various examinations are taken into consideration. A candidate who fails to obtain a mark of at least 40 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. In order to be allowed to return the following year, students in their first year of University attendance are required to pass in the Spring Examination two classes for which they were registered in the Fall. 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 pass three-fifths of the

classes for which they are registered in that year). 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.

EXAMINATIONS

Credit for Non-Dalhousie Summer Classes

Students wishing to take, at a university other than Dalhousie, a summer-session class to be counted for credit towards a King's-Dalhousie degree must:

- (1) Obtain an application form from the office of the Registrar at Dalhousie University;
- (2) Obtain a summer session calendar from the university to which he hopes to go;
- (3) Make application to the head of the department concerned at Dalhousie University and submit to that department the calendar, indicating the class he wishes to take (alternatives should be indicated where possible).

When a decision has been reached, the department will pass the application to the Registrar's Office and the student will be notified directly by that office of the department's decision. If the decision is favourable, the receiving university will be so advised by the Registrar's Office.

The latest date on which application can be made is 15 March and students are advised to make the necessary arrangements earlier than this as many summer schools close their applications for admission early in April.

No student may take more than one summer school class for credit in any one year.

Similar regulations relate to correspondence classes and, at the present time, only the correspondence classes offered by Queen's University, Kingston, Ontario, may be considered.

EXAMINATIONS

Sessional and Class Examinations

In all classes, at least two examinations (or their equivalent) are held: the Christmas examinations (or their equivalent) 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 approximately 25 per cent of the questions will 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

1. A student who fails to secure a position on the Pass List in a class in which he has otherwise fulfilled the requirements in class work stated in pages 43 - 45 may be allowed the supplemental examination in that class provided that:

- (i) That he has obtained a mark of not less than 40% in the final examination in that class.
- (ii) He has obtained an average mark of not less than 50% in the examinations in the classes for which he was registered (see p. 43 para. 4).

2. Supplemental examinations for registered students are held only in August of the year in which the Spring examinations were written. They may not be deferred.

3. A student who fails to pass the supplemental examination can obtain credit for that class only by repeating it.

4. No more than one supplemental examination may be written by any student on the work of any one year.

5. The supplemental examination may, at the discretion of the department concerned, constitute the same proportion of the final mark as did the ordinary examination in the original class.

6. No student may write both a supplemental examination and an examination at the end of Summer session in the same class in the same year.

7. No supplemental examinations are allowed for classes taken at Summer session.

8. No more than three passes obtained as a result of supplemental examinations may be counted towards a degree.*

Special examinations may be granted to students in case of genuine illness, supported by a medical certificate, or in other unusual or exceptional circumstances. Medical certificates must be submitted at the time of the illness and will normally not be accepted after a lapse of one week from the date of the examination.

A student wishing to appear as a candidate at a Supplemental or Special examination shall be required to give notice of his intention to the Registrar's Office on or before July 15, the fee (see p. 36) to be remitted with the notice. Students wishing to write at outside centres must apply by July 10.

Minimum Standing for a General Degree

In order to qualify for the award of a General Degree, candidates must have obtained a minimum of ten points on the fifteen classes required. Points are awarded for each class as follows:

	Class Marks	Points
A	(80 - 100%)	3
B	(65 - 79%)	2
C	(56 - 64%)	1
D	(50 - 55%)	None

* Students registered and continuing under "old regulations" may count up to five such passes for credit (see p. 48)

Note that, while a pass is recorded for a D grade result, no points are given.

This regulation does not apply to students registered under "old regulations" in 1965 or earlier.

Minimum Standing for Honour Degree

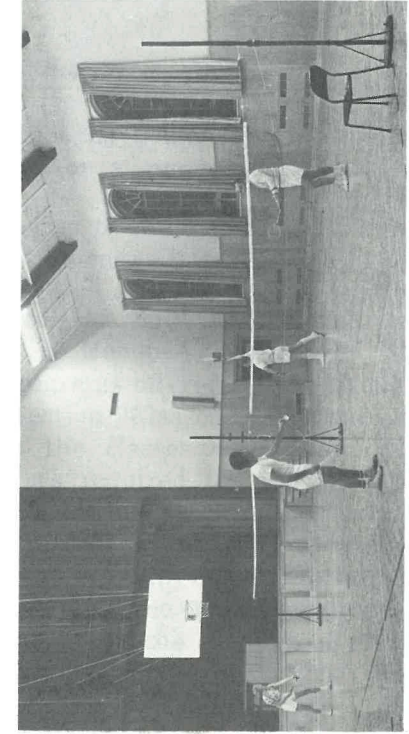
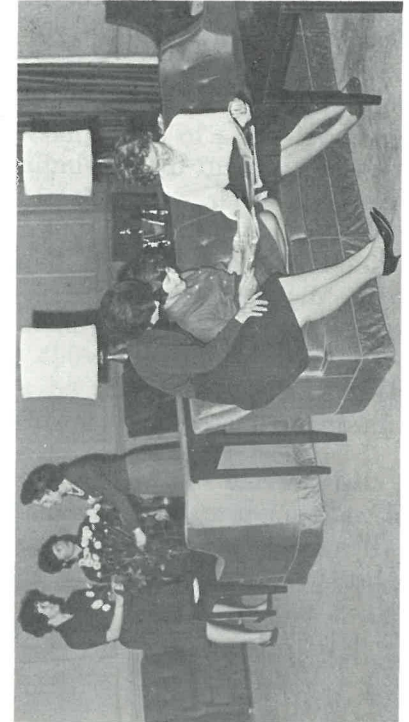
Students in Honour courses are expected to maintain an average of at least 60% in each year of study and, if they fail to do so, may be required by the Committee on Honours to transfer to a General Degree programme.

DEGREES AND COURSES

As from September, 1966, admission to the University is from Senior Matriculation only. Students registered at Dalhousie University in 1965 or in earlier years will continue under the degree and course regulations set out in the Calendar in the year of their registration, except that no student may continue under "old regulations" after August 1970. A student whose studies have been interrupted for more than one year will be required to seek readmission as if he were a new student or a transfer student and will be required to enrol under the regulations for the new degree and course programmes.

Students admitted in 1965-66 to their first year of university study under "old regulations" and who, through failure in the spring examinations, would under those regulations have been required to stay out for a year, will be permitted to continue their attendance in 1966-67, but will not be allowed to return thereafter unless by the fall of 1967 they have at least five university credits.

All students will be bound by the "General Faculty Regulations" set out in the current Calendar, except that students continuing their studies under "old regulations" will retain the privilege of being allowed to count up to five classes passed by supplemental examination for credit to-



The life of a college invariably centres around its buildings and its rooms and meeting places. The spiritual, social, academic and physical life at King's is designed to produce a greater development of the individuality and ability of each student.

wards their degree and will not be bound by the "points system" of minimum standing for a general degree.

Courses are prescribed leading to the degree of Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.).

The courses for the General B.A. and B.Sc. degrees extend over three years and for the Honours degrees over four years. The various Honours programs offered by the Faculty are described in detail in the section "Classes of Instruction" where each Department lists the classes offered and the sequence and pattern of courses required for the Honours degree. Students with high academic standing are urged to consider registering for an Honours course, and to consult with those Departments in which they might wish to engage in Honours studies. An Honours degree, or its equivalent, is normally required for admission to the Faculty of Graduate Studies.

Numbering of Classes

Classes are numbered in order to indicate their general level and to suggest the year of study in which they might first be taken. Classes in the series 100+ are introductory and can usually be taken by fully matriculated students without any special prerequisites. Completion of a 100-level class is normally a prerequisite for admission to further classes in the subject. Classes numbered in the 200+ series are second level ("second year") classes, 300+ third level and 400+ fourth level. Classes numbered in the 500+ and 600+ series are normally regarded as graduate classes; however, some may be open to senior undergraduates. Classes numbered in the 250+, 350+ and 450+ series are open **only** to Honours students and may not be taken by students in the General Degree programmes, except with special permission.

Classes with numbers below 100 do not carry credit in the new degree programmes but may be prerequisites for entry to credit classes for students whose matriculation backgrounds are deficient; some of these classes are credits

under the "old regulations" which apply to students registered in 1965 or earlier years.

A table showing the relationship between the new numbers and those given in the 1965-66 Calendar will be found at the end of the list of classes of instructions (pages 160 to 163).

Subject Grouping for Degree Courses

In the curriculum, subjects offered as essential parts of the degree programmes are grouped as follows:

A	B	C	D
French	Classics	Economics	Biology
German	English	Political Science	Chemistry
Greek	History	Psychology	Geology
Latin	Philosophy	Sociology	Mathematics
Russian			Physics
Spanish			

Specific regulations indicate the minimum number of classes which must be selected from each group.

Classes are offered also in other subjects, which may be taken as electives where no particular group is specified in the requirements. These subjects are:

Art History 101, 102, 103.
 Music 101, 102.
 Hebrew 101, 202, 303.
 Education 101, 102.
 Commerce 100.

Classes within the Groups may also be taken as electives, those in Groups A, B, and C being termed "Arts electives" and those in Group D "Science electives".

Requirements for the General Bachelor of Arts Degree*

The General Bachelor of Arts Degree requires fifteen classes.

1. First year requirements (common to General and Honours courses):

Every student planning to take a B.A. degree will in his first year take five classes as follows: one class in each of groups A, B, C and D, together with one class chosen from any group. (But, see 3(d) below).

2. Requirements for the second and third years.

The ten classes making up the course for the second and third years shall consist of:

- Six classes beyond the 100 level in two subjects, one of which must be declared by the student as his "major"¹ area of concentration and the other his "minor".
- Four classes, normally in subjects other than the two offered to satisfy requirements 2(a) above, at least one of the four to be beyond the 100 level in the subjects treated². The subjects may be selected from groups A, B, C and D above or from Art History, Music, Hebrew, Education 101 or 102, Commerce 100, in so far as the "Overall Requirements" permit.

3. Overall requirements.

The fifteen classes making up the overall course for the General B.A must include:

- One class in English, which must be taken in the first or second year of study.³ (See footnote page 51)

* For Honour Courses see "Classes of Instruction" where each Department gives the contents of its Honours programmes.

¹ The designation of a "major" is intended to bring students into closer contact with the departments concerned and with one another, and to assist departments in giving such students guidance in designing their programmes.

² Students who wish to offer under section 2(a) above a subject begun only in the second year may, by exception, offer the introductory class in that subject as one of the four classes required in section 2(b).

³ Students who have obtained a grade of 80% or better in Senior Matriculation English are offered the option of taking a special examination in which the grading will be of the same standard as for end-of-year performance in the basic university class in English. If the student obtains a grade of 65% or better in this examination, he may elect to substitute some other class for this basic class in English. The class substituted may be in any subject listed in groups A, B, C and D (including English), or in Art History, Music, Hebrew, Education 101 or 102, Commerce 100.

- (b) One class in group A above. Students making progress in a language begun for the first time at the University are strongly advised to take a second class in the same language in order to consolidate what they have learned.
- (c) At least one class from each of two subjects in Group B other than English, and at least one class from each of two subjects in group C.
- (d) If a science class was not passed in Senior Matriculation, one class from Physics, Chemistry, Geology or Biology must be included among the fifteen taken at the University. If a science class was passed as part of the Grade XII course, the group D requirement stated for the first year may be waived.

For details of classes in the various departments, see Classes of Instruction, page 57 et seq.

An Honour class may be taken by students who are not in an Honours course, if approved by the Department.

Lists of the classes chosen by students must be submitted to the Registrars' Offices at Dalhousie and King's for approval not later than Monday, September 25, 1966.

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

Requirements for the General Bachelor of Science Degree*

1. First year requirements (common to General and Honours courses):

Every student planning to take a B.Sc degree will in his first year take five classes as follows: two classes in group D, one class in group A and one class in either group

B or group C, together with one class chosen from any group.

2. Requirements for the second and third years:

The ten classes making up the course for the second and third years shall consist of:

- (a) Six classes beyond the 100 level in two subjects chosen from Biology, Chemistry, Geology, Mathematics, Physics, Psychology, Engineering.
- (b) Four classes normally in subjects other than the two offered to satisfy requirement 2(a) above, at least one of the four to be beyond the 100 level in the subject treated.⁴

The subjects may be chosen from groups A, B, C and D above; or from Art History, Music, Hebrew, Education 101 or 102, Commerce 100, in so far as the "Overall Requirements" permit.

3. Overall requirements.

"Any B.Sc. programme must include at least one class in Mathematics, one in English† and one in another language."

Honours Courses

Students of ability and ambition are urged to take a course leading to the Bachelor's degree with Honours. The course entails: (a) a concentration in selected studies; (b) a number of advanced courses; (c) a higher quality of work than that for the General Bachelor's degree. Although the regulations for the first year of study are the same for both General and Honours courses, it is desirable that the student

⁴ Students who wish to offer under section 2(a) above a subject begun only in the second year may, by exception, offer the introductory class in that subject as one of the four classes required in section 2(b).

* For Honours Courses see "Classes of Instruction" where each Department gives the contents of its Honours Programmes.

† See footnote 3 page 51.

should embark upon the particular programme best suited to the Honours course he wishes to follow. **Students considering an Honours course are advised to consult as soon as possible with the Departments in which they may wish to do their major work, preferably before their first registration.**

The following are general rules relating to Honours courses:

1. A student may obtain Honours in four years from Matriculation.
2. Honours students must be accepted by the department concerned. Their whole plan of study must be under the supervision of that department. Formal application for admission of a student by the Faculty to an Honour course must be made by the head of the department concerned to the Committee on Honours, in triplicate, on forms that are available in the Registrar's Office.
3. The various Honours Programmes are set out in the section of the Calendar headed "Classes of Instruction". It will be observed that in all cases the Honours Programmes satisfy the requirements for the General degree so that a student may transfer from the Honours to the General Programme without serious inconvenience.
4. Twenty classes are needed for the B.A., B.Sc., B.Comm. degree with Honours. A student must pass a comprehensive examination covering his Honours work at the end of his course and he must make an average of not less than 65% in the required classes of his major and minor field.
5. In order to obtain **First Class Honours** a student must pass the classes in his major and minor field (including any comprehensive examination) with an average of at least 80%.

"Major" Honours Programmes and "Combined" Honours Programmes

1. The regulations for the first year of study are the same as for the General B.A or General B.Sc. degree.
2. (a) Honours in a **Major Programme** are based on the general requirement that the 15 classes beyond the first year of study comprise:
 - (i) Nine classes beyond the 100 level in one subject;
 - (ii) Two classes in a minor subject satisfactory to the major department;
 - (iii) Four classes not in the major field.
 (b) Honours in a **Combined Programme** are based on the general requirement that 15 classes beyond the first year of study comprise:
 - (i) Eleven classes beyond the 100 level in two allied subjects, not more than seven classes being in either of them;
 - (ii) Four classes in subjects other than the two offered to satisfy requirement 2(b) (i) above.
3. The "Overall requirements" are the same as those for the General B.A. and General B.Sc. degrees respectively.

Details of specific Honours programmes will be found under departmental listings of Classes of Instruction on pages 57 to 159 in this Calendar. It may be noted that there are occasional minor departures in detail from the general regulations given above; these programmes have been given specific approval by the Faculty of Arts and Science.

Social Work

Students looking forward to professional training at the Maritime School of Social Work should include in their undergraduate curriculum a choice of classes from such field as sociology, psychology, political science, anthropology, biology, economics, history, and philosophy, with special emphasis on sociology, psychology and political science. It is in the students's interest that one-third to one-half of his undergraduate curriculum be made up of these classes.

Classes of Instruction

ART HISTORY

LecturerM. J. Kemp
Special Lecturer.....Donald C. Mackay

Classes Offered

101. Introduction to the History of Art.

An analysis of the styles of the main periods in the History of Western Art, and the relationship of these to the artistic, philosophical and scientific environments.

102. The Art of the Renaissance.

A study of European painting, sculpture and architecture through the major artistic personalities of the period.

103. The Art of the 19th and 20th Centuries.

A study of the development of painting, sculpture and architecture from Neoclassicism and Romanticism to the art of the present day.

BIOLOGY

ProfessorsK. E. von Maltzahn (Head of Dept.), A. C. Neish
Professor (Oceanography)G. A. Riley
Associate ProfessorsM. L. Cameron, O. P. Kamra,
 A. Ruthmann, L. C. Vining
Assistant ProfessorsJ. Farley, E. T. Garside, G. H. Geen
 M. J. Harvey, A. Jones, W. C. Kimmins,
 M. Ross, A. H. Wehrmaker
Assistant Professor (Oceanography)C. M. Boyd

The program outlined here differs from that offered in previous years. Prerequisite requirements apply only to students entering in 1966.

The program in Biology is designed to provide the student with a basic training in the biological sciences which may serve as a preparation for graduate and professional work in Biology, Medicine, Dentistry, Pharmacy, the Health Professions and Education. A student looking forward to Biology as his main study is asked to consult the Department early in his course so that a proper plan can be worked out.

Arts students with no Grade XII Sciences may satisfy their degree requirements by taking Biology 100.

Science students not having a recognized Grade XII Biology credit will take Biology 101. Science students having a recognized Grade XII Biology credit will be allowed to proceed in the first year to Biology 201 or 202. (They will not receive University credit for matriculation Biology, but will have the advantage of one year and one class over the non-matriculant).

The Department offers courses leading to the General degree in Arts and Science in Biology and the Honours degree in Science in Biology.

All students should remember that if they enter Graduate School they will be expected to have a reading knowledge in one or more of French, German and Russian.

Students reading for the General B.Sc. degree, majoring in Biology, should arrange their classes in consultation with the Head of the Department.

General B.A. in Biology

Students who plan to read for a Bachelor of Arts degree in Biology must obtain permission from the Department before registration, and satisfy the requirements of the General B.A. degree (p. 51), and should arrange their classes in the following pattern:

- YEAR I Biology 101, one other Introductory Science (preferably Chemistry 100) or Mathematics class, one foreign language, English or other Humanities, one Social Science.
- YEAR II Biology 201 and 202, English (if not taken in Year I), otherwise another class from the Humanities or Social Science group, one other Humanities class, one Social Science.
- YEAR III Two of Biology 301 - 305, or one of Biology 301 - 305 and one other Biology 300 class; one additional class in the minor Science or Mathematics, one additional class in Science or Mathematics, one class not in Science or Mathematics.

(Prospective pre-medical students are advised that many medical schools prefer that candidates obtain a sound background in basic science and arts subjects. In addition to the courses mentioned above, the following classes may be recommended: Biology 311, 323, 324, 325, 435 and 440).

Honours Degree in Biology

Students reading for a Bachelor of Science degree with Honours in Biology must satisfy the general requirements for Honours and arrange their course program as early as possible in consultation with the Head of the Department. The following course program is recommended (two of Biology 311-313 may be taken instead of Biology 202 or two of Biology 321 - 323 instead of Biology 201 but only with permission of Department).

Major Programme.

- YEAR I Biology 101, Chemistry 100, Mathematics 100 or Physics 100 or Geology 100, one foreign language, English 100.
- YEAR II Biology 201 and 202, Mathematics 100 (if not taken in Year I), otherwise one of Physics 100 or Geology 100, one other class in Science or Mathematics, a second class in the foreign language of Year I or a class in the Humanities or Social Sciences.
- YEAR III Three classes of the Biology 300 group, one class in Mathematics or Science beyond the 100 level, one class from Groups A, B or C.
- YEAR IV Four classes from the Biology 300 and 400 classes, of which two should be Biology 480 and Biology 490, one class in the minor field.

Honours students must pass a comprehensive examination at the conclusion of their period of study.

Combined Programmes.

Students interested in taking honours in Biology and another science as a combined program should consult the Head of the Department, through whom a suitable course of study can be arranged.

Classes Offered

100. Biology.

Lect.: 3 hrs.; Lab. 3 hrs.

This class is designed for Arts students who do not intend to take any other classes in Biology. Lectures are given in the Chemistry Theatre, Laboratory work in the Forrest Building.

101. Principles of General Biology.

Lect.: 3 hrs.; lab.: 3 hrs.

Class designed for Science students. A discussion of criteria of living

things in general and their analysis with emphasis on principles and topics of contemporary interest. Lectures are given in the Physics Theatre, Laboratory work in the Forrest Building.

201. Principles of Animal Biology.

Lect.: 3 hrs.; Lab. 3 hrs.

Comparative study of diversity of animal structure and function; their behavior as individuals and in populations; their evolution in the light of solutions to specific biological problems. Normally required for all students in their second year.

202. Principles of Plant Biology.

Lect.: 3 hrs.; Lab.: 3 hrs.

Comparative study of diversity of plant structure and function; plant evolution in the light of solutions to specific biological problems. An introduction to Micro-biology is included here. Normally required for all students in their second year.

301. Genetics.

M. D. Ross

Lect.: 2 hrs.; lab.: 3 hrs.

Introduction to the study of inheritance in animals and plants.

302. General Physiology and Chemical Biology.

W. C. Kimmins and A. Jones

Lect.: 3 hrs.; Lab.: 3 hrs.

Physio-chemical bases of function in organisms.

303. Cellular Biology.

A. Ruthmann

Lect.: 2 hrs.; lab.: 3 hrs.

Study of cells and cell systems with an introduction to microscopic techniques, including quantitative microscopy and electronmicroscopy as well as cyto- and histochemical techniques.

304. Developmental Biology.

A. H. Wehrmaker

Lect.: 2 hrs.; lab.: 3 hrs.

Patterns of animal and plant development, dealing with growth, differentiation and morphogenesis and their analysis.

305. General Ecology.

G. H. Geen and M. J. Harvey

Lect.: 2 hrs.; lab.: 3 hrs.

Relations of plants and animals to the physical and chemical features of environment. Study of populations.

311. Bacteriology, Virology and Mycology. (1967-68)

Lect.: 2 hrs.; lab.: 3 hrs.

Introduction to viruses, bacteria and fungi, with reference to their structure and function in relation to the environment.

312. Phycology and Bryology

K. E. von Maltzahn

Lect.: 2 hrs.; lab.: 3 hrs.

Structure, reproduction, development, distribution and evolution of algae and mosses, with emphasis on the former including methods of cultivation.

313. Vascular Plants. (1966-67)

M. J. Harvey

Lect.: 2 hrs.; lab.: 3 hrs.

Classification, experimental taxonomy and evolution of the higher plants.

314. Plant Physiology. (1966-67)

A. Jones

Lect.: 2 hrs.; lab.: 3 hrs.

A study of some of the physiological activities of plants and of their growth and development in relation to various environmental factors.

Prerequisite: Organic Chemistry and Biology 302; the latter may be taken concurrently.

315. Plant Morphogenesis. (1967-68)

K. E. von Maltzahn

Lect.: 2 hrs.; lab.: 3 hrs.

Descriptive and experimental analysis of plant organization.

Prerequisite: Biology 304.

321. Invertebrates I. (1966-67)

J. Farley, G. H. Geen,
C. Boyd

Lect.: 2 hrs.; lab.: 3 hrs.

This class includes field and laboratory studies of the seashore fauna and an introduction to zooplankton.

322. Invertebrates II (1967-68)

A. H. Wehrmaker

Lect.: 2 hrs.; lab.: 3 hrs.

Insect morphology, taxonomy, distribution and evolution of insects. Students planning to take this course must consult with the instructor in the previous spring to arrange for collections.

323. Vertebrates. (1966-67)

E. T. Garside

Lect.: 2 hrs.; lab.: 3 hrs.

Evolution and taxonomy of the vertebrata with emphasis on comparative and contrasting aspects of the gross anatomy of living groups.

324. Animal Physiology. (1967-68)

M. L. Cameron

Lect.: 2 hrs.; lab.: 3 hrs.

Prerequisite: Biology 302 which may be taken concurrently.

325. Animal Embryology.

A. H. Wehrmaker

Lect.: 2 hrs.; lab.: 3 hrs.

Prerequisites: one of Biology 321-323 and Biology 304 which may be taken concurrently.

326. Animal Behaviour. (1967-68)

Lect.: 2 hrs.; lab.: 3 hrs.

401. Mathematical Biology. (1967-68)

Lect.: 3 hrs.

402. History and Theoretical Foundations of Biology (1966-67)

Lect.: 3 hrs.

Special Classes

See Graduate Studies for description of classes and times of lectures and laboratories.

408/508. Biological Oceanography (1966-67) G. A. Riley
C. M. Boyd**412/512. Physiology of Marine Plants (1967-68)** J. S. Craigie**415/515. Biochemistry of Plants and Microorganisms (1967-68)** A. C. Neish, L. C. Vining**417/517. Practical Enzymology (1966-67)** A. C. Neish**419/519. Advanced Microbiology (1966-67)** L. C. Vining**421/521. Advanced Genetics and Radiation Biology (1966-67)** O. P. Kamra**435/535. Animal Parasitology (1967-68)** J. Farley**440/540. Human Physiology (1966-67)** C. B. Weld**447/547. Influence of Chemical Agents on Living Organisms (1966-67)** J. G. Aldous**480. Special Topics in Biology.**

A lecture and seminar course in advanced aspects of specialized subjects in Biology. With permission of Department only. Members of Staff.

490. Undergraduate Research for Honour Students.**590. M.Sc. Research.****690. Ph.D. Research.***Biological Journal Club.* Lectures and presentation of papers by members of staff and senior students. All Honour and Graduate students are required to attend.*Summer Classes.* Students who complete creditably any of the classes in the curriculum of the marine biological laboratory, Woods Hole, Massachusetts, may, on the recommendation of the Department of Biology, present them for credit toward a degree.**Graduate Studies**

Graduate studies leading to both the M.Sc. and Ph.D. degrees are offered by the Department. Graduate students may specialize in the following areas of Biology:

- (1) Genetics and Cytology
- (2) Cellular Physiology and Chemical Biology
- (3) Comparative Physiology and Behavior
- (4) Systematics and Evolution
- (5) Developmental Biology
- (6) Ecology

Candidates for graduate degrees must satisfy the general requirements of the Faculty of Graduate Studies. Interested students are referred to the appropriate part of the Dalhousie Calendar.

CHEMISTRY*Professors*.....W. J. Chute (Head of Dept.),
D. E. Ryan, W. R. Trost*Associate Professors*.....K. E. Hayes, O. Knop*Associate Professors (Oceanography)*.....P. J. Wangersky*Assistant Professors*.....G. A. Dauphinee, D. H. Davies,
T. P. Forrest, W. E. Jones,
K. T. Leffek, M. E. Peach

All students intending to undertake the programme for the Honours degree should consult with the Head of the Department.

Honours Degree — Major Programme

YEAR I Chemistry 100, Mathematics 100, Physics 110, English 100, One foreign language (French, German or Russian).

YEAR II Chemistry 210, 230 and 240, Mathematics 200 or 228, Elective I(a)

YEAR III Chemistry 320, 330 and 340; Mathematics 227 (or 200 or 228 if not taken in year II) Elective II(a)

YEAR IV Three classes from Chemistry 400, 410, 420, 430 and 440; Physics 230(b) Elective III(a)

- (a) It is recommended that of the electives:
- (i) One be a language other than English, (It may be an advanced class of the foreign language taken in Year I or an introductory class in a different language).
 - (ii) One be a science class which is not already listed as part of the major programme above, (e.g. Biology, Physics or Mathematics).
- (b) Physics 230 may be taken in Year II or III if one of the electives is to be a Physics class in advance of Physics 230. The elective physics would then be taken in Year IV.

It is recommended that all students intending to study Chemistry should attempt to obtain Senior Matriculation standing in the subject.

Classes Offered

100. **General Chemistry** G. A. Dauphinee, D. H. Davies,
K. T. Leffek, M. E. Peach

Lect.: 3 hrs.; Lab.: 3 hrs.

Introduction study of atomic structure, bonding, gases, liquids, solids, solutions, acid-base theory, oxidation-reduction, chemical equilibrium, and reaction kinetics. There will be four sections as follows:

101. **(General Chemistry)** G. A. Dauphinee

This section includes science students.

Texts: Bailar, Moeller and Kleinberg, "University Chemistry; Schaum's Outline Series. "Theory and Problems of College Chemistry".

Lab.: M. T. W. Th. or F.

102. **(General Chemistry)** D. H. Davies

This section includes Engineering students.

Texts: To be announced.

Lab.: T. W. or Th.

103. **(General Chemistry)** K. T. Leffek

This section includes Arts, Commerce, and Pre-Law students.

Texts: To be announced.

Lab.: M. or S.

104. **(General Chemistry)** M. E. Peach

This section includes Pre-dentistry, Pre-Medical Nursing, Pharmacy, and Dental Hygiene students.

Texts: To be announced.

Lab.: T. W. or Th.

210. **Inorganic Chemistry** To be announced

Lect.: 2 hrs.; lab.: 3 hrs. M. or F.

The principles of chemical behaviour and their application in the laboratory to testing, analysis and synthesis of inorganic compounds.

Prerequisite: Chemistry 100.

Texts: To be announced.

230. **Physical Chemistry I** W. E. Jones

Lect.: 2 hrs.; lab.: 3 hrs. M. T. W. or Th.

Fundamental study of thermodynamics, thermochemistry, electro chemistry, reaction kinetics, equilibrium, colloids, modern theories of atomic and molecular structure.

Prerequisite: Chemistry 100, Mathematics 100.

Texts: To be announced.

240. **Introductory Organic** W. J. Chute, T. P. Forrest

Lect.: 2 hrs.; lab.: 3 hrs.

Nomenclature, classification, preparation and reactions of organic compounds, introduction to stereochemistry and organic reaction mechanisms.

Prerequisite: Chemistry 100.

There will be two sections as follows:

241. **(Introductory Organic)** W. J. Chute

This section includes students in pre-professional courses.

Texts: Brewster and McEwan, "Organic Chemistry". Others to be announced.

Lab.: W. F. or S.

242. **(Introductory Organic)** T. P. Forrest

This section includes Science students.

Text: Roberts and Caserio "Basic Principles of Organic Chemistry".

Lab.: T. or F.

320. **Analytical** D. E. Ryan

Lect.: 2 hrs.; lab.: 6 hrs. First term; T. and Th.
3 hrs. Second term; T. or Th.

Quantative and Instrumental Analysis.

Prerequisite: Chemistry 210.

Text: Skoog and West, "Fundamentals of Analytical Chemistry".

330. Physical Chemistry II

K. E. Hayes

Lect.: 2 hrs.; lab.: 3 hrs.

A study of advanced physical chemistry, primarily from a thermodynamic viewpoint. Includes an introduction to statistical thermodynamics.

Prerequisite: Chemistry 230, Mathematics 100 and 200 or 228.

Texts: To be announced.

340. Intermediate Organic

W. J. Chute

Lect.: 2 hrs.; lab.: 3 hrs., M. or S.

Identification of organic compounds and introduction to I. R. analysis. General Organic Chemistry with emphasis on heterocyclics, polynuclear hydrocarbons, alkaloids, dyes, terpenes, etc.

Prerequisite: Chemistry 242.

Text: Roberts and Caserio, "Basic Principals of Organic Chemistry", Shriner, Fuson, and Curtin, "Identification of Organic Compounds".

400. Quantum Chemistry

W. R. Trost

Lect.: 2 hrs.

Application of modern quantum mechanics to organic and inorganic chemistry including metallic and alloy systems.

Prerequisite: Chemistry 230.

Texts: To be announced.

410. Advanced Organic

O. Knop

Lect.: 2 hrs.; lab.: 3 hrs.

A study of phase equilibrium theory and structural inorganic chemistry.

Prerequisite: Chemistry 320 and 330.

Texts: To be announced.

420. Instruments in Chemistry

Instrumental measurements and their application to chemical Problems.

Prerequisite: Chemistry 320.

Texts: To be announced.

430. Physical Chemistry III

D. H. Davies,

K. E. Hayes, W. E. Jones

Lect.: 2 hrs.; lab.: 3 hrs.

A study of advanced physical chemistry from a kinetic viewpoint. In-

roduction to Absolute Reaction Rate Theory. Discussion of modern topics of physical chemistry with special emphasis on current research projects in the department.

Prerequisite: Chemistry 330.

Texts: To be announced.

440. Advanced Organic

W. J. Chute, T. P. Forrest,
K. T. Leffek

Lect.: 2 hrs.; lab.: 3 hrs. Th.

Discussion of applied physical methods reaction mechanismsm, molecular rearrangements, stereochemistry, conformational analysis, and synthetic organic chemistry.

Prerequisite: Chemistry 340.

Texts: To be announced.

BIOCHEMISTRY

The class Biochemistry 2 may be offered as an undergraduate elective. Students who intend to specialize in Biochemistry are invited to consult the Department for advice on the preparation of adequate background for its study.

Graduate Studies

The Department offers graduate classes leading to the degrees of M.A. and Ph.D. Details relating to admission, scholarships and fellowships, requirements for the degree, classes of instruction, etc., can be found under Faculty of Graduate Studies.

CLASSICS

Professor..... J. A. Doull, (Head of Department)

Associate Professors..... B. W. Dombrowski, M. A. Usmiani

Assistant Professors..... J. P. Atherton, R. D. Crouse

Lecturer..... R. Friedrich

The Department of Classics studies the ancient world and the formation of the Christian-European tradition. On the basis of a sound knowledge of the classical languages, the Department introduces students to the history, literature and philosophy of classical antiquity. The history of the ancient Near East (including Biblical history) is also taught. Students interested therein may sometimes offer an Oriental language, with Greek, in place of Latin. The continuation of Greek philosophy in Christian times, its relation to theology and to later philosophy, are a special interest of the Department.

Of classes offered by the Department, Classics 100, 102 (History 102) and 235 (Philosophy 235) should be of special interest to students in the General Course.

Requirements for Honours Degree

Major Programs

1. Honours in Classics

- YEAR I
1. Greek 100 or Latin 100*
 2. Classical Literature 100
 3. One from History 100 or 102 (Classics 102), Philosophy 100, English 100
 4. A Social Science class (Group C)
 5. A class in Mathematics or a Natural Science; or, if not required, *either* the remaining of Greek 100, and Latin 100*, *or* a second class from those listed under 3.
- YEAR II
6. Greek 100 *or*, if already taken, Greek 200
 7. Latin 100 *or*, if already taken, Latin 200
 8. English 100 *or*, if already taken, a remaining class from History 100 or 102, or Philosophy 100
 9. A second Social Science class
 10. History 100 *or* 102 *or* Philosophy 100 *or*, if both have been taken under 3, 5 and 8, Latin 200 or Greek 200 (if the 100 class has been taken in Year I) *or* a Classics 200 (Ancient History) class and Philosophy 235 (Classics 235)
- YEAR III
11. Greek 200 or 300
 12. Latin 200 or 300
 13. A Classics 200 (Ancient History) class *or* Philosophy 235 (Classics 235)
 14. The remaining of the history classes above and Philosophy 235 *or* Greek 300 *or* Latin 300
 15. Greek 300 *or* Latin 300 *or* elective.
- YEAR IV
16. Greek 300 *or* Greek 301 or 302
 17. Latin 300 *or* Latin 301
 18. Greek 301 *or* 302 *or*, if taken, elective
 19. Latin 301 *or* 302 *or*, if taken, elective
 20. One of a further Greek or Latin class, an Ancient History class *or* Philosophy 240 (Classics 240)

2. Honours in Classics (Ancient Philosophy)

*This course may still be completed within four years if neither Greek nor Latin has been taken in the first year.

- YEAR I
1. Greek 100 or Latin 100*
 2. Classical Literature 100
 3. Philosophy 100
 4. A Social Science class
 5. A class in Mathematics or a Natural Science *or*, if not required, History 100 or 102 or English 100
- YEAR II
6. Greek 100, *or*, if already taken, Greek 200
 7. Philosophy 235 (Greek Philosophy - Classics 235)
 8. History 100 *or* 102 or English 100
 9. Latin 100 *or*, if already taken, Latin 201
 10. A second Social Science class
- YEAR III
11. The remaining of Greek 200 and Latin 201
 12. Philosophy 240 (Medieval Philosophy - Classics 240)
 13. A class in Modern Philosophy
 14. Classics 221 or 222 or 223 (Ancient History) or History 200 (Medieval History)
 15. Greek 300 or 301, if Greek 200 was taken in Year II; otherwise, optional
- YEAR IV
16. Greek 300 or 301
 17. Greek 300 or 301 *or*, if both have already been included, elective.
 18. Classics 452 (Philosophy Seminar)
 19. A class in modern Philosophy
 20. A further class in ancient or medieval history
3. Honours in Classics (Ancient History)
- YEAR I
1. Latin 100 *or* Greek 100*
 2. History 100
 3. Either Classical Literature 100 or History 102 (Classics 102)
 4. A Social Science class
 5. Mathematics *or* a Natural Science class *or*, if not required, Philosophy 100 or English 100

* A student who does take Latin (or Greek) 100 in his first year but some other foreign language may take the class in his second year. In that case a Latin (or Greek) class beyond Latin 200 will take the place of one Ancient History class and Medieval History (History 200) will be counted as an Honours class for such a student.

- YEAR II 6. Classics (Ancient History) 221 or 222 or 223 (as offered)
 7. Classics (Ancient History) 251 or 252 or 253 (as offered)
 8. Latin 200 or Greek 200
 9. English 100 or, if taken, Philosophy 100
 10. A second Social Science class
- YEAR III 11. Classics (Ancient History) 222 or 221 or 223 (as offered)
 12. Classics (Ancient History) 252 or 251 or 253 (as offered)
 13. Latin 202 or Greek 301
 14. Philosophy 100 or, if taken, Philosophy 235 or 240 (Classics 235 or 240)
 15. History 200
- YEAR IV 16. Classics (Ancient History) 223 or 221 or 222 (as offered)
 17. Classics (Ancient History) 253 or 251 or 252 (as offered)
 18. Latin 301 or Greek 300
 19. History 205 or Philosophy 235 or 240 (Classics 235 or 240)
 20. Greek 100 or Latin 100 or an elementary class in another ancient language**

4. French-Latin Combined Honours

See under Romance Languages

5. German-Greek Combined Honours

See under German

Classes Offered

Classical Languages

Greek

100. Introductory Greek

R. Friedrich

Lect.: 4 hrs.

Texts: Hillard and Botting, *Greek Primer*; Nairn and Nairn, *Greek Through Reading*.

**The second ancient language may be taken in the second or third year if convenient.

200. Intermediate Greek

J. P. Atherton

Lect.: 3 hrs.

Texts: Plato, Apology and Crito; Homer, Iliad, VI. Grammar and Composition. Prerequisite: Greek 100.

300. Greek Poetry (1966-67)

R. Friedrich

Lect.: 2 hrs.

Either some poet or some period in the history of Greek poetry will be studied. Prerequisite: Greek 200.

301. Greek Historians (1967-68)

Lect.: 2 hrs.

Parts of Herodotus and Thucydides will be studied. Prerequisite: Greek 200.

302. Greek Philosophers (1966-67)

R. Friedrich

Lect.: 2 hrs.

Selections from the texts of Plato and Aristotle will be studied. Prerequisite: Greek 200.

Latin

099. Introductory Latin

Lect.: 3 hrs.

For students who wish to begin the study of Latin in the University, special (non-credit) classes will be provided upon request.

100. Latin Language and Literature

M. Usmiani

Lect.: 3 hrs.

Cicero's *De Senectute*, selections from Catullus and from Horace's *Odes* will be read. Grammar and Composition. Prerequisite: Senior Matriculation Latin or Latin 099.

200. The Latin Poets

M. Usmiani

Lect.: 2 hrs.

Selections from Lucretius, Propertius, Ovid and others will be read. Prerequisite: Latin 100.

201. Latin Philosophical Texts (1967-68)

J. A. Doull

Lect.: 2 hrs.

Selections from Latin Patristic and Medieval philosophers will be read. Prerequisite: Latin 100.

202. Roman Historians (1966-67) B. W. Dombrowski
Lect.: 2 hrs.

A Study of Roman Historical Texts (Writers, Inscriptions and other Documents). Prerequisite: Latin 100.

300. The History of Roman Satire (1966-67) M. Usmiani
Lect.: 2 hrs.

Selections from Horace, Juvenal and others will be read. Prerequisite: Latin 200.

301. A Study of Vergil (1967-68)

Lect.: 2 hrs.

Eclogues, Georgics and Aeneid. Prerequisite: Latin 200.

Literature, History and Philosophy

NOTE: The History and Philosophy classes listed below may be given credit as Classics classes, or as History or Philosophy classes, respectively.

Classics 100. Classical Literature in Translation

R. Friedrich, J. P. Atherton, R. D. Crouse

Lect.: 3 hrs.

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

Classics 102. (History 102) Introduction to Ancient History

B. W. Dombrowski, J. P. Atherton

Lect.: 3 hrs.

A course of lectures on selected topics designed to introduce students to the study of Ancient Civilization.

***Classics 221. History of the Ancient Near East (1968-69)**

B. W. Dombrowski

Lect.: 3 hrs.

An analysis of significant periods of the political and cultural history of the Near East from prehistorical times to the beginning of the Christian era. Prerequisite: History 100 or 102 or Classical Literature in Translation.

***Classics 251. Seminar on Problems of Ancient Near Eastern History (1968-69)**

B. W. Dombrowski

Seminar: 2 hrs.

Simultaneous to, though not depending on Course 221. Primarily for honours and graduate students. Others may be admitted at the discretion of the instructor. Prerequisite: History 102.



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.

***Classics 222. Greek History (1967-68)** J. P. Atherton
B. W. Dombrowski

Lect.: 3 hrs.

A study of main features of the history of the Greek World and of Hellenism. Prerequisite: History 100 or 102.

***Classics 252. Seminar on Problems of the Hellenistic Period (1967-68)** B. W. Dombrowski

Seminar: 2 hrs.

Characteristics of the Hellenistic Period will be studied in detail as warranted. Honours, graduate, and theology students only.

Prerequisite: History 102.

***Classics 223. Roman History (1966-67)** B. W. Dombrowski
J. P. Atherton

Lect.: 3 hrs.

A survey of the origin and development of Roman political organization and culture with emphasis on special aspects as may be determined from time to time. Prerequisite: History 100 or 102.

***Classics 253. Seminar on the Rise of Christianity and the Roman Empire (1966-67)** J. P. Atherton

Seminar: 2 hrs.

Selected topics from the transition from Classical to Christian culture will be studied. Particular attention will be paid to the connection between religious innovation and change in political and social life and the effect of the new beliefs on literature, art and philosophy. (Primarily for honours and graduate students. Others may be admitted at the discretion of the instructor). Prerequisite: History 102.

Classics 235. (Philosophy 235) Ancient Philosophy
R. H. Vingoe, R. D. Crouse

Lect.: 2 hrs.

A study of the history of philosophy from Thales to Plato (first term) and from Aristotle to St. Augustine. Prerequisite: Philosophy 100.

***To be taken any time in the course of studies after completion of prerequisites History 100 or 102 or Classical Literature in Translation.**

Classics 240 (Philosophy 240) History of Medieval Philosophy
R. D. Crouse

Lect.: 2 hrs.

A study of the history of Philosophy from the fifth century to the fifteenth, with special attention to Anselm, Thomas Aquinas and William Occam. Prerequisite: Philosophy 100.

Classics 452/552. Philosophy Seminar R. D. Crouse

Seminar: 2 hrs.

The subject for 1966-67 will be Aristotle's *De Anima*, with the Commentaries of Averroes; Aquinas and others. Prerequisite: Philosophy 235, 240 and a reading knowledge of Greek or Latin.

Graduate Studies

The Department offers an M.A. program in Classical Literature, in Ancient History and in Ancient and Medieval Philosophy. For details see under Graduate Studies.

ECONOMICS AND SOCIOLOGY

The Department offers undergraduate and graduate programmes in Economics, Sociology and Social Anthropology.

ECONOMICS

Professors..... J. F. Graham (Head of Dept.), N. H. Morse
Associate Professor..... A. M. Sinclair
Visiting Associate Professor..... C. Y. Chao
Assistant Professors..... R. L. Comeau, P. B. Huber, C. M. Ouellette

Members of other departments offering courses in Economics:

Professors..... R. S. Cumming, R. E. George (Commerce),
D. Braybrooke (Philosophy & Political Science)
Special Lecturer..... K. S. Wood (Institute of Public Affairs)

Students should consult the timetable and the Department at the time of registration for changes in or additions to the courses listed here.

Recommended Programme for Students Majoring in Economics for the General B.A. Degree

YEAR I Economics 100
Political Science 100 or Sociology 101
History 100 or Philosophy 100
Mathematics 100
Modern Language

YEAR II Economics 200
Economics 202
Economics 201 (Intermediate Economic Analysis)
English 100
Sociology 101 or Political Science 100, whichever not taken in first year, or a higher level course in whichever subject was offered in the first year

YEAR III Two courses in Economics
History 100 or Philosophy 100, whichever not taken in first year
Two courses in a minor field, ordinarily selected from fields related to Economics, such as Sociology, Social Anthropology, Political Science, History, Philosophy, or Mathematics

Notes on General Programme

1. Students considering majoring in Economics are encouraged to consult the Department about their programme.
2. Although students may offer fewer courses in Economics than the six suggested, this number is necessary to give them a basic knowledge of the discipline and should be regarded as the minimum for preparation for a graduate programme in Economics.
3. The course in Intermediate Economic Theory is considered essential for a student majoring in Economics.

Major Programme for Honours in Economics and Combined Programme with Major Concentration in Economics

	YEAR ONE	YEAR TWO	YEARS THREE & FOUR
Courses common to, and required of, all honours students with major concentration in Economics	Econ. 100 Math. 100 Mod. Lang. at 100 level	Econ. 200 Econ. 202 English 100	
OPTIONS Major Programme in Economics	Hist. 100 or Phil. 100 Soc. Anth. 100 or Pol. Sc. 100	Econ. 302 (or other Ec. Hist.) Soc. Anth. 100 or Pol. Sc. 100 or higher level course in whichever of Soc. or Pol. Sc. was taken in year one	Hist. 100 or Phil. 100, whichever was not taken in year one 6 Econ. courses including 300, 303, either 301 or 307, and at least one of 304, 305, or 430 2 courses in minor field 1 elective
Combined Programme in Economics with Sociology	Hist. 100 or Phil. 100 Soc. Anth. 100	Soc. 202 Either Soc. 203, or Soc. 204 or Soc. 205	Hist. 100 or Phil. 100, whichever was not taken in year one 4 Econ. courses including 201 and 304 Soc. 305, Soc. 303 and Soc. 403, 2 electives
Combined Programme in Economics with Political Science	Hist. 100 or Phil. 100	2 Pol. Sc. courses including at least 1 of Pol. Sc. 205, 240, 242, or 244	Hist. 100 or Phil. 100, whichever was not taken in year one 4 Econ. courses including 201 2 Pol. Sc. courses including 300 1 additional course in Econ. or Pol. Sc., 2 electives
Combined Programme in Economics with Philosophy	Phil. 100 Pol. Sc. 100 or Soc. Anth. 100	Phil. 200 and 210	Hist. 100 4 Econ. courses including 201 2 Phil. courses including 1 of 205, 230, 320 1 additional course in Econ. or Phil., 2 electives
Combined Programme in Economics with History	Hist. 100 Pol. Sc. 100 or Soc. Anth. 100	2 Hist. courses including Hist. 220	Phil. 100 4 Econ. courses including 201 and 306 Econ. 302 - Hist. 322 2 Hist. courses, 2 electives
Combined Programme in Economics with Mathematics	Hist. 100 or Phil. 100 Pol. Sc. 100 or Soc. Anth. 100 or Psych. 100	2 Math. courses including Math. 200	Hist. 100 or Phil. 100 whichever was not taken in year one 4 Econ. courses including 201 and 501 2 Math. courses 1 additional Math. or Econ. course 2 electives
Combined Programme in Economics with Psychology	Hist. 100 or Phil. 100 Psych. 100	Psych. 200 and 201	Hist. 100 or Phil. 100 whichever was not taken in year one 4 Econ. courses including 201 2 Psych. courses 1 additional Econ. or Psych. course, 2 electives

NOTES ON HONOURS PROGRAMME

- The student's programme will be chosen in consultation with the Department and must have the approval of the Department.
- Honours students must pass a comprehensive examination at the end of their fourth year.
- Students in the Major Programme will normally be required to take at least three courses in a minor field related to Economics (Sociology, Social Anthropology, Political Science, History, Philosophy, or Mathematics). In any case, of the courses selected outside of Economics in the third and fourth year, students must include at least two courses above the elementary level.
- Departures may be made from the order of courses with departmental approval.
- In some instances, the Department may permit students to take courses in other subjects in lieu of courses in Economics and may permit minor variations in the required courses) e.g., if a student in a Combined Programme takes Economics 300 and 301, he need not take Economics 201).
- The Department may require the student to prepare an Honours essay under its supervision.
- Students may be required to attend Honours seminars in their third and fourth years.
- Combined programmes with other departments may be arranged with a similar pattern to the ones above.
- For combined programmes with Economics where the major concentration is in the other discipline, consult the other departments concerned.

Classes Offered

100. Principles of Economics

J. F. Graham,
C. M. Ouellette, R. L. Comeau, P. B. Huber

Lect.: 3hrs. More than one section.

The aim of this course is to acquaint the student with the main elements of economic theory, which explains how the scarce resources of a society are utilized to satisfy the wants of its members. The subject is treated as one important aspect of the over-all problem of understanding society, i.e., is considered in relation to the other social sciences and in a historical and contemporary social context. The major sections of the course are: an introduction to the nature of economics; basic concepts and definitions; the law of diminishing returns and its implications; theory of value (demand, supply price, types of competition, theory of the firm, imperfections in the market system); distribution; national income and employment; money, banking and credit; international trade and finance; comparative economic systems.

200. Money, Banking and International Trade A. M. Sinclair

Lect.: 3 hrs.

The determination of income and the rate of interest, with emphasis on the significance of money; the role of commercial banks, financial intermediaries and central banks; monetary policy and the stability of employment and prices; the pure theory of international trade; international trade policy: tariffs, exchange rates and the balance of payments; international monetary and trade institution.

Prerequisite: Economics 100.

201. Intermediate Economic Analysis

Lect.: 3 hrs.

Micro- and macro-economic analysis. Prerequisite: Economics 100.

202. Economic Statistics (same as Commerce 304)

R. E. George

Lect.: 3 hrs.; lab.: 2 hrs.

Functions of statistical methods; collection, analysis, and presentation of statistical information; measures of central tendency, dispersion, skewness, and kurtosis; analysis of time series; index numbers; two-variable correlation; curve-fitting and chi-square test; probability; sources of Canadian statistical information.

Prerequisites: Economics 100 and Mathematics 100.

300. Economic Analysis I (micro-economic theory)

C. Y. Chao

Lect.: 2 hrs.

Demand, supply, and market price under pure competition; price elasticity of demand; the theory of utility, indifference curve analysis; production and consumption; costs of production; pricing and output under pure competition; pricing and output under pure monopoly; pricing and output under oligopoly; pricing and output under monopolistic competition; three-variable analysis of a firm; indifference curves and the theory of optimum choice; general equilibrium.

Prerequisite: Economics 100.

301. Economic Analysis II (macro-economic theory)

N. H. Morse

Lect.: 2 hrs.

A review of classical and Keynesian macro-economics; statistics and dynamics with some emphasis on money in a theory of finance.

Prerequisite: Economics 100.

302. Canadian Economic History

N. H. Morse

Lect.: 3 hrs.

A study of the economic development of Canada from the age of discovery to the present. Prerequisite: Economics 100.

303. History of Economic Thought

N. H. Morse

Lect.: 3 hrs.

A survey of certain main streams of doctrine and analysis since Mercantilist times including classical and neo-classical writers, Marx and other socialists, the Austrians and the German Historical School, Institutionalists, and reviews of the works of selected writers in this century such as Veblen, Schumpeter, Keynes, and Galbraith.

Prerequisite: Economics 100.

304. Comparative Economic Systems

P. B. Huber

Lect.: 3 hrs.

This course is concerned with ascertaining, comparing, and interpreting the central characteristics of actual economies. In order to do this, a major portion of the first term will be devoted to consideration of the economic tasks which all societies must solve, and the social, political, and economic processes through which these solutions are organized and institutionalized. This theoretical background will serve to provide a framework for examining the operation of a number of economies. The Soviet Union, France, the United States, Yugoslavia, and India will be examined along with five or ten other countries. The choice of these latter will depend, in part, on class interest. One long paper and at least one short paper will be required in addition to hour tests and the final examination. Prerequisite: Economics 100.

305. Labour Economics

R. L. Comeau

Lect.: 3 hrs.

The economics of the labour market with an examination of the theoretical basis of the demand and supply of labour, and particular application of the analysis for the Canadian market. The theory and practice of collective bargaining and an examination of the historical and legal foundations of labour relations in Canada.
Prerequisite: Economics 100.

306. Economic Development of Western Civilization (same as Commerce 303)

R. S. Cumming

Lect.: 3 hrs.

The historical growth of the economy of Western culture and the inter-relationship of European and North American Economic history. The development of economic institutions and ideas, including modern views on such movements as imperialism, mercantilism, the industrial revolution, and the great depression.
Prerequisite: Economics 100.

307. Theory of the Business Cycle (same as Commerce 453)

R. E. George

Lect.: 2 hrs.

National income and expenditure; description, history, and measurement of business cycles; theories of the business cycle; control, domestic and international, of business fluctuations.

Prerequisite: Economics 100 and 200.

308. Theory and Problems of Economic Development

C. M. Ouelette

Lect.: 3 hrs.

Nature of economic development; what is an "underdeveloped economy?" Standard analysis of the development process and of obstacles to development: English classical economists, Marxian economists, Schumpeter, contemporary writers. Lessons from the original Industrial Revolution and subsequent developmental revolutions. Issues in developmental policy. Planning and programming for development.
Prerequisite: Economics 100.

400. Public Finance

J. F. Graham

Lect.: 2 hrs.

This course is concerned with the allocation of resources between the public and private sectors of an economy and within the public sector, i.e., with the theory of the production of public as opposed to private goods. The main sections are fiscal policy (the influencing of the level of income and employment of a country by adjustments in taxation

and public expenditure), the theory of public expenditure, the theory of public revenue (principally taxation), the theory of public borrowing, and inter-governmental fiscal relations.
Prerequisite: Economics 100.

401. International Trade: Theory and Policy P. B. Huber

Lect.: 2 hrs.

This course considers the causes of international exchange of goods and services, and analyzes the effects of participation in the international economy on the income, growth, and monetary arrangements of countries. The theory and practice of commercial policy and other restrictions on trade are considered after the "pure" theory of international trade and its implications have been explored. In the second term international monetary analysis is taken up and causes and remedies of external imbalance of national economies are considered. Depending on class interest, some of the following topics may be treated in detail: issues of international development finance, theory and practice of customs unions, reorganizing the international monetary system, the Prebisch theory of trade and development. Two or more medium-length papers will be required in addition to the mid-year and year-end tests.
Prerequisite: Economics 200. Others may be admitted by special permission of the instructor.

402. Economics of Socialism

Lect.: 3 hrs.

Prerequisite: Economics 100.

403. Regional Economic Development

K. S. Wood

Lect.: 2 hrs.

A course for advanced undergraduate students. Lectures during the fall and winter terms will include the following general topics: an introduction to the spatial problem in economics and to regional economics, spatial organization of the economy, location theory, regional economic development theory, techniques of regional analysis, and national policies for regional development. This course attempts to impart an understanding of the theoretical background for regional economic development, to develop student ability to use techniques of economic analysis as applied to regional problems, and to provide a number of case studies from European, North American and Atlantic Province experience.

Prerequisite: Economics 200.

404. Production Economics

C. Y. Chao

Lect.: 2 hrs.

Production principles applied to use of land, labor, and capital; resource and product combinations under static and dynamic condi-

tions; returns to scale; time, factor rewards, and resource valuations; risk and uncertainty in production; adjustment of production and resource use to uncertainty; efficient criteria; interindustry productivity comparisons; resource mobility; returns to firm and society; cases of and means for eliminating production inefficiency.

Prerequisite: Economics 100.

405. Economic History of Great Britain and the British Empire Overseas (same as Commerce 456) R. S. Cumming

Tutorial class. Admission is by permission of the instructor and is restricted to advanced students.

406. The Regional Economy of North and South America (same as Commerce 455) R. S. Cumming

Time to be arranged.

Tutorial class. Admission is by permission of the instructor and is restricted to advanced students.

407. Philosophy, Politics, and Economics (same as Philosophy 340 and Political Science 349) D. Braybrooke

Lect.: 2 hrs.

Seminar. Various topics on which the subjects of philosophy, political science, and economics converge will be investigated, among them: standards for evaluating governments such as natural rights, welfare, majority rule, and efficiency; the concept of rational action; the relationship between action explanations and behaviour explanations in social science in making decisions and choosing policies. Reading in such authors as Aristotle, Butler; Hicks, Little, Boulding; Marx, Weber; Herring, Downs, Arrow, Schelling; Popper, Dahl and Lindblom, and Simon.

408. Industrial Organization

Lect.: 3 hrs.

Prerequisite: Economics 100.

409. Applied Economics (same as Commerce 454) R. E. George

Lect.: 3 hrs.

The application of economic principles to the problems of economic control; optimum pricing and distribution of factors of production under private and public enterprise; control of monopoly and restrictive practices; location of industry; economics of underdeveloped areas.

Prerequisite: Economics 100 and 200.

Graduate Studies

The Department offers a graduate programme leading to the M.A. degree and expects to initiate a Ph.D. programme in the near future. Details of the M.A. programme, including a list of graduate courses, are given under Graduate Studies. Senior undergraduates with high standing may be admitted to graduate classes at the discretion of the instructors concerned.

Department of Economics and Sociology

SOCIOLOGY AND ANTHROPOLOGY DIVISION

Associate Professor.....R. K. N. Crook
Associate Professor.....H. V. Gamberg

General B.A. Degree

Notes:

1. Sociology or Anthropology may be offered as fields for major or minor concentration.
2. Students majoring in Sociology may minor in Anthropology. Students majoring in Anthropology may minor in Sociology.
3. Students considering majoring in Sociology or Anthropology should consult the Department in designing their programs.

Recommended Programmes for General B.A.

Sociology:

YEAR I Sociology/Anthropology 100; Language; History 100; Mathematics 100 (or Science, to be decided in consultation with the Department); Psychology 100 OR General Anthropology 102.

YEAR II Sociology 202; 1 class of Sociology at the 200 level; Philosophy 100 (if not taken in Year I) OR Psychology 100 OR General Anthropology 102; English; Elective.

YEAR III 3 classes in Sociology at the 300 or 400 level; 1 advanced class in a Social Science other than Sociology, OR Philosophy 200; Elective.

Anthropology:

YEAR I Sociology/Anthropology 100; Language; History 100; Mathematics 100, OR Science; Philosophy 100 OR General Anthropology 102.

YEAR II Anthropology 202; 1 class in Anthropology at the 200 level; General Anthropology 102 OR Philosophy 100; English; Elective.

YEAR III 3 classes in Anthropology at the 300 or 400 level; 1 advanced class in a Social Science other than Anthropology, OR Philosophy 200; Elective.

Honours B.A.

Notes:

1. Honours may be taken in Sociology or in Anthropology.
2. Students honouring in Sociology may take Anthropology as the minor field. Students honouring in Anthropology may take Sociology as the minor field.
3. Students considering taking Honours in Sociology or Anthropology should consult the Department in designing their programs.

Recommended Programs for Honours B.A.

Sociology:

- YEAR I Sociology/Anthropology 100; Language; History; Mathematics 100 (or Science, to be decided in consultation with the Department); Philosophy 100, OR Psychology 100, OR General Anthropology 102.
- YEAR II Sociology 202; 1 class in Sociology at the 200 level; Philosophy 100 (if not taken in Year I) OR Psychology 100, OR General Anthropology 102; English; Elective.
- YEAR III Sociology 301; Sociology 305; 1 class in advanced Sociology; 1 class at advanced level in Social Science other than Sociology, OR Philosophy 200; Elective.
- YEAR IV Sociology 450; 3 classes of years 3 or 4 Sociology; Elective.

Anthropology:

- YEAR I Sociology/Anthropology 100; Language; History 100; Mathematics 100 or a Science; General Anthropology 102 OR Philosophy 100.
- YEAR II Anthropology 202; one class in Anthropology at the 200 level; Philosophy 100 OR General Anthropology 102; English; Elective.
- YEAR III Sociology 301; Anthropology 305; Anthropology 306; 1 class at advanced level in Social Science other than Anthropology, OR Philosophy 200; Elective.
- YEAR IV Anthropology 451; 3 classes in Anthropology at 300 or 400 level; Elective.

Combined Honour Programs where Sociology is the Major Field

Students wishing to take Sociology as the minor field of a joint honours program should consult the options listed under the Department in which major concentration is intended.

Combined Honours in Sociology and Economics

- YEAR I Sociology/Anthropology 100; Economics 100; Mathematics 100 (or a Science, to be decided in consultation with the Department); History 100; Language.
- YEAR II Sociology 202; 1 class in Sociology at the 200 level; Economics 200; Economics 202; English.
- YEAR III Sociology 301; Sociology 305; Economics 201; Economics 304; Philosophy 100.
- YEAR IV 2 classes at the 300 or 400 level in Sociology; 1 class in Economics at the 300 or 400 level; 2 Electives.

Combined Honours in Sociology and Political Science

- YEAR I Sociology/Anthropology 100; Political Science 100; Mathematics 100 or a Science; History 100 OR Philosophy 100; Language.
- YEAR II Sociology 202; 1 class in Social Anthropology at the 200 level; 2 classes in Political Science at the 200 level; English.
- YEAR III Sociology 301; Sociology 305; 2 classes in Political Science at 200 or 300 level; Philosophy 100 OR History 100.
- YEAR IV 2 classes in Sociology at the 300 or 400 level; 1 advanced class in Political Science; 2 Electives.

Combined Honours in Sociology and Psychology

- YEAR I Sociology/Anthropology 100; Philosophy 100; Mathematics 100 or a Science; Philosophy 100 OR History 100; Language.
- YEAR II Sociology 202; Sociology 203 or 204; Psychology 200; Psychology 201; English.
- YEAR III Sociology 301; Sociology 305; Psychology 308; History 100 OR Philosophy 100; Elective.
- YEAR IV Sociology 450; one class in Sociology chosen from 307, 402, 407; Psychology 465; Psychology 470; one Elective.

Combined Honours in Sociology and Philosophy

- YEAR I Sociology/Anthropology 100; Philosophy 100; Mathematics 100 or a Science; History 100; Language.
- YEAR II Sociology 202; 1 class in Sociology at the 200 level; Philosophy 200; English; Elective.
- YEAR III Sociology 301; Sociology 305; 2 classes in advanced Philosophy selected from 205, 210, 230, 320; Elective.
- YEAR IV 2 classes in Sociology at the 300 or 400 level; 2 classes of advanced Philosophy; Elective.

Classes Offered in Sociology

100. Sociology/Anthropology

Lect.: 3 hrs.

Introduction to Sociology and Social Anthropology. Required for all advanced courses at the 200, 300, or 400 level in Sociology or Anthropology.

202. Comparative Social Systems

Lect.: 3 hrs.

Problems in comparative analysis of social structure; frameworks for classification and comparison will be examined and related to existing knowledge of different societies and social processes.

203. The Structure of Social Control

Lect.: 3 hrs.

The problems of order is discussed in sociological terms. Mechanisms of social control are considered in relation to deviance and conformity.

204. Social Stratification

Lect.: 3 hrs.

System of differential allocation of rank, power and prestige; the relations of empirical research to various stratification models including those developed by Marx, Weber, Davis and Moore, and Parsons are considered with special reference to industrial societies.

205. Canadian Society

Lect.: 3 hrs.

An examination of the institutional framework of Canadian society. Population and ethnic composition, native peoples, industrialization, and recruitment of elites will be among topics discussed.

301. Research Methods and Social Statistics

Lect. 3 hour Seminar.

An introduction to research design and the collection and analysis of data; elementary statistical techniques as applied to sociological research.

303. Social Change and Modernization

Lect.: 3 hrs.

Comparative analysis of social change with particular emphasis on the processes associated with industrialization. The structure of innovation and resistance to change. Common features and alternatives in modernizing societies.

304. Sociology of Religion

Lect.: 3 hrs.

The sociological analysis of beliefs and practices relating to the sacred in the context of comparative social structure. The organization of religious activities in modern societies.

305. Social Theory in Historical Perspective

Lect.: 3 hrs.

The relation of the scientific sociological theory to major trends in the history of social thought since the French Revolution.

307. Socialization

Lect.: 3 hrs.

Research on society and personality theory and the relation of social structure to role acquisition and performance.

308. Sociology of Science and Ideas

Lect.: 3 hrs.

The institutional basis of idea systems with particular reference to the development of modern science. The organization of scientific research in contemporary society.

401. Analysis of Social Structure

3 hour Seminar.

An advanced introduction to comparative sociology for seniors or graduate students in other disciplines. Does not constitute an advanced course for majors or honours students in Sociology or Anthropology. Without prerequisites.

402. Research Seminar

3 hour Seminar.

Selected research problems in Sociology and Social Anthropology; student research projects will be undertaken.

403. Organization Theory and Bureaucracy

Lect.: 3 hrs.

Theoretical models for analysis of complex organizations. Application to numerous types of organization including economic.

405. Theoretical Sociology and Social Anthropology

3 hour Seminar.

Current issues in theory and methodology. Theory construction in relation to empirical research.

407. Small Groups

3 hour Seminar.

The small group as a focus for sociological analysis. Particular reference to research on experimental groups.

450. Honours Seminar in Sociology

3 hour Seminar.

452. Readings in Sociology (Staff)

(Restricted to Honours Students). The student is assigned to a member of staff for regular meetings to discuss readings in a selected area. Papers and research projects will be expected.

A number of listed courses may not be offered in 1966-67. Students should consult the Department at the time of registration for possible changes.

Classes Offered in Anthropology**100. Sociology/Anthropology**

Lect.: 3 hrs.

Introduction to Sociology and Social Anthropology. Required for all advanced, i.e., 200, 300, and 400, courses in Sociology and Anthropology.

102. Introduction to General Anthropology

Lect.: 3 hrs.

A general survey of Anthropology including human origins and evolution, prehistory and archaeology, physical anthropology and linguistics. (Required for all students majoring or honouring in Anthropology, or honours students in Sociology taking Anthropology as the minor field. Does not meet prerequisite for advanced courses in Sociology or Anthropology).

202. Comparative Social Systems (same as Sociology 202)**203. The Structure of Social Control (same as Sociology 203)****204. Social Stratification (same as Sociology 204)****205. Canadian Society (same as Sociology 205)****302. Kinship Systems**

Lect.: 3 hrs.

Analysis and classification of kinship and family systems. Regulation of marriage, kinship roles; behaviour and terminology.

303. Social Change and Industrialization (same as Sociology 303)**304. Sociology of Religion (same as Sociology 304)****305. Social Theory in Historical Perspective (same as Sociology 305)****306. Area Ethnography I**

Lect.: 3 hrs.

Systematic analysis of a ethnographic area.

307. Socialization (same as Sociology 307)**308. Sociology of Science and Ideas (same as Sociology 308)****402. Research Seminar (same as Sociology 402)****405. Theoretical Sociology and Social Anthropology (same as Sociology 405)**

406. Area Ethnography II

Lect. 3 hour Seminar.

An advanced analysis of one or more ethnographic areas.

451. Honours Seminar in Social Anthropology

Lect. 3 hour Seminar.

453. Readings in Anthropology (Staff)

Restricted to Honours Students. The student is assigned to a member of the staff for regular meetings to discuss readings in a selected area. Papers and research projects will be expected.

A number of listed courses may not be offered in 1966-67. Students should consult the Department at the time of registration for possible changes.

Graduate Studies

An M.A. programme in Sociology is offered. Details may be found in the Graduate Studies section of the Calendar.

CLASSES

Professors.....A. S. Mowat (Head of Dept.), H. J. Uhlman
Assistant Professors.....R. D. H. Black, V. R. Blake.

D. R. Olson, J. W. Quinn

LecturerR. Gamberg

101. General Principles of Education*

Lect.: 3 hrs.

This is an introductory class in Education which provides for a comparative and historical treatment of recently developed educational theories and methods. Attention is also given to the analysis of some of the more important educational principles which give direction to recent developments in Canadian education. This class may count toward the degree of B.A. or B.Sc., and may be taken by students in their third or fourth year. It is also a required class for candidates for the Junior or Senior Diploma in Education, and for the B.Ed. degree (if not already taken). *Text*: Geo. F. Keller—*Foundations of Education*.

* Education 1 and Education 2 are offered in alternate years at the Dalhousie Summer School, Education 1a and 2a, previously offered in the evenings, are discontinued. Teachers in service wishing to improve their license standing should attend the summer-school classes.

102. Theory and History of Education

Lect.: 2 hrs.

A survey of the theories of the great educators and of the history of education in Europe and America, followed by a study of modern school systems in selected countries. This class may count as an elective credit towards the degree of B.A. or B.Sc., provided, however, that no student may be allowed to count more than one class in Education as such a credit.

Texts: Adolph Meyer—*An Educational History of the Western World*.
Reference Books: Robert Ulich, *History of Educational Thought*; Curtis and Boulwood, *Short History of Educational Ideas*.

ENGLISH LANGUAGE AND LITERATURE

Professors.....A. R. Bevan (Head of Dept.), C. L. Bennet,
 S. E. Sprott (Sabbatical 1965-66)

Visiting Professor.....A. L. Wheeler

Associate Professors.....R. MacG. Dawson, M. G. Parks,
 D. P. Varma, H. S. Whittier

Assistant Professors.....A. G. Cannon, S. A. Cowan
 J. Fraser, R. Hafter, L. H. Lawrence, S. Mendel
 C. J. Myers, R. L. Raymond, J. D. Ripley

Lecturer.....Miss A. Stanley

Honours English: Major Programme

This programme is recommended especially for students looking forward to graduate study in English (at Dalhousie or at other graduate schools) and for prospective specialist High School Teachers. It provides the student with the full coverage of English Literature required in many universities for subsequently completing in one year the course work for the M.A. degree.

All students intending to enter Honours English in Year II must consult the Department of English before the end of their first year.

YEAR I English 100; one of French 100, German 100, Latin 100, Greek 100; one of History 100, Philosophy 100, Classical Literature; one of Economics 100, Political Science 100, Sociology 100, Psychology 100; one of Chemistry 100, Physics 100, Biology 100, Geology 100, Mathematics 100.*

* This requirement applies only to students with no Senior Matriculation credit in Science or Mathematics. Students having such credit may choose a second subject from History, Philosophy, Classical Literature, or a class in a second foreign language.

- YEAR II English 251; English 252; a second subject from Economics 100, Political Science 100, Sociology 100, Psychology 100; a second subject from History 100; Philosophy 100; Classical Literature 100; a second class in the language chosen in Year I.*
- YEAR III English 351; English 352; English 353; **one class above the 100 level, normally chosen from History, Philosophy, Classical Literature, or a foreign language, a class in a second foreign language, OR a third class in the minor subject, OR a third class in the first foreign language.
- YEAR IV English 451; English 452; two of English 453, English 206, English 207, English 211, English 454, English 212, English 208, English 201; †one class above the 100 level in History, Philosophy, or a class in Fine Arts or Music.

English and French: Combined Programme

- YEAR I English 100; French 100 or French 102; one of Economics 100, Political Science 100, Sociology 100, Psychology 100; one of Classical Literature 100, History 100, Philosophy 100; Science or Mathematics OR (if not required) a second subject from Classical Literature 100, History 100, Philosophy 100.

* Students intending to go on to graduate study in English should substitute here English 253 (Old English). Otherwise they may be obliged to make up the class in their M.A. programme, at Dalhousie or elsewhere.

**Students wishing to concentrate on the study of drama may, however, postpone English 353 until Year IV and substitute here English 211. Consequently, their course in Year IV will consist of English 451, 452, 353, 201, and the extra-departmental elective.

† Students intending to enter graduate study are advised to choose English 454 as one of the two elective classes.

The *standard* Honours course in English consists of the following 10 classes: English 253, 351, 251, 252, 201, 352, 451, 452, 453, and 454. Students may wish, however, to take advantage of the wide choice offered for the two electives (see Year IV, 18 and 19) in order to satisfy special interests. They are allowed to do so with the understanding that only the *standard* course as outlined earlier in this paragraph prepares the student to undertake graduate work in English (at Dalhousie or elsewhere) without possibly having to make up deficiencies and therefore extending his M.A. course to two years instead of one.

- YEAR II English 252; French 220; French (any other intermediate class); a second subject from Classical Literature 100, History 100, Philosophy 100 (if not already taken in I, 5), otherwise a class in European or French or British History; a second class from Economics 100, Political Science 100, Sociology 100, Psychology 100.
- YEAR III English 251 or English 352; English 353; English 207 or French 321; French 322; a class from the Humanities beyond the 100 level.
- YEAR IV English 451 or English 452; English 453 or English 209; French 320 or French 453; one of French 350, French 451, French 452; free elective.

English and History: Combined Programme

- YEAR I English 100; History 100; French 100 or German 100 or Latin 100; Economics 100 or Political Science 100 or Sociology 100; Chemistry 100 or Physics 100 or Biology 100 or Geology 100 or Mathematics 100.*

This requirement applies only to students with no Senior Matriculation credit in Science or Mathematics. Students having such credit may substitute Classics in Translation 100 or Philosophy 100.

- YEAR II English 252; English 251 or English 352; History 314; a second subject from Economics 100, Political Science 100, Sociology 100; a second class in the language begun in Year I.
- YEAR III English 353; English 451; History 211; History 200 or 201; Philosophy 100 or Classical Literature in Translation 100.
- YEAR IV English 453 or English 209 or English 212; English 351 English 206, or English 211, or English 207, or English 454, or English 201; two of History 210, or History 220, History 230, or History 231, or History 204, History 205;* a second class in Philosophy chosen from Philosophy 230, 300, 303, 310, 315.

English and Philosophy: Combined Honours Programme

- YEAR I English 100; Philosophy 100; French 100 or German 100 or Latin 100 or Greek 100; Economics 100 or Political

* Students in Year IV must consult the Department about correspondence of classes. As a general rule, classes in English and History in Year IV must be matched: e.g., if English 207 is chosen, History 220 must also be chosen.

Science 100 or Sociology 100 or Psychology 100; Biology 100, or Chemistry 100 or Geology 100 or Physics 100 or Mathematics 100.*

- YEAR II English 252; English 251 or English 352; one of Philosophy 200, 205, 210; a second class from Economics 100, Political Science 100, Sociology 100, Psychology 100; a second class in the language chosen in Year I.
- YEAR III English 353; English 451 or 452; a second class from Philosophy 200, 205, 210; Philosophy 230; History 6 or History 4 if History 100 has already been taken in Year I, if not, substitute History 100 here.
- YEAR IV One of English 453, 209, 208; one of English 351, 206, 211, 207, 454, 201; Philosophy 235 or 240; Philosophy 315 or 320 or 325 or 330; Elective chosen from History, Classics, Modern Languages, Fine Arts or Music.

Classes Offered

1. Introduction to Poetry, Fiction, and Drama

Lect.: 3 hrs.

An introduction to the critical reading of literature, for students registered before 1966 who do not have the prerequisite for English 100. *Texts*: Laurence Perrine, *Sound and Senses, An Introduction to Poetry*; an anthology of short stories (to be announced); Bulfinch's *Mythology*; Shakespeare, *King Lear*; Synge, *The Playboy of the Western World*; Miller, *Death of a Salesman*; Dickens, *Great Expectations*; Crane, *The Red Badge of Courage*; James, *The Turn of the Screw*; Fitzgerald, *The Great Gatsby*. Handbook for theme correction; Baker, *The Practical Stylist*.

100. Survey of Major British Writers

Lect.: 3 hrs.

Prerequisite: English 1 or an equivalent class, or Senior Matriculation. A study of English literature through the works of major writers. *Texts*: Chaucer; Shakespeare, *Othello, The Tempest*; Milton, *Paradise Lost*; Swift, *Gulliver's Travels*; Wordsworth; Dickens, *Hard Times*; Conrad, *Heart of Darkness*; a collection of short stories and shorter poems. Handbook for theme correction: *Handbook for Writers*.

* Students with a Senior Matriculation pass in Science may substitute here History 100 or Classical Literature in Translation.

110. Theory and Practice of Drama and the Theatre Arts

Lect.: 3 hrs. Lab.: 3 hrs.

Prerequisite: English 1. A class for students interested in the study of drama. This class can not be substituted for English 100. An analysis of the elements of theatre with special attention to the creative arts involved. Lectures will be supplemented by co-ordinated practical exercises. *Texts*: to be announced.

201. History of the English Language A. G. Cannon

Lect.: 2 hrs.

Prerequisite: English 2. An introductory course in language of particular interest to prospective teachers of English. A study of phonetics and of modern approaches to Grammar is included. *Texts*: John A. Sheard, *The Words We Use*; *Readings in English Linguistics*, ed. Harold B. Allen; C. C. Fries, *The Structure of English* (for M.A. and Honours English students only); Paul Roberts, *Teacher's Guide to Patterns of English* (all other students).

202. History of Drama from its Origins to the Italian Renaissance Miss A. Stanley

Lect.: 3 hrs. Lab.: 1 hr.

Prerequisite: English 2. A study of the development of world drama and theatre from pre-historic times to the Italian Renaissance. Practical sessions. *Texts*: to be announced.

203. Masterpieces of Western Literature H. S. Whittier

Lect.: 3 hrs.

Prerequisite: English 2. A course of intensive reading in translations of selected major works from Western Literature designed to lead to an understanding of the continuity of that literature. *Basic Texts*: *The Bible: Selections from the Old and New Testaments* (Rinehart); Dante, *The Inferno* (Mentor); Cervantes, *Don Quixote* (Viking Portable). Additional texts to be announced. Interested students should consult the instructor in the spring or during registration.

204. The European Novel S. Mendel

Lect.: 2 hrs.

Prerequisite: English 2. A study of representative novels of the last two hundred years in translation. *Texts*: Goethe, *The Sorrows of Young Werther* (Signet); Constant, *Adolphe* (Signet); Stendahl, *Scarlet and Black* (Penguin); Turgenev, *Fathers and Sons* (Signet); Flaubert, *Madam Bovary* (Norton); Dostoyevsky, *Crime and Punishment* (Penguin); Tolstoy, *Anna Karenina* (Signet); Gide, *The Immoralist* (Vintage); Mann, *The Magic Mountain* (Penguin); Kafka, *The Trial* (Modern Library); Koestler, *Darkness at Noon* (Signet); Sartre, *Nausea* (New Directions).

205. Victorian Literature

C. L. Bennet

Lect.: 2 hrs.

Prerequisite: English 2. A study of prose and poetry of the period. Carlyle; Newman; Ruskin; Arnold; Dickens; Thackeray; Tennyson; Browning.

206. American Literature

Lect.: 3 hrs.

Prerequisite: English 2. This is a survey of American literature through selected major works by Poe, Hawthorne, Melville, Thoreau, Twain, James, Frost, Anderson, Stevens, Hemingway and Faulkner. Summer reading is advisable. Interested students should obtain reading lists from the instructor in the spring.

207. Canadian Literature

M. G. Parks

Lect.: 2 hrs.

Prerequisite: English 2. A survey of English-Canadian literature with emphasis on poetry and fiction from the 1920's to the present. Among the poets represented are Isabella Crawford, C. G. D. Roberts, Bliss Carman, Archibald Lampman, D. C. Scott, E. J. Pratt, F. R. Scott, A. J. M. Smith, Earle Birney, A. M. Klein, and P. K. Page. The following prose works are studied: T. C. Haliburton, *The Clockmaker* (1st series); Stephen Leacock, *Sunshine Sketches of a Little Town*, *Arcadian Adventures with the Idle Rich*; F. P. Grove, *Fruits of the Earth*; Hugh MacLellan, *Barometer Rising* and one other novel; Robertson Davies, *Leaven of Malice*; Morley Callaghan, *Such is My Beloved*; Ernest Buckler, *The Mountain and the Valley*. Some changes and additions may be made. Summer reading of the novels is advisable. *Texts*: Klinck and Watters, *Canadian Anthology*; novels in the New Canadian Library series.

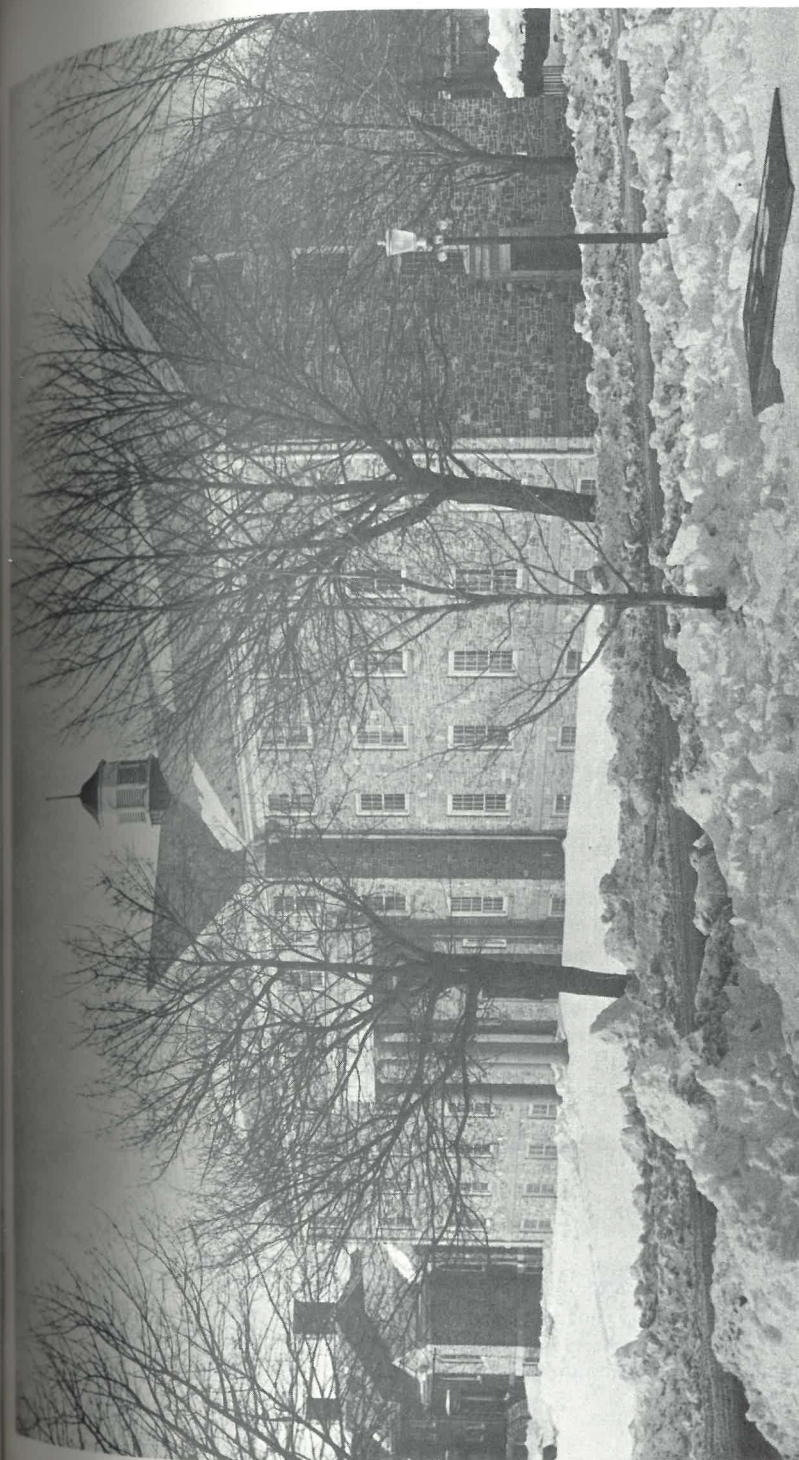
208. The English Novel to 1900

D. P. Varma

Lect.: 2 hrs.

Prerequisite: English 2. A survey of the English novel, primarily to study the evolution of fiction and its chief landmarks during the eighteenth and nineteenth centuries: Antecedents and formative influences of fiction; chief works of eighteenth century novelists; efflorescence and disintegration of Gothic Romance; making of the Historical Novel; representative works of Victorian fiction.

Texts: Defoe, *Moll Flanders*; Richardson, *Clarissa*; Fielding, *Tom Jones*; Goldsmith, *Vicar of Wakefield*; Radcliffe, *Mysteries of Udolpho*; M. G. Lewis, *The Monk*; Mary Shelley, *Frankenstein*; Scott, *Kenilworth*; Jane Austen, *Emma*; George Eliot, *Silas Marner*; E. Brontë, *Wuthering Heights*; Dickens, *David Copperfield*; Thackeray, *Vanity Fair*; Hardy, *Tess of the D'Urbervilles*.



Alexandra Hall in a Winter Setting

209. Twentieth-Century Fiction

A. R. Bevan

Lect.: 2 hrs.

Prerequisite: English 2. A study of selected novels, novelettes and short stories of the twentieth century: Conrad, *Lord Jim*; James, *Daisy Miller* and *Turn of the Screw*; Lawrence, *Sons and Lovers*; Joyce, *Portrait of the Artist*; Woolf, *Mrs. Dalloway*; Forster, *Passage to India*; Huxley, *Antic Hay*; Cary, *Horse's Mouth*, *Herself Surprised* and *To be a Pilgrim*; Golding, *Lord of the Flies*; Faulkner, *The Sound and the Fury*; Steinbeck, *The Grapes of Wrath*; Hemingway, *The Sun Also Rises*, and *The Old Man and the Sea*.

210. Modern Poetry

S. E. Sprott

Lect.: 2 hrs.

Prerequisites: English 2. A study of poetry by representative authors, especially Hopkins, Yeats, Pound, Eliot, Auden and Thomas.

211. History of the Western Theatre from the Renaissance to the Rise of Realism

J. D. Ripley

Lect.: 3 hrs. Lab.: 1 hr.

Prerequisite: English 2 and permission of the instructor. A study of the theatre in Western Europe from the Renaissance to the Rise of Realism, with special reference to the theatre in Italy, Spain, France, England, and Germany. Development of the theatre in North America. Practical sessions. *Texts*: to be announced.

212. The Theatre from the Rise of Realism to the Present Day

L. H. Lawrence

Lect.: 3 hrs. Lab.: 1 hr.

Prerequisite: English 2 and permission of the instructor. The development of modern drama and theatre in Europe and North America. Special attention will be given to playwrights and theatres of Germany, Austria, Switzerland, Scandinavia, Russian, Italy, Spain, France, Great Britain, and the United States. Practical sessions. *Texts*: to be announced.

Classes for Honours Degree Only

251. Sixteenth-Century Non-Dramatic

R. L. Raymond

Lect.: 2 hrs.

Prerequisite: English 2. A study of representative works of More, Erasmus, Cavendish, Wyatt, Surrey, Elyot, Ascham, Hooker, Sidney, Marlowe, Shakespeare, Daniel, Drayton, Lyly, Deloney, Greene, and Nashe, with special emphasis on the poetry of Spenser. *Texts*: More, *Utopia* (Yale); *The Essential Erasmus* (Mentor); *Two Early*

Tudor Lives (Yale); Ashley and Moseley, *Elizabethan Fiction*; Spenser, *The Shepherd's Calendar and other Poems* (Everyman) and *The Faerie Queene*, Vol. I (Everyman); Rollins and Baker, *The Renaissance in England*.

252. Elizabethan and Jacobean Drama A. L. Wheeler
Lect.: 2 hrs.

Prerequisites: English 2. A study of representative plays of Lyly, Kyd, Marlowe, Peele, Greene, Dekker, Heywood, Jonson, Beaumont and Fletcher, Middleton, Massinger, and Ford; also a study of about a dozen of Shakespeare's plays. *Texts*: *Elizabethan and Stuart Plays*, ed. Baskerville, Heltzel, Nethercot; T. M. Parrott and R. H. Ball, *A Short View of Elizabethan Drama*; Shakespeare's *Complete Works*, ed. G. L. Kittredge, or Hardin Craig. Summer reading is advisable, for which direction should be obtained from the Department.

253. Old English

Lect.: 3 hrs.

Prerequisite: English 2. For honour and graduate students, and others by special permission. Students intending to take this class should arrange for preparatory reading during the summer.

351. Middle English A. G. Cannon
Lect.: 3 hrs.

Prerequisite: English 2. Primarily for honour students. An introduction to literary traditions, 1100-1500, with close textual study of selected works. *Texts*: *Chaucer*, ed. Robinson; *Medieval English*, ed. Kaiser.

352. Seventeenth-Century Non-Dramatic S. A. Cowan
Lect.: 2 hrs.

Prerequisite: English 2. A study of representative works of Bacon, Donne, Jonson, Herbert, Crashaw, Vaughan, Marvell, Cowley, Burton, Browne, and Taylor, with special emphasis on the poetry of Milton. *Texts*: Hughes (ed), *John Milton: Complete Poems and Prose*; anthology to be announced.

353. Restoration and Eighteenth-Century Literature
Lect.: 2 hrs.

Prerequisite: English 2. A broad survey of English literature and letters from 1660 to 1780, including selections from Dryden, Wycherley, Congreve, Pope, Swift, Gray, Hume, Young, Sheridan, Sterne, Johnson, Boswell, Defoe, and Fielding. *Texts*: Shepard and Wood, *English Prose and Poetry 1660-1800*; Wilson, *Six Restoration Plays*; *Six Eighteenth Century Plays*; Defoe, *Moll Flanders*; Fielding, *Tom Jones*; Sterne, *Tristram Shandy*.

451. Nineteenth-Century Poetry C. J. Myers
Lect.: 3 hrs.

Prerequisite: English 2. The purpose of this course is to study selected poems by the major nineteenth-century English poets. Slightly more than half the year will be devoted to works by the following poets of the Romantic Movement; Blake, Wordsworth, Coleridge, Keats, Shelley, and Byron. The remaining part of the second term will be devoted to selections from the works of Arnold, Tennyson, and Browning.

452. Nineteenth-Century Thought S. Mendel
Lect.: 2 hrs.

Prerequisite: English 2. For honour students and others by special permission of the instructor. A study of representative writers of the period, with emphasis on the history of ideas. *Texts*: Bentham and Mill, *The Utilitarians* (Dolphin); Mill, *On Bentham and Coleridge* (Harper); Dickens, *Hard Times* (Rinehart); Burke, *Reflections on the Revolution in France* (Dolphin); Coleridge, *Biographia Literaria* (Everyman); Carlyle, *Sartor Resartus* (Everyman), *Past and Present* (Everyman); Newman, *Apologia pro vita sua* (Houghton Mifflin); Eliot, *Middlemarch* (Houghton Mifflin); Ruskin, *Selections and Essays* (Scribner).

453. Twentieth-Century Literature J. Fraser
Lect.: 3 hrs.

Prerequisite: English 2. A seminar for senior students. A study of representative works of Hopkins, Conrad, Yeats, Forster, Joyce, Pound, Lawrence, Eliot, and Woolf. Summer reading is advisable.

454-513. Literary Criticism R. S. Hafter
Lect.: Hours to be arranged.

For senior honour and graduate students. A study of the history, theory, and practice of literary criticism from Aristotle to the present. *Texts*: Schorer *et al.*, *Criticism*; Enright and De Chickera, *Major Critical Texts*; Melville, *Billy Budd*; Hardison, Jr., *Modern Continental Literary Criticism*.

Graduate Studies

The Department offers graduate classes leading to the degrees of M.A. and Ph.D. Details relating to admission, scholarships and fellowships, requirements for the degree, classes of instruction, etc., can be found under Faculty of Graduate Studies.

GEOLOGY

Professors.....C. G. I. Friedlaender, H. B. S. Cooke
Associate Professors.....G. C. Milligan,
 M. J. Keen (Oceanography)
Assistant Professors.....P. E. Schenk
 D. J. Stanley (Oceanography), D. J. P. Swift
Special Lecturers J. E. Blanchard, A. E. Cameron,
 T. T. Davies, J. F. Jones, B. D. Loncarevic,
 D. H. Loring, J. I. Marlowe, F. Medioli

Students who intend to study for a degree in Geology should consult with the Head of the Department and other staff members before registration.

Those who intend to make their career in Geology, or, who intend to undertake graduate studies in Geology, should consider taking an Honours Course.

The tables show programmes suggested:

1. For a General degree (Table 1)
2. For an Honours degree
 - (a) Major programmes (Table 2)
 - (b) Combined programmes (Table 3)

Honours students may be required to submit a short thesis by the end of their last year. They will also be required to obtain field experience satisfactory to the Department.

Classes Offered

100. Introduction to Geology C. C. Milligan, P. E. Schenk
 Lect.: 3 hrs.; lab. 3 hrs. (2 sections)

Students in Engineering should register for the first section, except by special permission. Introductory survey of main fields of geology and their relation to one another. Intended for those who are not pursuing geology as a career, as well as those who are preparing for specialized classes. Emphasizes the geological events and processes evident in the world about us. There is no prescribed text. Readings are assigned from suitable references in the departmental library.

201. Elements of Optical Mineralogy and Petrography
 C. G. I. Friedlaender

Lect.: 2 hrs.; lab.: 3 hrs.

Aspects of determination with the mineralogical microscope.

202. Introduction to Palaeontology

D. J. P. Swift

Lect.: 2hrs.; lab.: 3 hrs.

A study of the biological and stratigraphic relationship of fossil forms with emphasis on morphologic structure, one paleoecology, and on evolutionary trends. *Texts:* Moore, Lalicker, and Fisher, *Invertebrate Fossils.*

TABLE 1

General Degree

FIRST YEAR	Geology 100 Language 100 English 100 (or elective) Mathematics 100 Physics 110 or Biology 100 or Chemistry 101	
	Geology 201 Geology 202 Elective (or English 100 if not already taken) Physics 110 or Biology 100 or Chemistry 101 or Mathematics 200 Physics 200 or Biology 201 or Chemistry 210	
SECOND YEAR		
THIRD YEAR	1	2
	Geology 301 Geology 302 Geology 303 Physics 220 or Biology 201 or Chemistry 210 Elective	Geology 301 Geology 302 Geology 304 Engineering 200 Elective

TABLE 2

Honours (Major)

	I Economic Geology	II Geophysics	III Geochemistry	IV Biological & Stratigraphic
FIRST YEAR	Geology 100 Language 100 English 100 (or elective) Mathematics 100			
	Physics 110	Physics 110	Chemistry 101	Biology 100
SECOND YEAR	Geology 201 Geology 202 Elective (or English 100 if not already taken)			
	Chemistry 101 Mathematics 200	Physics 220 Mathematics 200	Chemistry 210 Physics 110 or Biology 100	Biology 201 Chemistry 101 or Physics 110 or Mathematics 200
THIRD YEAR	Geology 301 Geology 302 Elective			
	Geology 304 Engineering 200	Geology 405 Physics 230 or Mathematics 300 or 227 or 206	Geology 305 Chemistry 230	Geology 303 Biology 321
FOURTH YEAR	Geology 401 or 406 Geology 403 Geology 404 Engineering 210, 211 Chemistry 210	Geology 303 Geology 304 Geology 451 or 401 Geology 452 Mathematics 200 or 227 or 206, or Physics 230	Geology 303 Geology 304 Geology 401 Geology 454	Geology 304 Geology 401 Geology 455 Geology 457 or 506 Chem. 210 or Phys. 220 or Math. 200, 227 or 206

102

KING'S COLLEGE

TABLE 3

Honours (Combined)

	I with Physics	II with Chemistry	III with Biology
FIRST YEAR	Mathematics 100 Language 100 English 100 or Elective Geology 100		
	Physics 110	Chemistry 101	Biology 100
SECOND YEAR	Geology 201 Geology 202 Elective (or English 100 if not already taken)		
	Physics 220 Mathematics 200	Chemistry 210 Mathematics 200, 220 or 228	Biology 201 Chemistry 101 or Physics 110 or Mathematics 200
THIRD YEAR	Geology 301 Elective		
	Physics 230 Physics 330 or 335 Geology 303	Chemistry 230 Chemistry 320 Geology 304	Biology 321 Biology 323 Geology 302
FOURTH YEAR	Physics 310 Mathematics 200 or 227 or 206 Geology 305 Geology 401 or Geology 405 Geology elective	Chemistry 410 Physics 110 or Biology 100 Geology 454 Geology 305 Geology elective	Biology Elective Chemistry or Physics 220 or Mathematics 200 or 227 or 206 Geology 401 Geology 455 Geology elective

KING'S COLLEGE

103

203. Concepts of Geology

Staff

Lect.: 2 hrs.

An outline of the concepts basic to current geological ideas and the inter-relationships between them.

301. Petrology of Igneous, Sedimentary and Metamorphic Rocks

C. G. I. Friedlaender, P. E. Schenk

Lect.: 2 hrs.; lab.: 3 hrs.

Descriptive petrography and elements of interpretative petrology.

302. Stratigraphy and Historical Geology

P. E. Schenk

Lect.: 2 hrs.; lab.: 3 hrs.

Interpretation of depositional environment through geologic time from the study of the lithology, distribution, correlation, paleoecology, and lateral and vertical relationships of stratified rock.

303. Structural Geology

G. C. Milligan

Lect.: 3 hrs.; lab.: 3 hrs.

Study of the geometrical aspects of geological structures, including the elements of descriptive geometry. Primary and secondary structures in igneous and sedimentary rocks.

304. Introduction to Ore Deposits (1967-68)

G. C. Milligan

Lect.: 3 hrs.

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

305. Crystallography

C. G. I. Friedlaender

Lect.: 2 hrs.; lab.: 3 hrs.

Introduction to geometrical and physical crystallography.

401. Sedimentation and Sedimentary Petrology

D. J. Stanley, D. J. P. Swift

Lect.: 2 hrs.; lab.: 3 hrs.

Sedimentary processes and sedimentary rocks, with special reference to marine conditions and the ocean floor.

403. Advanced Structural Geology (1966-67)

G. C. Milligan

Lect.: 3 hrs.

Prerequisite: Geology 100, 201, 303. A seminar which includes discussion of major structural problems such as orogeny, isostasy, geosynclinal development, granitization, etc. Exercises in interpretation of geological maps are also assigned.

404. Ore Deposits, Advanced Course (1966-67)

G. C. Milligan

Hours to be arranged.

Prerequisite: Geology 100, 201, 303, 304. (Chemistry is not a prerequisite but it is strongly recommended as preparation.) Controlling factors in deposition of ores, as illustrated by selected districts and mines. Includes exercises in structural problems in mining, and in sampling and valuation. Laboratory work in microscopy.

405. Introduction to Earth Physics

M. J. Keen, B. D. Loncarevic

Lect.: 3 hrs.; lab.: 3 hrs.

Prerequisites: Permission of the instructor. Practical exercises may be assigned. The origin, age and constitution of the Earth; the properties of rocks and minerals, and the application of geophysics to geological problems.

406. Examination of Mineral Properties

A. E. Cameron

Lect.: 2 hrs.; lab.: to be arranged.

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.

451 - 501. Advanced Petrology (1967-68)

C. G. I. Friedlaender

Hours to be arranged.

Universal Stage Methods; Study of Petrofabrics; Modal Analysis.

452 - 502. Advanced Earth Physics

M. J. Keen, J. E. Blanchard

Hours to be arranged.

Consideration of some of the applications of physics to the study of the earth.

453 - 503. Groundwater Geology

J. F. Jones

Hours to be arranged.

Concepts on the occurrence, movement and distribution of groundwater in earth materials.

454 - 504. Geochemistry (1966 - 67)

C. G. I. Friedlaender, D H. Loring

Hours to be arranged.

Abundance and distribution of elements in the lithosphere, and special discussion of the preponderant elements and their nuclides.

455 - 505. Advanced Historical Geology (1967-68)

P. E. Schenk

Lectures and seminars. Hours to be arranged.

Prerequisite: Geology 302. The sedimentary record of the North American continent.

456 - 506. Micropalaeontology

F. Medioli

Hours to be arranged.

Marine microorganisms of particular geological interest (Foraminifera, Ostracoda, Radiolaria).

457 - 507. Pleistocene Geology (1966-67)

H. B. S. Cooke

Seminars: 2-3 hours weekly.

Consideration is given to the nature of snow and ice; movement in glaciers and ice caps; glacial erosion and deposition; glacial stratigraphy, correlation and dating methods; sea-level fluctuations; climate changes evidenced in non-glaciated regions; theories of ice ages.

458 - 508. Advanced Marine Geology

D. J. Stanley

Hours to be arranged.

Review of recent developments in marine geology.

521. Statistical Techniques in Geology

D. J. P. Swift

Hours to be arranged.

520. Volcanology (1966-67)

C. G. I. Friedlaender

Hours to be arranged.

Volcanoes and volcanic products.

522. Introduction to Vertebrate Palaeontology (1967-68)

H. B. S. Cooke

Hours to be arranged.

Discussion of the major features of vertebrate evolution and the geologic history of vertebrate groups, particularly the mammals.

523. Selected Topics in Canadian Geology

G. C. Milligan

Lect.: 3 hrs.

Regional geology of selected Canadian areas is used to illustrate certain geological ideas, mainly structural.

Geology Seminar. Presentation of papers by guest speakers, members of the staff, and senior students.**Spring Course in Field Geology.** In co-operation with Mount Allison, St. Francis Xavier, St. Mary's, and Acadia 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. It is compulsory for students specializing in Geology after their third year. A fee of \$40.00 for full board is payable with the second instalment of University fees.**Graduate Studies**

Graduate studies leading to the degrees of M.Sc. and Ph.D. can be taken in different fields of Geology, including Mineralogy. See Dalhousie Calendar under Faculty of Graduate Studies.

GERMAN*Assistant Professors* Auguste Roulston, Detlev Steffen*Lecturer* Gerta Josenhans

A Language Laboratory is at the disposal of students. In elementary classes laboratory work is compulsory. Students who have completed Grade XI or XII German, or have credit in German from another institution, or come from a German-speaking country, are required to consult the Department of German before registration.

Requirements for Honours Degree**Major Programme**

YEAR I German 100; two classes from Classical Literature in Translation 100, History 100, Philosophy 100; a Social Science; a Natural Science (if not passed in Senior Matriculation; otherwise English 100).

YEAR II German 200, 202, 251; one class from Classical Literature in Translation 100, History 100, Philosophy 100; English 100 (if not taken in the first year; otherwise an Elective).

YEAR III German 301, 303; one class from German 302, 351, 352, 353; a class in the minor subject; second Social Science.

YEAR IV German 400; German 401 or 402; one class from German 401, 402, 451, 452; one class in the minor subject; an Elective.

Combined Programmes

A. Modern Languages

(The second language (ML 2) may be French or Spanish.)

- YEAR I German 100; a class in ML 2; one class from Classical Literature in Translation, History 100, Philosophy 100; a Social Science; a Natural Science (if not passed in Senior Matriculation; otherwise a second class from Classical Literature in Translation 100, History 100, Philosophy 100).
- YEAR II German 200; German 202 or 251; one class in ML 2, English 100; one class from Classical Literature in Translation 100, History 100, Philosophy 100.
- YEAR III German 301, 400; two classes in ML2; a second Social Science.
- YEAR IV German 400; German 401 or 402; one class from German 401, 402, 451, 353; one class in ML2; an Elective.

B. English and German

This course is arranged so that, by the choice of a seventh class in Year II, the emphasis is placed on either one of the Honours subjects.

- YEAR I German 100; English 100; a class from Classical Literature in Translation 100, History 100, Philosophy 100; a Social Science; a Natural Science (if not passed in Senior Matriculation; otherwise a second class from Classical Literature in Translation 100, History 100, Philosophy 100).
- YEAR II German 200; German 202 or 251 *OR* English 251 or 352; English 252; a second class from Classical Literature in Translation 100, History 100, Philosophy 100 (if not already taken); otherwise History 203 or 204 *OR* Philosophy 230 or 235; a second Social Science.
- YEAR III German 301, 303; English 353, 451; an Elective.
- YEAR IV German 400; one class from German 353, 401, 402, 451; English 453 or 209 or 210 or 212; English 454 or 351 or 201; an Elective.

C. Greek and German

- YEAR I German 100; Greek 100; Classical Literature in Translation 100; a Social Science 100, a Natural Science (if not passed in Senior Matriculation; otherwise Philosophy 100).

- YEAR II German 200; German 202 or 251; Greek 200; Philosophy 100 or 235; English 100.
- YEAR III German 303; German 352 or 353; Greek 300; Philosophy 235 or 240; an Elective (History 100 if possible).
- YEAR IV German 400; German 402 or 451 or 452; Greek 302; Classics 450 or a further class in Greek poetry; a second Social Science.

Classes Offered

100. Complete First Course in German

Lect.: 3 hrs.; (2-3 sections)

This class is intended for those beginning the study of German. Its objective is to help students to acquire a thorough knowledge of basic German.

200. Advanced Language Course

Lect.: 3 hrs. (2 sections)

Prerequisite: German 101 or equivalent. The objectives of the course are to develop facility in reading, writing and speaking German, and a thorough review of grammar. Work in the Language Laboratory and attendance at special oral classes are required.

201. Scientific German

Lect.: 3 hrs.

Prerequisite: German 100 or equivalent reading knowledge. The course will enable Science, Pre-Medical, Pre-Dentistry, and Engineering students to use German scientific texts. The course will not be counted as a credit towards an Arts degree.

202. Exercises in Translation from English to German

Lect.: 2 hrs.

Texts from various fields and periods will be selected.

251. German Civilization

Lect.: 2 hrs.

300. Introduction to the Study of German Literature

Lect.: 2 hrs.

A study of Poetry, Drama, and Fiction of the various periods of German Literature since the sixteenth century. Special emphasis will be laid on basic questions of literary criticism.

301. The Baroque Age

Lect.: 2 hrs.

A study of the representative writers of the seventeenth century, the era of the Reformation and Counter-Reformation, the Thirty Years' War, and the destruction of Germany.

302. The Age of Enlightenment

Lect.: 2 hrs.

A study of the revival of German culture in the Age of Enlightenment (Leibniz, Baumgarten, Klopstock, Lessing, Wieland, and others.)

303. The Period of Transition: Goethe and His Time. Part I

Lect.: 2 hrs.

From Herder to the death of Schiller, 1760-1805. A study of the writings of Hamann, Herder, Goethe, Schiller and others.

351. Composition in German

Seminar: 2 hrs.

Exercises in free composition paying attention to various literary forms, styles and idiomatic expressions.

352. German Philosophy: Aesthetic Theories

Lect.: 2 hrs.

A study of Winckelmann, Herder, Kant, Schiller, Holderlin, Schelling and Hegel. Special emphasis will be laid on the understanding and interpretation of the Greek culture.

353. Kleist and Holderlin

Seminar: 2 hrs.

A study of their writings.

400. The Period of Transition: Goethe and His Time. Part II

Lect.: 2 hrs.

A study of the writings of the later Goethe, Jean Paul, Holderlin, Kleist, Friedrich Schlegel, Novalis, Eichendorff, and others.

401. Literature and Society in the Nineteenth Century

Lect.: 2 hrs.

A study of the problems of literature in the "Age of Realism". Works of Morike, Heine, Buchner, Keller, Storm, Fontane, and others.

402. Modern German Literature

Lect.: 2 hrs.

A study of trends in modern German Literature. Hauptmann, Hofmannsthal, Rike, George, the Expressionists, Mann, Kafka, Brecht, and others.

451. Faust

Seminar: 2 hrs.

452. German Philosophy: Hegel's Phaenomenologie des Geistes

Seminar: 2 hrs.

Graduate Studies

The Department offers a graduate programme leading to the M.A. degree. Details of the M.A. programme are given under Graduate Studies.

HEBREW

Special Lecturer.....J. B. Hardie

For lecture hours, see Pine Hill Divinity time-table.

101. Introductory Hebrew

Lect.: 3 hrs.

Hebrew grammar and passages for easy reading.

202. Intermediate Hebrew

Lect.: 2 hrs.

Advanced grammar and syntax and historical reading.

303. Advanced Hebrew

Lect.: 2 hrs.

Seminar class.

HISTORY

<i>Professors</i>	P. B. Waite (Head of Dept.) G. E. Wilson, G. R. MacLean
<i>Associate Professors</i>	C. B. Fergusson, H. S. Granter
<i>Assistant Professors</i>	P. Burroughs, G. A. Rawlyk R. P. Bonine, T. K. Hareven
<i>Special Lecturers</i>	J. M. Beck, J. P. Atherton, B. Dombrowski

Honours History Programme

- YEAR I History 100, English 100, a Language course, Political Science 100, Economics 100.
- YEAR II History 220; one of: History 203, 204, 211, 205, 206; a second course in the Language chosen in the first year; One of: Political Science 5, 11, Economics 303, 302, 308; Philosophy 100 OR 200 OR Classical Literature in Translation 100 OR Science OR Mathematics if requirements not already satisfied.
- YEAR III One of: History 312/512, 313/513, 314, 341, 456/556, 467/567; one of: History 102, 200, 201, 210; History 230 OR 231; one of: English 207, 208, 452, 203; course in a minor field (Economics, English, Fine Arts, Political Science, Psychology, Sociology).
- YEAR IV Seminar course in American or Canadian History (if not taken in second year); Seminar course in European History; Two History Electives, one of which must be English History, if not already taken; Second course in minor field.

Honours Programme:**Canadian History and Related Studies**

- YEAR I History 100; French 100 OR 102; Political Science 100; Economics 100; English 100.
- YEAR II History 220; one of: History 210, 211, 312/512; Political Science; French 220 OR 202; Philosophy 100 OR 200; Science or Mathematics if requirements not satisfied.

YEAR III One of: History 201, 203; One of History 471/571, 472/572; One of: History 230, 231; French 321; History 322 (Economics 302).

YEAR IV One of: History 230, 231, 483/583; One of: History 467/567, 313/513, 314; History 470/570; English 207; Canadian Constitutional Law (In Faculty of Law).

**Honours Programme:
English and History**

See prescription under Department of English.

Classes Offered

100. History of Europe G. R. MacLean, P. B. Waite
Lect.: 3 hrs. (2 sections)

A general survey of the politics and social history of Europe from the fall of the Roman Empire to the First World War. Specific outside reading is required. *Texts*: Brinton, Christopher and Wolff, *Civilization in the West*; *Hammond's Historical Atlas*; selected paperbacks.

102. Ancient History J. B. Atherton, B. Dombrowski
Lect.: 3 hrs.

Prerequisite: History 100. A survey of the ancient world with the emphasis on the development of Greek civilization and its spread throughout the Mediterranean.

For further classes in Ancient History, see under Department of Classics.

200. The Middle Ages T. K. Hareven
Lect.: 2 hrs.

Prerequisite: History 100. Analyses the evolution of a distinct type of society in Western Europe after the Barbarian Invasions. The social, economic, and institutional developments of the High Middle Ages, with particular emphasis on intellectual aspects, will be stressed. Recommended introductory readings: H. St. L. B. Moss, *The Birth of the Middle Ages*, 395-814.

201. European History, 1300 - 1648

T. K. Hareven

Lect.: 2 hrs.

Prerequisite: History 100. An analysis of European society in transition with special emphasis on the Renaissance, the Reformation, the Catholic Reformation, seventeenth-century scientific and philosophical movements, and the development of the State. Recommended introductory readings: Edward P. Cheyney, *The Dawn of a New Era: 1250-1453*.

203. History of Europe, 1715-1815

G. E. Wilson

Prerequisite: History 100. The chief subjects for study will be the French Revolution and the career of Napoleon. If possible, students should 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*.

204. History of Europe, 1814-1914

R. P. Bonine

Lect.: 3 hrs.

Prerequisite: History 100. An analysis of the period in terms of Liberalism, Romanticism, Conservatism, Nationalism, Industrial Society, and Imperialism.

205. History of Europe in the Twentieth Century

G. R. MacLean

Lect.: 3 hrs.

Prerequisite: History 100. A survey which includes the two world wars, political developments within the major powers, international relations between the wars, the conflict of ideologies and the Cold War in Europe. Substantial outside reading in addition to the text is a requirement. *Text*: H. Stuart Hughes, *Contemporary Europe, a History*.

206. History of Russia and the Soviet Union

R. P. Bonine

Lect.: 3 hrs.

Prerequisite: History 100. A survey from the ninth century to the present.

210. History of England to 1714 (1967-68)

H. S. Granter

Lect.: 3 hrs.

Prerequisite: History 100. Aims to describe the foundations of society and government in England after the Germanic settlement and its evolution up to the end of the Stuart era.

211. History of England since 1714

H. S. Granter

Lect.: 3 hrs.

Prerequisite: History 100. The theme of the course will be the development of modern industrial England and the adaptation of its earlier institutions to a modern society. Emphasis will be given to the nineteenth century.

220. History of Canada

G. A. Rawlyk

Lect.: 3 hrs.

Prerequisite: History 100. A general survey of Canadian social, political, and economic development since the fifteenth century. Special emphasis will be placed on the impact of European civilization upon the aborigines, the evolution of the French Canadian society, Canadian political development in the nineteenth century, and the rise of the Western protest movements in the 1920's and 30's. Preparatory summer reading might include M. Bishop, *Champlain, the Life of Fortitude*; W. J. Eccles, *Frontenac, the Courtier Governor*; W. Kilbourn, *The Firebrand*; D. Creighton, *John A. Macdonald* (2 vols.); J. Careless, *George Brown of the Globe* (2 vols.).

230. History of the United States

G. A. Rawlyk

Lect.: 3 hrs.

Prerequisite: History 100. A political, social, and economic history of the United States from the seventeenth century to the present. Preparatory summer reading should include: D. J. Boorstin, *The Americans: The Colonial Experience*; J. C. Miller, *The Federalist Era, 1789-1801*; A. M. Schlesinger, *The Age of Jackson*; P. H. Buck, *The Road to Reunion*; G. E. Mowry, *The Era of Theodore Roosevelt*; A. S. Link, *Woodrow Wilson and the Progressive Era*.

231. History of the United States, 1865-1900

D. H. Crook

To be arranged.

312/512. English Constitutional History

P. Burroughs

Prerequisite: Two classes in History. A survey of the evolution of the British constitution from the Anglo-Saxon period to the present, with special reference to the development of the monarchy, parliament, and

executive and administrative institutions. *This course is particularly recommended for students intending to proceed to the study of law.* This course may be conducted as a seminar course.

313/513. History of the British Empire and Commonwealth
P. Burroughs

Prerequisite: Two classes in History. A survey of the growth of the British Empire with emphasis on the economic and constitutional aspects of British colonial policy and practice, and on the development of the Commonwealth. This class may be conducted as a seminar course.

314. England under the Tudors and Stuarts 1485-1714
H. S. Granter

Lect.: 2 hrs.

Prerequisite: Two classes in History. An examination of the Tudor and Stuart revolutions in church, state, and society which established modern English polity before the Industrial Revolution of the late eighteenth and nineteenth centuries. This class will be conducted partly by the seminar method.

322. Canadian Economic History (Economics Dept.)
N. H. Morse

340. History of Latin America

341. History of Africa (1967-68) P. Burroughs

Prerequisite: Two classes in History. A seminar in African history, with special emphasis on European penetration and exploitation in the nineteenth century, and the growth of independence from colonial rule in the twentieth.

405. Problems in Twentieth-Century History (1967-68)
G. R. MacLean

Lect.: 2 hrs.

Prerequisite: History 19 or an approved class in twentieth-century European history. This seminar is intended primarily for students in their junior and senior years and will cover the causes of the two world wars, the peace settlement, the growth of authoritarianism in the twentieth century, and selected problems in the national histories of the major European powers. Extensive outside reading in primary and secondary sources will be required, and students will prepare papers for presentation and discussion in class.

456/566. History of Russia since 1790 R. P. Bonine

Prerequisite: History 206 or permission of the instructor. A seminar in Russian political thought and action: Slavophilism and Pan Slavism, Populism and Nihilism, Marxism.

464/564. Britain and the Empire, 1783-1855 P. Burroughs

A seminar course on the development of British Colonial policy and practice in the period between American independence and the grants of responsible government, the various movements for administrative and colonial reform, and the attitudes of Englishment to the expanding empire.

467/567. A Period in Nineteenth-Century English History
H. S. Granter

A two-hour seminar class primarily for honour and graduate students. Others may be admitted at the discretion of the instructor.

470/570. History of Canada, 1837-1896 P. B. Waite
Lect.: 2 hrs.

Prerequisite: History 100, History 220. A seminar primarily for honour and M.A. students. Other students may be admitted at the discretion of the instructor. Students will have opportunity for some training in the use of original records.

471/571. Canadian-American Relations G. A. Rawlyk

Prerequisite: History 220. A seminar course primarily for honour and graduate students. Others may be admitted at the discretion of the instructor. Emphasis will be placed on the impact of American Revolution upon Nova Scotia and Quebec, the influence of the War of 1812 and Jacksonian Democracy upon Canadian development, the reciprocity movement, the United States and Confederation, the United States and the Canadian West, the Reciprocity Crisis of 1910-11, and United States-Canadian relations from 1914 to the present.

472/572. Canadian History with a special reference to Nova Scotia
C. B. Fergusson

Lect.: 2 hrs.

Prerequisite: History 220. A seminar class for honour and graduate students. All others must obtain the consent of the instructor. Students will have opportunity for some training in the use of original records.

473/573. Politics in Nova Scotia since Confederation
J. M. Beck, G. A. Rawlyk

A seminar course with Political Science Department for honours and graduate students. Other students may be admitted with special permission of the instructor.

480/580. New England in the Seventeenth and Eighteenth Centuries
G. A. Rawlyk

A seminar class primarily for honour and graduate students. Others may be admitted at the discretion of the instructor. Stress will be placed upon social, intellectual, and political developments in New England in the seventeenth and eighteenth centuries.

481/581. The American Revolution, 1763-1787 (1967-68)
P. Burroughs

Prerequisite: History 100 and the approval of the instructor. A seminar class on the causes of the American Revolution and the framing of the constitution.

483/583. The United States, 1900-1939 T. K. Hareven

Lect.: 2 hrs.

Prerequisite: History 230 or 231. A seminar with special emphasis on the impact of American thought on social and political reform during the Progressive Era, the First World War, the 1920's, and the New Deal.

Graduate Studies

An M.A. programme in History is offered. Details may be found in the Graduate Studies section of the calendar.

MATHEMATICS

Professors A. J. Tingley (Head of Dept.)
J. G. Adshead

Associate Professor M. Edelstein

Assistant Professors E. L. Heighton, H. D. Cochrane,
J. R. Baines (Applied Mathematics),
E. B. Mercer (Part-time), G. Steiner,
L. Artiaga, P. Basavappa,
R. B. Reed, M. J. L. Kirby

Students who wish to take Honours in Mathematics should consult the Head of the Department before the end of the first year.

Honours in Mathematics

Major Programme B.A.

The following programme will normally be followed by students who plan to take a B.A. with Honours in Mathematics. Adjustments which do not conflict with the general regulations may be made.

YEAR I Mathematics 100, English 100, one class from group A, one class from group C, and one class from group D in addition to Mathematics 100.

YEAR II Mathematics 200, one other Mathematics class numbered above 200, one class from group B, one from group C, and one other class.

YEAR III AND YEAR IV Seven classes in Mathematics of which at least four will be numbered 300 or above and at least two 400 or above, together with three additional classes which conform with the general regulations.

Major Programme B.Sc.

The following programme will normally be followed by students who plan to take a B.Sc. with Honours in Mathematics. Adjustments which do not conflict with the general regulations may be made.

YEAR I Mathematics 100, Physics 110, English 100, a modern language (usually French, German, or Russian), a class from group C.

YEAR II Mathematics 200, one other Mathematics class numbered above 200, a class in Physics, two classes from group A, B or C (a second class in the language taken in Year I is strongly recommended).

YEAR III AND YEAR IV Seven Honours classes in Mathematics of which at least four will be numbered 300 or above and at least two 400 or above, together with three additional classes which conform with the general regulations.

Classes Offered

Alterations may be made in the list below at the beginning of the academic year. Students are asked to check, at the time of registration, with notices on the department and University bulletin boards.

001. Mathematical Analysis

Lect.: 3 hrs.

Prerequisite: Grade XI Algebra and Geometry. This class is only for students registered before 1966. Algebra, including coordinates, graphs, logarithms, the binomial theorem, matrices and determinants, plane trigonometry, including the addition theorems and theoretical solution of triangles. Introduction to analytic geometry.

100. Calculus, With Analytic Geometry

Lect.: 3 hrs.

Prerequisite: Grade XII Mathematics. Grade XIII from Ontario, including Algebra, Geometry and Trigonometry. Review of functions and

analytic geometry of two dimensions. Limits. Derivatives and Integrals. Convergence of infinite series. Analytic geometry of three dimensions.

118. Elementary Topology

Lect.: 3 hrs.

Prerequisite: Registration in Mathematics 100. Sets and mappings. Topological spaces and homeomorphisms. Surfaces, two-sidedness and orientability. Euler's theorem on polyhedra. Metric spaces and metric topology. Connectedness and compactness. Topics in the topology of the plane.

Intermediate Classes

200. Advanced Calculus

Lect.: 3 hrs.

Prerequisite: Mathematics 100. The real and complex number systems. Infinite series. Partial derivatives and applications. Further work on integration (line, multiple, surface, and contour integrals). Analytic function theory. Differential equations.

203. Algebra

Lect.: 3 hrs.

Prerequisite: Mathematics 100. Integral domains, factorization of integers, the field of rational numbers. Vector spaces, linear transformations and matrices, inversion of matrices. Polynomial domains, factorization of polynomials, solution of polynomial equations.

204. Matrix Algebra

Lect.: 3 hrs.

Prerequisite: Mathematics 100. Algebra of Matrices. Abstract vector spaces. Linear equations. Linear transformations. Representation of linear transformations by matrices. Normal forms for matrices, including Jordan normal form. Determinants. Quadratic forms. Applications.

205. Projective Geometry

Lect.: 3 hrs.

Prerequisite: Mathematics 100. The study of invariants under the group linear transformations in the plane. Projective properties of lines and conics. Special subgroups leading to affine geometry and the metric geometries obtained by means of the absolute conic.

206. Probability and Mathematical Statistics

Lect.: 3 hrs.

Prerequisite: Mathematics 100. Elementary probability theory will be introduced and numerous applications considered. Topics in mathematical statistics will include measures of central tendency and dis-

persion, significance tests, confidence intervals, analysis of variance, correlation, etc.

208. Calculus for Engineers

Lect.: 3 hrs.

Prerequisite: Mathematics 100. This class will contain a revision and amplification of previous work but it will also include some work that is given in Mathematics 200 and Mathematics 220, 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.

220. Applied Mathematics

Lect.: 3 hrs.

Prerequisite: Registration in Mathematics 200. Vectors, tensors, matrices, and determinants. Contour integration and calculus of residues. Operational calculus and transform theory. Introduction to orthogonal function theory, including Fourier series.

227. Numerical Methods and Fortran Programming

Lect.: 3 hrs.

Prerequisite: Mathematics 100. Fortran programming applied to practical computing methods. Numerical differentiation, integration, interpolation, solution of algebraic equations. Linear systems and differential equations. *Text*: McCracken and Dorn. Numerical Methods and Fortran Programming.

228. Applied Mathematics for Engineers

Lect.: 3 hrs.

Prerequisite: Mathematics 100. Vector algebra, including differential operators. Differential equations, infinite series, multiple integrals and line integrals. Introduction to complex variables, numerical approximations. This course is designed for engineering students who do not take Mathematics 200 and 220.

Advanced Classes

Mathematics 200 is prerequisite for these advanced classes.

301. Theory of Functions of a Real Variable

Lect.: 2 hrs.

Elements of sets of points, limit theorems, uniform convergence, special functions, Fourier series, Lebesgue integration.

302. Theory of Functions of a Complex Variable

Lect.: 2 hrs.

Complex plane, elementary functions, conformal mappings, power series, Laurent series, Cauchy's integral theorem, calculus of residues, Riemann Mapping theorem.

303. Modern Algebra

Lect.: 2 hrs.

Finite groups, homomorphisms, composition series, Abelian groups, algebraic fields, extension field, root fields of polynomials, the Galois group, Galois theory of equations.

304. Foundations of Mathematics

Lect.: 2 hrs.

Elements of set theory, cardinal and ordinal numbers; choice axiom, Zorn's lemma, well ordering principle, axiom of comparability, continuum hypothesis. Second term deals with an axiomatic development of real numbers and a study of their topological structure.

305. Differential Geometry and Tensor Analysis

Lect.: 3 hrs.

Classical theory of curves and surfaces in three dimensions, leading to the finding of curvature and geodesics as dependent only on the surface metric. Surfaces of constant curvature and the derivation of the geometry and trigonometry of the plane, the sphere and the pseudosphere. Tensors, including vectors, and their application to the previous surface theory and their use in Riemannian geometry.

306. Probability

Lect.: 2 hrs.

Topics covered will include axiomatic probability, Markov chains, probability distributions. Various distribution functions will be derived.

312. Differential Equations

Lect.: 2 hrs.

This course will take up the work of differential equations as begun in Mathematics 200 and will mainly discuss ordinary differential equations, and, in particular, linear equations. Laplace's equation will be discussed and solutions found of the equations of Bessel and Legendre.

315. Functional Analysis

Lect.: 2 hrs.

Metric spaces and metric topology. Compactness and completeness. Isometrics and contractions. Linear spaces, convexity, linear operators. Normed linear spaces, functionals and extensions. Reflexibility, weak convergence and weak topologies. Strictly and uniformly convex spaces.

Hilbert space. Operators: spectrum, resolvent. Completely continuous operators. Topics in nonlinear functional analysis.

320. Numerical Analysis

Lect.: 2 hrs.

Among the topics to be discussed will be interpolation, finite differences, numerical solution of differential equations, error detection and correction, asymptotic expansions, and programming, logic, and operations of digital computers. Students will do computing with desk calculators, and some time will be available for operation of the automatic digital computer.

330. Methods of Operations Research: Deterministic Models

Lect.: 2 hrs.

Prerequisite: Mathematics 200. The development of algorithms for the optimization of linear functions subject to linear constraints. Theory and computational aspects of the simplex and dual method. Transportation and network problems. Topics in sensitivity analysis and game theory. Problems in integer, quadratic, nonlinear and dynamic programming. Use of Lagrange Multipliers. Applications to problems of finding economic optima in industrial operations will be stressed. Specific topics will include applications to production scheduling and sequencing, capital budgeting decisions, allocation of resources, and optimization in economics at the levels of the firm and the economy.

403. Advanced Modern Algebra

Lect.: 2 hrs.

Prerequisite: Mathematics 303. This course will take up topics in Modern Algebra beyond the level of Mathematics 303.

414. Banach Spaces and Linear Operators

Lect.: 2 hrs.

Prerequisites: Mathematics 301. Linear operators, dual spaces, bases, weak topologies. Separation and extension theorems. Hilbert spaces. Spectral theory. Banach algebras.

418. Introduction to Algebraic Topology

Lect.: 2 hrs.

Prerequisite: Mathematics 200 plus one or more courses at the third year level. Simplex and simplicial complexes. Barycentric subdivisions and simplicial approximation. Chains, Boundaries, cycles and homology groups. Invariance. Computation of homology groups. Elements of homotopy. Outline of modern developments.

420. General Topology

Lect.: 2 hrs.

Prerequisite: Mathematics 200 together with one or more courses at the third year level. Topological spaces: Relativization, bases, compactness, connectedness. Moore-Smith Convergence: Nets, subnets, and convergence classes. Product and quotient spaces. Embedding and metrization. Compactifications. Uniform spaces and completion problems. Function spaces.

421. Eigenvalue and Boundary Value Problems

Lect.: 2 hrs.

Work in analysis and differential equations beyond Mathematics 200 is prerequisite. Eigenvalue problems in theory of matrices and of difference, differential and integral equations. In particular, the sets of orthogonal functions generated by Sturm-Liouville problems will be treated together with their application to the solution of the partial differential equations of physics.

425. Representation Theory

Lect.: 2 hrs.

Prerequisite: Mathematics 200 and one or more courses at the third year level. Groups of linear transformations, representations of the groups by the groups of linear transformations. Equivalence of two representations. Topological groups. Lie algebras of transformations. Applications to quantum mechanics. Classification of energy levels. The Schrodinger equation.

430. Methods of Operations Research: Probabilistic Models

Lect.: 2 hrs.

Prerequisite: Mathematics 200 and 306. The theoretical and quantitative methods of inventory and queueing theory. Topics will include Poisson and Compound Poisson Processes, recurrent events, renewal theory, birth and death processes, and Markov processes. Properties of inventory systems, construction and solution of elementary models, extensions to systems of numerous items, and choice of optimum inventory policies will be emphasized. Applications to problems in traffic and queueing will also be discussed.

Graduate Studies

Students who wish to work toward a Master's degree in Mathematics may do so in Arts and Science, it being usually necessary to spend two full years after obtaining a B.A. or B.Sc. degree or one year after an Honours degree. For details of such courses, see Dalhousie Calendar under Faculty of Graduate Studies.

MUSIC

Assistant Professor.....D. F. Wilson

101. History and Appreciation of Music

Lect.: 3 hrs., M.W.F. 9:30

Intended primarily for students who have not studied music. The class provides 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: Grout, *A History of Western Music*.

102. Music in the Twentieth Century

Lect.: 2 hrs., M.W.F. 10:30

Music 1. Traces the development of music from the late nineteenth century to the present, with a study of the leading composers of the twentieth century. Texts: Machlis, *Introduction to Contemporary Music*; Grout, *A History of Western Music*.

PHILOSOPHY

Professors.....F. H. Page (Head of Dept.), D. Braybrooke
Associate Professors.....R. H. Vingoe, I. A. MacLennan
Lecturer.....B. J. Aston
Special Lecturers.....J. A. Doull, R. D. Crouse

The General Course with a Major in Philosophy

There are no special departmental stipulations. It should be noted, however, that for admission to graduate study the minimum requirement is four classes in Philosophy, beyond Philosophy 100, including Philosophy 200 and Philosophy 230. All students proposing to take the General Course with a Major in Philosophy should consult Professor I. A. MacLennan.

The Honours Course in Philosophy

Students intending to specialize in Philosophy should take the Honours Course. It is the normal preparation for graduate study.

The prerequisite class, Philosophy 100, should be taken in the first year, together with a language (French or German or Latin or Greek), a social science, unless exempted, English and a class in science or mathematics. If exemptions are permitted Philosophy 200 may be taken in the first year, in addition to Philosophy 100, and another class in Philosophy substituted in the second year. While normally begun in the second year, the Honours course may be entered in the third year, with the permission of the Department, if a satisfactory grouping of the classes can be arranged. Beyond the work of the

first year, the Honours course generally consists of nine classes in Philosophy, two classes in a minor subject approved by the Department, and four elective classes in at least two subjects other than Philosophy. A suggested order of classes is as follows:

- YEAR I Philosophy 100; four other first-year classes as stated above.
- YEAR II Philosophy 200; Philosophy 205 or 210; Philosophy 230; minor; elective.
- YEAR III Philosophy 210 or 205; Philosophy 320*; one other class in Philosophy; minor; elective.
- YEAR IV Three classes in Philosophy including Philosophy 320*; if not already taken; two electives.

NOTE: The effect of the general regulations for the degree of B.A. with Honours is to require the inclusion among the ancillary classes of Classics 100 or History 100, and a class in a second subject in Social Science.

There will be a comprehensive examination at the end of the final year.

Each student's Honours programme will be arranged individually in consultation with the Department and in relation to the student's special interests.

All students wishing to take Honours should consult Professor I. A. MacLennan.

Combined Honours in Philosophy and Economics

- YEAR I Philosophy 100; Economics 100; a modern language; Political Science 100 or Sociology 100; Mathematics 100.
- YEAR II Philosophy 200; Philosophy 210; Economics 200; Economics 202; English 100.
- YEAR III Two classes in Philosophy, including one of Philosophy
AND 205, 230, 320; three classes in Economics, including Eco-
YEAR IV nomics 201; History 100; two Electives.
- Philosophy 340 (same class as Economics 407); an advanced class in either Philosophy or Economics.

* Philosophy 320 is offered only in alternate years. If offered in a student's third year it must be taken then; if not, it is to be deferred until the fourth year, and another class in Philosophy taken in its place in the third year.

Combined Honours in Philosophy and English

- YEAR I Philosophy 100; English 100; French or German or Latin or Greek; a Social Science; a Science or Mathematics (or, if exempted, History 100 or Classical Literature)
- YEAR II Philosophy 200 or 205 or 210; English 252; English 251 or 352; a second subject in Social Science; a second language class (in the same language as chosen in Year I)
- YEAR III A second choice from Philosophy 200, 205, 210; Philosophy 230; English 353; English 251 or 452; History 211 or 204, if History 100 taken in Year I; if not, then History 100.
- YEAR IV Philosophy 235 or 240; one of Philosophy 315, 320, 325, 330; one other class in Philosophy; one of English 453, 209, 208; one elective chosen from History, Classics, Modern Languages, Fine Art, Music.

Combined Honours in Philosophy and Political Science

- YEAR I Philosophy 100; Political Science 100; English; a foreign language; a class in Science or Mathematics.
- YEAR II, III and IV There are two options. In option A, the student takes four or five classes in Philosophy and seven or six in Political Science. In option B, the proportions are reversed.

Option A:

Three classes from Philosophy 200, 205, 210, 230, 320, of which at least one is to be taken in each of Years II and III; and one or two classes in Philosophy.

Two classes from Political Science 240, 242, 244, 246, 340*; two classes in Political Science not in this group; and two or three classes in Political Science freely chosen.

Option B:

Four classes from Philosophy 200, 205, 210, 230, 320, of which one at least is to be taken in each of Years II and III and three before Year IV; and two or three other classes in Philosophy.

One class from Political Science 240, 242, 244, 246, 340*; two classes in Political Science not in this group; and one or two classes in Political Science freely chosen.

* Political Science 340, the Seminar in Philosophy, Politics and Economics, is the same class in Philosophy 340. It may be counted either among the Philosophy classes making up the combined programme, or among the Political Science classes, but not both.

In addition students electing either Option will in the second year take a second subject in the Social Sciences and a second subject in the Humanities; and in each of the third and fourth years, an elective.

Combined Honours in Philosophy and Psychology

- YEAR I Philosophy 100; Psychology 100; a foreign language; English 100; a class in Science or Mathematics.
- YEAR II Philosophy 200; one of Philosophy 205, 210, 230; Psychology 200; Psychology 201; Classics 100 or History 100; OR Economics 100 or Political Science 100 or Sociology 100.
- YEAR III Two of Philosophy 205*, 210*, 230*, 320†; or, if Philosophy 320 is chosen and deferred to Year IV, one of Philosophy 205*, 210*, 230*, and one other class in Philosophy; Psychology 357; one of Psychology 304, 305, 306, 308, 309, 310, 312; Classics 100 or History 100; if not taken in Year II; or Economics 100 or Political Science 100 or Sociology 100; if not taken in Year II.
- YEAR IV One class in Philosophy which may be Philosophy 320, if Philosophy 320 was not taken in Year III; Psychology 470; two Electives; one other class in Philosophy or Psychology 465.

Combined Honours in Philosophy and Sociology

- YEAR I Philosophy 100, Sociology/Anthropology 100, Foreign Language; History; a class in Science or Mathematics.
- YEAR II Philosophy 200, Philosophy 230; Sociology 202; English; Elective.
- YEAR III Two of Philosophy 205, 210, 320; Sociology 301, 305; Elective.
- YEAR IV Two classes in Philosophy; two classes of Year III or IV Sociology; Elective.

Classes Offered

- 100. An Introduction to Philosophy** I. A. MacLennan
B. J. Aston

Lect.: 3 hrs. (2 sections)

An introduction to the nature of philosophical problems in general and method in philosophy. The course will provide a short introduction to

* If not taken in Year II.

† Philosophy 320 is offered in alternate years.

logic, and a critical examination of the views of Plato on such topics as the nature of the soul; the nature of justice; and the nature and possibility of human knowledge. Time will also be devoted to such questions as the nature of factual knowledge; the possibility of knowledge in general; the nature of scientific or natural law; the nature of truth. The course is not a survey of the history of philosophy.
Texts: Plato, *Republic* (ed. Cornford); Russell, *The Problems of Philosophy*.

200. Logic

I. A. MacLennan

Lect.: 3 hrs.

The course will begin by developing deductive techniques. Standard notations, methods and principles for determining the validity and invalidity of arguments will be used, and there will be a considerable amount of practice in the processes of symbolic logic. Philosophical problems concerning the foundations of Logic and Mathematics will then be treated. *Texts:* Copi, *Symbolic Logic*; Kneale, *The Development of Logic*; Korner, *The Philosophy of Mathematics*; Nagel and Newman, *Godel's Proof*; Quine, *Methods of Logic*; Suppes, *An Introduction to Logic*.

205. Epistemology

B. J. Aston

Two lectures and a seminar each week.

Prerequisites: Philosophy 200. An investigation of the main problems encountered in analysing human knowledge, and an examination of traditional and contemporary approaches to these problems.

Texts: Hume, *A Treatise of Human Nature*, Book I; Lewis, *Mind and the World Order*; Strawson, *Individuals*.

210. Ethics

D. Braybrooke

Lect.: 3 hrs.

Prerequisite: Philosophy 100. After a preliminary survey of the range of ethical teachings, ancient and modern, the reasons for skepticism about there being universal foundations for ethics will be investigated and the peculiar features of ethical discourse will be explicated. Then the ethical theories of Hume, Kant and Bentham will be closely studied and reconciled so far as possible with each other and with the demands of the present age. *Texts:* Mothersill, *Ethics*; Wellman, *The Language of Ethics*; Hume, *Treatise of Human Nature* and *Inquiry Concerning the Principles of Morals*; Kant, *Foundations of the Metaphysics of Morals* (tr. Beck) and *Critique of Practical Reason* (tr. Beck); Bentham, *Principles of Morals and Legislation*.

215. Philosophy and Science

R. H. Vingoe

Lect.: 2 hrs.

Prerequisite: Philosophy 100 or first-year Science complete. Others may be admitted with the permission of the instructor.

The purpose of this course is to introduce students to philosophy in two ways: primarily, through an examination of scientific method; secondarily, through an account of the influence of various interpretations of scientific method upon the philosophy of religion. *Texts*: Madden, *The Structure of Scientific Thought*; Burt, *Types of Religious Philosophy*.

220. Philosophy of Religion I (1966-67, and in alternate years) F. H. Page

Lect.: 2 hrs.

Prerequisites: Philosophy 100. An introduction to the philosophy of religion. The identification and clarification of religious concepts, and the uses of religious language, are first discussed. The theistic arguments and counter-arguments are examined and the epistemological status of divine revelation, religious experience, and religious faith investigated. Other topics include the problem of evil, immortality, the relation of science to religion, and the religious alternatives to theism. *Texts*: Alston, *Religious Belief and Philosophical Thought*; Pike (ed.) *God and Evil*; Hick, *The Philosophy of Religion*.

225. Philosophy of Religion II (1967-68, and in alternate years) F. H. Page

Lect.: 2 hrs.

Prerequisite: Philosophy 100 or Psychology 100. An introduction to the contemporary psychology of religion, particularly the Freudian. The psychology of the moral conscience and the development of religious forms of behaviour through the life-history of the individual are discussed. Conversation, prayer, ritual, worship and mystical experiences are considered in the light of current theories of learning, motivation and personality. *Texts*: Clark, *The Psychology of Religion*; Freud, *The Future of an Illusion*; Philp, *Freud and Religious Belief*; Allport, *The Individual and his Religion*; Argyle, *Religious Behaviour*; Thouless, *An Introduction to the Psychology of Religion*; James, *The Varieties of Religious Experience*.

230. General History of Philosophy R. H. Vingoe

Lect.: 3 hrs.

Prerequisite: Philosophy 100. The purpose of this course is to help students discover those philosophic traditions which have entered into the moulding of western civilization and still persist in the contemporary world. Since the field of study is large, an attempt will be made to concentrate upon some of the greatest and most influential of western philosophers. *Text*: Jones, *A History of Western Philosophy*.

235. Ancient Philosophy R. H. Vingoe, R. D. Crouse

Lect.: 2 hrs.

Prerequisite: Philosophy 100. The first term (until Christmas) will

be devoted to the history of Greek philosophy from Thales to Plato; the second term to the later history of ancient thought from Aristotle to St. Augustine. *First term texts*: Kirk and Raven, *The Pre-Socratic Philosophers*; Hamilton and Cairns, *The Collected Dialogues of Plato*.

240. History of Medieval Philosophy R. D. Crouse

Lect.: 2 hrs.

Prerequisite: Philosophy 100. A study of the development of philosophy from the fifth century to the fifteenth, with special attention to Anselm, Thomas Aquinas, and William Occam. *Texts*: to be announced.

315. Rationalism and Empiricism (1967-68 and alternate years) R. H. Vingoe

Lect.: 2 hrs.

Prerequisite: Philosophy 100. The purpose of this course is to acquaint students with some of the dominant themes of early modern western philosophy. Particular attention will be paid to Locke, Berkeley, Hume, Descartes, Spinoza, and Leibniz. *Texts*: Smith and Grene, *Philosophers Speak for Themselves* (two volumes: *Descartes to Locke* and *Berkeley, Hume, and Kant*).

320. The Philosophy of Kant (1966-67 and alternate years) I. A. MacLennan

Seminar: 2 hrs.

Prerequisite: Philosophy 100. A seminar devoted to an intensive study of the *Critique of Pure Reason*. However, other aspects of Kant's philosophy will also be treated, and an attempt will be made to relate his philosophy as a whole to that of his predecessors and contemporaries. Finally, his influence on later philosophers will be considered. *Text*: Kant, *Critique of Pure Reason* (tr. Norman Kemp Smith).

325. Contemporary Continental Philosophy (1967-68 and alternate years) I. A. MacLennan

Seminar: 2 hrs.

Prerequisite: Philosophy 100. This class will begin with a study of works by Kierkegaard and Nietzsche. The development of existentialist philosophy will then be traced to the present day and contrasted with other philosophical traditions. Particular reference will be made to works of Heidegger, Jaspers, Sartre, Marcel and Buber. *Texts*: Reinhardt, *The Existentialist Revolt*; Nietzsche, *The Birth of Tragedy and The Genealogy of Morals*; Kierkegaard, *Fear and Trembling* and *The Sickness unto Death*; Jaspers, *Reason and Existenz*; Sartre, *Existentialism and Humanism* and *The Transcendence of the Ego*; Marcel, *The Philosophy of Existentialism*; Buber, *Eclipse of God*; Urnson, *Philosophical Analysis*.

330. Twentieth Century British Philosophy (1967-68 and alternate years) B. J. Aston

Two lectures and a seminar each week.

Prerequisite: Philosophy 100. A survey of the development of British Philosophy from Bradley's idealism to contemporary conceptual analysis. *Texts:* Warnock, *English Philosophy Since 1900*; Urmson, *Philosophical Analysis*.

335. Philosophical Analysis (1966-67 and alternate years) B. J. Aston

Two lectures and a seminar each week.

Prerequisite: Philosophy 100. A large part of the first term will be devoted to an examination of the nature of analysis as a philosophical method. The remainder of the course will be spent studying how this method can be applied to specific philosophy of mind. *Texts:* Flew, *Logic and Language* (first and second series); Ryle, *The Concept of Mind*; Austin, *Philosophical Papers*; Wittgenstein, *Philosophical Investigations*; Feigl and Sellars, *Readings in Philosophical Analysis*.

340. Philosophy, Politics, and Economics D. Braybrooke
Seminar : 2 hrs.

Prerequisite: Philosophy 100. Various topics on which the subjects of philosophy, political science, and economics converge will be investigated, among them: standards for evaluating governments such as natural rights, welfare, majority rule, and efficiency; the concept of rational action; the relationship between action explanations and behaviour explanations in social science; and the uses of social science in making decisions and choosing policies. Readings in such authors as Aristotle, Butler; Hicks, Little, Boulding; Marx, Weber; Herring, Downs, Arrow, Schelling; Popper, Dahl and Lindblom, and Simon.

345. Problems of the Self F. H. Page
Lect.: 3 hrs.

Prerequisite: Philosophy 100. An investigation, historical and topical, of the theories of mind and person. Personal identity, the nature of mind, the relation of mind and body, minds and machines, and our knowledge of other minds are among the topics treated. *Texts:* Broad, *The Mind and its Place in Nature*; Ellis, *The Idea of the Soul in Western Philosophy and Science*; Russell, *The Analysis of the Mind*; Laslett (ed.) *The Physical Basis of Mind*; Mounier, *Personalism*; Ryle, *The Concept of the Mind*; Wisdom, *Problems of Mind and Matter*; Chappell (ed.), *The Philosophy of Mind*; Scher (ed.), *Theories of the Mind*.

460/560. Contemporary Philosophy of Religion (1967-68 and alternate years) F. H. Page

Seminar: 2 hrs.

Graduate Studies

The Department of Philosophy provides opportunities for graduate study leading to the degree of Master of Arts in the History of Philosophy, Metaphysics, Epistemology, the Philosophy of the Mind, Ethics, Semantics and Logic, Philosophical Analysis, existential Philosophy, Political Philosophy, and the Philosophy of Religion. For details see the Graduate section of the Dalhousie Calendar.

PHYSICS

- Professors*.....E. W. Guptill (Head of Dept.)
W. J. Archibald, J. E. Blanchard, I. K. MacKenzie
- Associate Professor*.....C. K. Hoyt
- Associate Professors (Oceanography)*.....M. J. Keen, C. R. Mann
- Assistant Professors*.....M. G. Calkin, M. H. Jericho, D. Kiang,
G. F. O. Langstroth, W. C. Lin, R. H. March,
G. Stabilini
- Lecturer*.....C. G. White
- MacGregor Teaching Fellow*.....J. F. Boulter
- Post Doctoral Fellow*.....H. E. Loh

The following table shows the classes normally taken by an Honours student in Physics. All students who intend to take the Honours course are encouraged to discuss their programme with staff members of the department and to consult with the head of the department before registering:

Year	Arts	Science	Mathematics	Physics
I	English 100 Language 100	Chem. 100	Math. 100	Phys. 110
II		Elective	2 Math classes	Phys. 220, 230
III		Elective	Math class	Phys. 300, 310 Phys.330, or 335
IV		Elective		Phys. 400, 410, 415, 420

Students assisting in the undergraduate laboratories are required to be present for the two weeks preceeding the beginning of classes.

Classes Offered

100. General Physics I. K. MacKenzie, C. G. White

Lect.: 3 hrs.; Lab. 3 hrs.

This is a survey course requiring no previous preparation in physics, and offered primarily for students in Arts, Pre-medicine, Pre-dentistry, and Pharmacy. It will not normally be accepted as a prerequisite to advanced courses in Physics unless exceptional circumstances arise. Topics include mechanics, heat, light, sound and electricity.

Text: Orear, *Fundamental Physics*.**110. Mechanics, Electricity and Magnetism** E. W. Guptill

Lect.: 3 hrs. (2 sections); Lab.: 3 hrs.

This is a prerequisite to all subsequent Physics courses. Previous knowledge of Physics is an asset, but is not essential. A course in calculus must be taken concurrently if the student has not previously studied calculus.

Text: Sears and Zemansky, *College Physics*.**220. Heat, Sound and Light** C. K. Hoyt

Lect.: 3 hrs.; Lab. 3 hrs.

Prerequisite: Physics 110, Mathematics 100.

An introduction to thermodynamics and various types of wave motion.

Text: Shortley and Williams, *Elements of Physics*, 4th Edition.**230. Electricity and Magnetism** M. G. Calkin

Lect.: 3 hrs.; Lab. 3 hrs.

Prerequisite: Physics 110, Mathematics 100.

Topics discussed include: non-linear ohmic devices; response of circuits involving resistors, inductors and capacitors to step and sinusoidal inputs; filters; Fourier Series; electrostatics; magnetostatics; Faraday's law.

Text: Winch, *Electricity and Magnetism*.**300. Intermediate Physics Laboratory** R. H. March

Lab.: 6 hrs.

Prerequisite: Physics 230 and two additional classes in Physics (which may be taken at the same time). Students' attention is drawn to the fact that Physics 300 and 400 are laboratory classes which must be taken in conjunction with advanced undergraduate classes in Physics.

310. Intermediate Mechanics W. C. Lin

Lect.: 3 hrs.

Prerequisite: Mathematics 100.

The first half of the course covers vector calculations, dynamics of a single particle, of a system of particles and of rigid bodies. The second half covers principles of dynamics, Lagrange's equations and small oscillations.

330. Electromagnetic Theory W. J. Archibald

Lect.: 3 hrs.

Prerequisite: Physics 230.

Maxwell's equations are derived from the experimental laws of electricity and magnetism. Boundary value problems in static and time-dependent fields are solved. Physical optics is developed from electromagnetic theory.

Text: Reitz and Milford, *Foundations of Electromagnetic Theory*.**335. Electronics** A. Levin

Lect.: 3 hrs.

Prerequisite: Physics 230, Mathematics 200 or 228 to be taken concurrently.

Non-linear systems. Modulation and demodulation, rectification. Electromechanical analogues. Analogue computation. Servo systems, stability and control criteria. Solid state devices, characteristics, applications and computations. Noise and information concepts. Elements of information theory. Filters and transmission lines. Radiation and propagation.

340. Waves in Layered Media M. J. Keen

Lect.: 3 hrs.

Prerequisite: Physics 220, 230 and Mathematics 100.

Consideration of waves propagated through media with changing physical properties.

Text: L. M. Brekhovskikh, *Waves in Layered Media*.**400. Advanced Physics Laboratory** A. Levin

Lab.: 6 hrs.

Prerequisite: Physics 300.

410. Introduction to Mathematical Physics G. Stabilini

Lect.: 3 hrs.

Prerequisite: Physics 330.

Topics will include advanced classical dynamics of both discrete and continuous systems, relativity, elasticity and heat flow. Mathematical techniques used will include operator formalism, matrices, tensors,

calculus of variations. Dynamics will be formulated so as to stress the similarities to quantum mechanics.

Text: Corben and Stehle, *Classical Mechanics*.

415. Quantum Physics

C. K. Hoyt

Lect.: 2 hrs.

Special relativity and quantum mechanics are applied to a wide range of problems in modern physics.

Text: Leighton, *Principles of Modern Physics*.

420. Thermodynamics and Statistical Mechanics

W. C. Lin

Lect.: 3 hrs.

Prerequisite: Physics 230.

The course covers the first and second laws of thermodynamics and their application to simple thermodynamic systems and to chemical reactions. It also covers kinetic theory and transport phenomena. In statistical mechanics, the microcanonical and grand canonical ensembles, and Bose-Einstein and Fermi-Dirac statistics are discussed and applied to gases, electrons in metals, and low temperature physics.

Text: Morse, *Thermal Physics*, and Reif, *Fundamentals of Statistical and Thermal Physics*.

435. Physical Electronics

G. F. O. Langstroth

Lect.: 3 hrs.

Prerequisite: Physics 230.

The physics of electronic devices important in modern applications is considered. Vacuum tube and semi-conductor concepts, amplification as an energy conversion process, electron optics and plasma physics are a typical selection of subjects.

440. Geophysics

J. E. Blanchard

Lect.: 2 hrs.

Prerequisite: Physics 230.

Boundary value problems in potential theory, quasi-static and time-dependent electromagnetic fields, static and dynamic elastic energy field, and heat flow.

445. Wave Propagation

J. E. Blanchard

Lect.: 2 hrs.

Prerequisite: Physics 230.

This is a class designed for students in Engineering Physics. It includes a study of electromagnetic and acoustic waves. Special emphasis

is given to the propagation of electromagnetic energy in waveguides and other boundary value problems in cylindrical coordinates.

Graduate Studies

Courses leading to the advanced degree of M.Sc. and Ph. D. are also offered by the Department of Physics. For details see the section on the Faculty of Graduate Studies in the Dalhousie Calendar.

POLITICAL SCIENCE

Professors.....J. H. Aitchison (Head of Dept.)
J. M. Beck, D. Braybrooke

Associate Professor.....K. A. Heard

Assistant Professor.....D. W. Stairs

Students majoring in the General Course or taking a major or combined Honours programme should consult the Department about their programme. They are advised to concentrate in one of the three principal areas of the subject in accordance with the following scheme.

Principal Area	Three or More Classes Selected From:
Political Philosophy	240, 242, 244, 246
Structure and functioning of the State	200, 205, 210, 215, 217, 230, 235, 310, 316
International Politics	217, 220, 225

To avoid undue specialization, students should also take one or more classes outside the field of their concentration.

With the permission of the professor concerned, courses in Political Philosophy and International Politics may be taken by students who have not taken Political Science 100.

Recommended Programme for General B.A. with Major in Political Science

YEAR I Political Science 100; History 100 or Philosophy 100; English 100; a foreign language; a Science or Mathematics.*

* If required. If not required, another 100 class in Philosophy, History, Economics or History. In this case, another elective may be taken in a later year.

YEAR II Two courses in Political Science at the 200 level; Philosophy 100 or History 100; Economics 100 or Sociology 100; an Elective.

YEAR III Three classes in Political Science at the 200 or 300 level; a class above the 200 level in History, Philosophy, Economics or Sociology.

Major Programme for Honours in Political Science

YEAR I Political Science 100; Sociology 100 or Economics 100; History 100 or Philosophy 100; a class in Science or Mathematics*; a foreign language.

YEAR II Two classes in Political Science at the 200 level; Philosophy 100 or History 100; Economics 100 or Sociology 100 or a class beyond the 100 level in Philosophy, History, Economics or Sociology; English -00.

YEAR III Three classes in Political Science at the 200 or 300 level; a class in History, or Philosophy or Sociology or Economics; an Elective.

YEAR IV Four classes in Political Science at the 200 or 300 level; an Elective.

Combined Honours Programme in Political Science and Philosophy

(with six or seven classes in Political Science)

YEAR I Political Science 100; Philosophy 100; English 100; a foreign language; a class in Science or Mathematics.**

YEAR II, III Two classes in Philosophy from 240, 242, 244, 246, 349†; two classes not in this group and two or three classes

& freely chosen; three classes in Philosophy from 200, 205,

IV 210, 320, of which at least one is to be taken in each of Year II and III; one or two other classes; History 100; three Electives.

See the Philosophy Section for the combined programme with six or seven classes in Philosophy.

* If required. If not required, another 100 class in Philosophy, History, Economics or Sociology which would otherwise be taken in a later year. In this case another elective may be taken in a later year.

**If required. If not required, Economics 100 or Sociology 100.

† Political Science 349, the Seminar in Philosophy, Politics and Economics, is the same class as Philosophy 349. It may be counted either among the Philosophy classes making up the combined programme, or among the Political Science classes, but not both.

Combined Honours Programme in Political Science and History

Such a programme may be arranged on consultation with the Departments.

Combined Honours Programme in Political Science and Economics

(with major concentration in Political Science)

YEAR I Political Science 100; Economics 100; a foreign language; History 100 or Philosophy 100; a class in Science or Mathematics.*

YEAR II Two classes in Political Science at the 200 or 300 level; Economics 200 and 201; English 100.

YEAR III Four classes in Political Science at the 200 or 300 level; & two classes at the 300 or 400 level; one other class from
IV either Political Science or Economics; Philosophy 100 or History 100; two Electives.

See the Economics Section for the combined programme with concentration in Economics.

Combined Honours Programme in Political Science and Sociology

(with major concentration in Political Science)

YEAR I Political Science 100; Sociology 100; a foreign language; History 100 or Philosophy 100; a class in Science or Mathematics.*

YEAR II Two classes in Political Science at the 200 level; Sociology 202 and one class at the 200 level; English 100.

YEAR III Four classes in Political Science at the 200 or 300 level; & Sociology 301 and 305 and one other class at the 300 or
IV 400 level; Philosophy 100 or History 100; two Electives.

See the Sociology Section for the combined programme with concentration in Sociology.

Classes Offered

100. Democratic Government and Politics (1966-67)

Lect.: 3 hrs.

J. M. Beck

The first part of the course examines liberal democratic, fascist, and communist ideals. This is followed by a comparative study of the governmental institutions of Britain, Canada, and the United States under such headings as the evolution of positive government; consti-

* If required. If not required, another 100 class in Philosophy or History, Economics or Sociology which would otherwise be taken in a later year. In this case another elective may be taken in a later year.

tutions and their amendment; and the working of the executive, legislative, and judicial branches; political parties; representation; pressure groups; public opinion; and fundamental civil liberties.

200. Great Britain and the Commonwealth (1966-67)

Lect.: 3 hrs.

K. A. Heard

This course includes: a study of the major factors and stages in the development of the modern Commonwealth with special reference to such questions as the changing role of the Crown, the doctrine of automatic belligerency, the right of secession and the admission of republics as members; a more advanced study of the theory and practice of the British Constitution with special reference to the problem of Cabinet responsibility; an examination of the transferability of the "Westminster model" and a study of the conduct of politics in other countries of the Commonwealth including those of Asia and Africa.

205. Theory and Practice of Government in the United States (1967-68)

D. Braybrooke

Lect.: 2 or 3 hrs.

This class considers American Government not only for its own sake, as the government of a great power, but also as the most intensively studied illustration of democratic government. After tracing the political philosophy of the American Revolution and the United States Constitution through the modifications of constitutional development, the class measures that philosophy against the realities of contemporary American politics, where the rivalry of parties and interest groups and the increasing power of the Presidency vis-a-vis Congress seem to signify great departures from the original intentions of the Republic.

210. Comparative Government: The Study of the Governments of the Great Powers including U.S.S.R., France, and Germany. (1966-67)

D. W. Stairs

Lect.: 2 or 3 hrs.

Lectures will deal first with some of the general difficulties involved in comparing political systems, and will then go on to discuss the more important political institutions and processes of the U.S.S.R., France and Germany. While the emphasis will be on contemporary conditions, some historical background will be necessary, and an attempt will be made to compare the "totalitarianism" of Nazi Germany with that of the Soviet Union. A text will be assigned but students will be expected to supplement it with outside reading.

215/515. The Constitution and Government of Canada (1967-68)

J. M. Beck

Seminar: 2 hrs.

A seminar course in which papers on contemporary problems in Canadian government are prepared and discussed by members of the class. Among the topics to be considered are: the adequacy of the

Fulton-Favreau formula for "repatriating" the B.N.A. Act; the retention of the federal power to disallow provincial legislation; the right of the Governor-General to refuse dissolution; the need for a Canadian ombudsman; the adequacy of the Diefenbaker bill of rights; and the approach adopted by the Supreme Court of Canada in its interpretation of the B.N.A. Act since 1949.

217/517. The Government and Politics of Africa (1966-67)

Lect.: 2 hrs.

K. A. Heard

The contemporary significance of politics in Africa; problems of government and politics in a selected number of African states (to be taken from: Nigeria, Ghana, Kenya, Malawi, Zambia, Rhodesia, and the Republic of South Africa, and the Congo); African Socialism; Pan-Africanism, and regional Pan-African organizations.

220/520. The Theory of International Politics (1967-68)

Lect.: 3 hrs.

J. H. Aitchison

This course seeks to provide perspectives for viewing the world of international politics that will be as useful twenty years from now as they are today. Unless facts are firmly grasped in a theoretical and conceptual framework, they cannot be understood. The main emphasis is on theories, concepts, approaches, though these are related to the world of today.

One weekly hour out of three is set aside as "Topical Hour" for the discussion of current trends and events. Any student in the University may attend Topical Hour.

223/523. Techniques of Statecraft and Problems of Order in International Politics. (1966-67)

D. W. Stairs

Lect.: 2 or 3 hrs.

Lectures will analyze the techniques available to decision-makers in the formulation and execution of foreign policy and will consider some of the moral, political, economic and other limitations upon their use. The difficulties of moderating inter-state conflict will be discussed with special reference to the problems of arms control, collective security, alliance systems, power balancing, and the like. There will be no single text, and students will be expected to read widely from a number of sources.

225/525. The Content of the Current International Milieu (1966-67)

J. H. Aitchison

Lect.: 3 hrs.

Among the topics discussed in this course are: the general structure of power in the world today; the problems of deterrence, of limited war and flexible response; the loosening of both the Soviet and the Western blocs; the Sino-Soviet split; peaceful co-existence between communist and non-communist states; the German problems; integration of Europe; the influence of the Triple-A (Asian, African and Arab) states; international and regional organizations.

One weekly hour out of three is set aside as "Topical Hour" for the discussion of current trends and events. Any student in the University may attend Topical Hour.

230/530. Political Parties (1967-68)

J. M. Beck

Lect.: 2 or 3 hrs.

The first part of this course examines the nature of political parties and the roles which they play in liberal, democratic and totalitarian governments. This examination is followed by a study of political parties in Britain, Soviet Russia, the United States, and Canada, with particular emphasis on their evolution, structure and role in the political process.

235/535. Public Opinion, Group Processes, and Policy Formation (1966-67)

D. Braybrooke

Lect.: 2 hrs.

One branch of this subject, as studied in this class, concerns the leading findings of public opinion research to date and with various attempts to construct adequate theories about the origins of opinions in group membership and the influence of group opinions in the political process. Another branch involves practical work, in which the class conducts its own surveys of public opinion on various issues. In this work members of the class participate in constructing questionnaires, choosing statistically adequate samples, and calculating the statistical results.

240/540. Political Philosophy from the Greeks to the end of the Middle Ages (1966-67)

J. H. Aitchison

Lect.: 2 or 3 hrs.

In the first half of this course the political works of Plato and Aristotle are examined; in the second half special attention is given to the Stoics, Roman Lawyers, Augustine, the Papalists, Dante, the Conciliarists; Aquinas, Occam, and Marsilius.

242/542. Political Philosophy of the Sixteenth, Seventeenth, and Eighteenth Centuries (1967-68)

J. H. Aitchison

Lect.: 2 or 3 hrs.

In this course special attention is given to the political thought of Machiavelli, More, Calvin, les Politiques, Bodin, Hooker, the Puritans, Hobbes, Harrington, Locke, Montesquieu, Rousseau, Hume, and Burke.

244/544. Political Philosophy of the Nineteenth and Twentieth Centuries (1966-67)

K. A. Heard

Lect.: 2 hrs.

A study of the following major topics: Utilitarianism, from Bentham to Mill; Political Idealism, with special reference to Hegel, Green and Bosanquet; Theories of Socialism, including the precursors of Marx,

Marxism. Leninism and Stalinism, Guild Socialism, Syndicalism, Fabianism; the theories of Fascism and National Socialism; modern theories of liberalism.

246/646. Leading Concepts in Political Philosophy (1967-68)

K. A. Heard

Lect.: 2 hrs.

An analysis of the meaning of leading concepts in political philosophy such as: authority, sovereignty, nationalism, self-government, freedom, consent, representation, responsibility, rights, the general will, the common good, public interest, equality. Reference will be made to the meanings assigned to these terms by the major political philosophers, but the approach will be analytical rather than historical.

300/500. The State and Economic Life (Not given in 1966-67)

J. H. Aitchison

In this seminar course, the facts, causes and effects, both particular and general, of state activity in the modern age are examined. Particular emphasis will be placed on the development of state activity in the United States, Britain, Canada, Australia, New Zealand, South Africa, France and Sweden.

310/510. Public Administration (Not given in 1966-67)

316/516. Politics in Nova Scotia since Confederation (1966-67)

Seminar: 2 hrs.

J. M. Beck, G. A. Rawlyk

A seminar conducted in conjunction with the Department of History. The topic to be discussed will deal with the evolution of Nova Scotian governmental and political institutions, and with the current state of Nova Scotian politics. Permission of the instructors will be required for this course.

349/549. (=Philosophy 340) Philosophy, Politics and Economics

D. Braybrooke

Seminar: 2 hrs.

Various topics on which the subjects of philosophy, political science, and economic coverage will be investigated, among them: standards for evaluating governments such as natural rights, welfare, majority rule, and efficiency; the concept of rational action; the relationship between action explanations and behaviour explanations in social science; and the uses of social science in making decisions and choosing policies. Readings in such authors as Aristotle, Butler; Hicks; Little, Boulding; Marx, Webber; Herring, Downs, Schelling; Popper, Dahl and Lindblom, and Simon.

PSYCHOLOGY

Professors.....P. H. R. James (Head of Dept.), H. D. Beach
Associate Professors.....W. K. Caird, J. W. Clark, W. K. Honig
Assistant Professors.....C. J. Brimmer, B. S. Clark, B. Earhard,
 W. L. King, J. A. McNulty, P. G. Swingle
Research Associates.....R. G. B. Brown, D. N. W. Doig,
 M. Earhard, R. Kanungo

The programme in Experimental Psychology is designed to provide both B.A. and B.Sc. students with a sound knowledge of the scientific aspects of the subject. For this purpose, the Department maintains a well-equipped undergraduate laboratory, with facilities for experimental work with animals, children and adults. The more advanced classes in the programme will, in general, be conducted as seminars, and the prerequisites have been assigned in such a way as to ensure that the student will be able to obtain the maximum advantage from the material presented. It is realized, however, that such rules cannot fit every case, and the Department will be glad to make exceptions for those students who have shown unusual ability in other disciplines.

In general, students who intend either to take Honours or to major in Psychology should follow the programmes outlined below. These programmes have been planned to ensure that all the requirements for the degree will be fulfilled. For various reasons, it may not be possible to take all of the courses listed for a particular year. In such cases, the programme should be arranged to include these courses in other years. Those students entering the university with credit for Year I English, Mathematics, or Science are advised to take Biology 101 or another course in Mathematics. All students who plan to take Honours or to major in Psychology should consult Dr. J. McNulty regarding their course of study.

A number of Junior Research Assistantships will be available, during both the academic term and the summer vacation, to students who are taking an Honours degree in Psychology. Details of these assistantships, and of the stipends attached to them, may be obtained from Dr. J. McNulty.

Requirements for General Degree

In addition to meeting the university requirements for the General B.A. or B.Sc. (see pages 51 - 54 of the Calendar), students wishing to major in Psychology must take the following courses:

YEAR I Psychology 100.
 YEAR II Psychology 200; Psychology 201.
 YEAR III Psychology 304, 305, or 306;
 Psychology 308, 309, 310, or 312.

Requirements for Honours Degree**(a) Major Program****B.A. with Honours in Psychology**

YEAR I Psychology 100; English 100; one foreign language; one class in Biology, Chemistry, Geology, Mathematics, or Physics; or one class *either* in Classics, History, or Philosophy, OR one class in Sociology, Economics, or Political Science.

YEAR II Psychology 200; Psychology 201; one class in Classics, History, or Philosophy in a subject not taken in Year I; one class in Sociology, Economics, or Political Science if this was not taken in Year I; Electives or Minors (one or two).

YEAR III Psychology 357; Psychology 304, 305, or 306; Psychology 308, 309, 310, or 312; one additional class in Psychology which may be chosen from any of the 300 courses; if a class in Classics, History, or Philosophy was not taken in Year I, one class is to be taken in a subject not taken in Year II; if courses in two of Classics, History, or Philosophy have already been taken, one Elective or Minor may be chosen.

YEAR IV Psychology 465; Psychology 470; Psychology 461, 463, or 464; two Electives or Minors.

B.Sc. with Honours in Psychology

YEAR I Psychology 100; Biology 101; one foreign language; English 100, Mathematics 100.

YEAR II Psychology 200; Psychology 201; one class in Biology beyond Introductory; one class in Chemistry, Geology, Mathematics, or Physics, one Elective or Minor.

YEAR III Psychology 357; Psychology 304, 305, or 306; Psychology 308, 309, 310, or 312; one additional course in Psychology which may be chosen from any of the 300 courses; one Elective or Minor.

YEAR IV Psychology 465; Psychology 470; Psychology 461, 463, or 464; two Electives or Minors.

(b) Combined Programs**B.A. Psychology—Sociology**

YEAR I Psychology 100; Sociology 100; one foreign language; English 100; one class in Biology, Chemistry, Geology, Mathematics, or Physics.

- YEAR II Psychology 200; Psychology 201; Sociology 202; Sociology 203 or 204; one class in Classics, History, or Philosophy; one Elective.
- YEAR III Psychology 357; Psychology 308; Sociology 305; one class in Classics, History, or Philosophy in a subject not taken in Year II; one Elective.
- YEAR IV Psychology 465; Psychology 470; Sociology 450; Sociology 307, 402, 407, or 452; one Elective.

B.A. Psychology—Philosophy

- YEAR I Psychology 100; Philosophy 100; one foreign language; English 100; one class in Biology, Chemistry, Geology, Mathematics, or Physics.
- YEAR II Psychology 200; Psychology 201; Philosophy 200; Philosophy 205, 210, or 230; one class *either* in Classics or History, OR one class in Sociology, Economics, or Political Science.
- YEAR III Psychology 357; Psychology 304, 305, 306, 308, 309, 310, or 312; two of Philosophy 205, 210, 230, or 320, not already taken in Year II; one class in Classics or History if not taken in Year II, OR one class in Sociology, Economics or Political Science if not taken in Year II.
- YEAR IV Psychology 470; one advanced Philosophy class; Psychology 465; two electives.

NOTE: If Psychology 320 is chosen but must be deferred to Year IV, the student must take one of Philosophy 205, 210, 230, plus one other class in Philosophy.

B.Sc. Psychology—Biology

- YEAR I Psychology 100; Biology 101; Mathematics 100 or Chemistry 100; English 100; Language (French or German).
- YEAR II Biology 201; Psychology 200; Biology 202 or Psychology 201; Mathematics 100 or Chemistry 100 (whichever not taken in Year I); one of Classical Literature 100, History 100, OR second language, OR second course in language of Year I.
- YEAR III Psychology 201 or Biology 201 (whichever not taken in Year II); Psychology 357; Biology 301, 302, 304, or 305; Psychology 304, 305, or 306, second class in Chemistry or Mathematics.

- YEAR IV Psychology 304, 305, or 306 (not taken in Year III), OR Psychology 464; Psychology 465 or 470; Biology 480 or 490; Elective (in the Humanities); Biology 324, 325, 326, or 421.

NOTE: If Psychology 465 is chosen, Biology 480 is to be taken. If Psychology 470 is taken, Biology 490 should be chosen.

Other Combined Honours programmes can be arranged. Interested students should consult the two Departments concerned regarding their course of study.

Classes Offered

100. **Introduction to Psychology** P. H. R. James
Lect.: 3 hrs.
An introduction to Psychology as a science.
200. **Experimental Analysis of Behavior** J. McNulty,
W. K. Honig, B. Earhard, J. W. Clark, H. D. Beach
Lect.: 2 hrs.; Lab.: 2 hrs.
A laboratory course in which students will be taught the use of the experimental method in psychology, and will be given supervised instruction in experiments with both animal and human behaviour.
Prerequisite: Psychology 100 or Biology 101.
201. **Advanced General Psychology**
Lect.: 3 hrs.
Fundamental problems in the study of behaviour. This course provides the student with an understanding of the general nature of these problems, and with a detailed account of the present state of knowledge concerning limited aspects of them.
Prerequisite: Psychology 100 or Biology 101.
304. **Fundamentals of Learning** C. J. Brimer
Lect.: 2 hrs.; Lab.: 2 hrs.
Current experimental and theoretical problems in learning, with a special emphasis on classical and instrumental conditioning, generalization and discrimination, extinction and the analysis of primary and secondary reinforcement.
Prerequisite: Psychology 200 or 201.
305. **Psychology of Perception** B. Earhard
Lect.: 2 hrs.; Lab.: 3 hrs.
A study of the variables which determine what is seen and heard.

The course stresses the methods which reveal these variables, measure their effects and show how they interact. Among the variables considered are sensory input, attention and past experience.

Prerequisite: Psychology 200 or 201.

306. Psychology of Motivation

J. W. Clark

Lect.: 2 hrs.; Lab.: 2 hrs.

A study of the factors controlling the arousal and direction of behaviour and of the mechanisms of primary and secondary drives.

Prerequisite: Psychology 200 or 201.

308. Social Psychology

P. G. Swingle

Lect.: 2 hrs.; Lab.: 2 hrs.

A study of the individual in various social and cultural habitats. Topics include: group dynamics, game theory, attitude formation and change, and cognitive theory.

Prerequisite: Psychology 200 or 201.

309. Developmental Psychology

Barbara Clark

Lect.: 2 hrs.; Lab.: 2 hrs.

A study of the acquisition, extension and maintenance of behaviour in the developing human organism. The course will compare various theories of personality development and evaluate research methods employed in studying child behaviour.

Prerequisite: Psychology 200 or 201.

310. Theories of Personality

R. Kanungo

Lect.: 3 hrs.

The course presents a comprehensive coverage of contemporary theories of personality. Developments of various methodological approaches to the study of the personality, such as Psychoanalysis, Field Theory, Factor Theory, and Learning Theory are traced. Major emphasis is on acquainting the student with recent empirical research and current theoretical issues stemming from the study of personality.

Prerequisite: Psychology 200 or 201.

312. Experimental Analysis of Behavior Disorders

W. K. Caird

Lect.: 2 hrs.; Lab.: 2 hrs.

A critical examination of some current views of abnormal behaviour, with an emphasis on the experimental approach to both understanding and modifying such behavior.

Prerequisite: At least three courses in Psychology.

Primarily for Honour students or those majoring in Psychology, although others may be admitted with the consent of the instructor.

357. Statistical Methods in Psychology

C. J. Brimer
Marcia Earhard

Lect.: 2 hrs.; Lab.: 1 hr.

The logic of statistical analysis with reference to the design and evaluation of experiments in Psychology. Both descriptive and inferential statistics will be covered with special emphasis on parametric and non-parametric tests of significance.

Primarily for Honours students although others may be admitted with the consent of the instructor.

461. Measurement of Behavior

H. D. Beach

Lect.: 2 hrs.

Test construction, scaling, and the logic of psychological measurement. Prerequisite: Psychology 357 or Sociology 301. Primarily for Honours and Graduate Students, although others may be admitted with the consent of the instructor.

463. Cognitive Processes

W. L. King

Lect.: 2 hrs.; Lab.: 2 hrs.

The course will cover the phenomena included under the topic headings of problem solving, creativity, concept formation and rule learning, with an emphasis on their phylogenetic and ontogenetic development. Prerequisite: Primarily for Honours and Graduate Students, although others may be admitted with the consent of the instructor.

464. Ethology

Lect.: 2 hrs.; Lab.: 2 hrs.

The course deals with the theory and practice of the study of animal behaviour under natural conditions.

Prerequisite: Primarily for Honours and Graduate Students, although others may be admitted with the consent of the instructor.

465. Advanced Experimental Psychology (Thesis and Tutorial)

The Department

The student is assigned to a member of the staff with whom he discusses current experimental problems of common interest, and under whose direction he designs and performs an original experimental investigation.

Prerequisite: Restricted to Honour Students.

470. Honours and Qualifying Year Seminar

W. K. Honig

Lect.: 2 hrs.

A comprehensive review and analysis of the major problem areas in modern psychology.

Required of all Honours and Qualifying Year students.

500. Research Assignment

The Department

The student will be assigned to an on-going research project, will work on the project under the direction of the senior investigator, and will submit a report, written in thesis form, of the work completed during the year.

Prerequisite: Restricted to Qualifying Year students.

Graduate Studies

Courses leading to the M.A. and Ph.D. degrees in Psychology are offered. Further details on graduate courses and general requirements for admission to graduate study may be found in the Faculty of Graduate Studies section of the Dalhousie Calendar.

ROMANCE LANGUAGES

Professor.....Paul Chavy, (Head of Dept.)

Associate Professor.....Harry F. Aikens

Assistant Professors.....Lucienne Beschet, Edmund Boyd,
Suzanne Chavy, Peter H. Collin, J. P. Coursodon,
Etienne Duval, Maria Teresa Garcia-Lopez, Andre Genuist,
Gabriel Kohanyi, Guillermo Rey, Claude Simon.

Lecturer.....Michelle Jones

The Language Laboratory is open more than 50 hours a week (including four evenings), and students have a wide choice of times at which they may complete their oral assignments.

Combined Programmes for Honours B.A.

A. Modern Languages

French may be taken in a Modern Languages combined programme with German the first language: see German.

With French the first language, the second modern language (ML2) may be German or Spanish.

YEAR I French 100 or 102; one class in ML2; English 100; one class in Social Sciences; one class in Science or Mathematics (if not passed in Senior Matriculation; otherwise one of Classical Literature 100, History 100 or Philosophy 100).

YEAR II French 220; another intermediate French Class; one class in ML2; one class in Humanities and one class in Social Sciences not taken during first year.

YEAR III Two senior or Honours classes in French; two classes in ML2; one class in Humanities.

YEAR IV Two Honours classes in French; one advanced class in ML2; another Honours class in French OR another advanced class in ML2; one free Elective.

B. French - English

YEAR I French 100 or 102; English 100; one class in Social Sciences; one of Classical Literature 100, History 100, Philosophy 100; one class in Science or Mathematics (if not passed in Senior Matriculation; otherwise second subject from Classical Literature 100, History 100, Philosophy 100).

YEAR II French 220; another intermediate French class; English 252; a second subject from Classical Literature 100; History 100, Philosophy 100 (if not already taken; otherwise European or French or British History); a second subject in Social Sciences.

YEAR III French 321 and 322; English 251 or 352; English 353; one class in Humanities.

YEAR IV French 320 or 453; one of French 350, 451, 452; English 451 or 452; English 453 or 209; one free Elective.

C. French - Latin

YEAR I French 100 (General course) or 102 (Oral French 1); Latin 100; two of Classical Literature, History 100, Philosophy 100; Science or Mathematics OR (if not required) English 100 OR a Social Science.

YEAR II French 220 (Survey of French Literature); French (any other intermediate class); Latin 200 (Latin Poetry); a class in the Social Sciences; English 100 (unless already taken) OR the remaining class from Classical Literature, History 100, or Philosophy 100.

YEAR III French (Senior Class); Latin 300 (Roman Satire) or 301 (Vergil); French (Senior class) OR Latin (Senior class); a second subject in a Social Science OR the remaining class from Classical Literature, History 100, or Philosophy 100; a History or Philosophy class offered by the Classics Department.

YEAR IV French (Honours class); Latin 300 or 301; French (Honours class) or Latin (Honours class); a History or Philosophy class offered by the Classics Department; Free Elective.

French

Requirements for Honours

Honours students majoring in French are expected to spend at least one summer (three months) and, if possible, two in a French-speaking country. Conditions of stay are to be agreed upon by the Department. Financial assistance may be granted to a limited extent.

Major Programme

YEAR I French 100 or 102; Latin 100; English 100; one class in Social Sciences; one class in Science or Mathematics (if not passed in Senior Matriculation; otherwise one of Classical Literature 100, History 100, Philosophy 100.

YEAR II French 200; another intermediate French class; one class in minor field; one class in Humanities and one class in Social Sciences not taken during first year.

YEAR III French 320 or 322; French 350 or 352; one of French 300, 301, 310, 311, 321; one class in minor field; one class in Humanities.

YEAR IV French 450, 451, 452, 453; one free Elective.

Classes Offered

Introductory Classes

001. Fundamentals of French (1st year)

A non-credit evening class for beginners. Extensive use of audio-visual aids. *Voix et Images de France*.

002. Fundamentals of French (2nd year)

A non-credit class for further language practice. *Voix et Images de France*.

003. Introduction to University French

Prerequisite: Two years of high school French or French 001.

A non-credit class for students who have a certain knowledge of French, but have not reached the Senior Matriculation level.

004. General Review of Basic French (1966-67)

For former French 1 students who have to repeat the class. This class carries a credit equivalent to former French 1.

Basic Classes

Prerequisite: Senior Matriculation French, or French 003, or French 001. Beginners must take French 001, then French 003 during the next summer or winter session, before being admitted to a credit course. No more than one class may be taken at the basic level.

100. General Course in French

Lect.: 3 hrs. (14 sections)

Practice of language through written and oral exercises; study of French civilization; readings.

101. Scientific French

Lect.: 3 hrs. (4 sections)

For science students. This class aims at enabling them to understand and translate French scientific publications; to write in French simple factual reports; to read aloud intelligibly scientific papers written in French.

102. Oral French 1

Lect.: 3 hrs.; Lab.: 5-10 hrs.

Concentrated study of basic structures, spoken and written, with particular emphasis on oral aspects. Most suitable for students hoping to do advanced work later, but with little previous training in oral French. Completed by French 202. Those interested should read, fill in and return the special form supplied by the Registrar.

Intermediate Classes

Prerequisite: Any basic class. Students fluent in French may be admitted directly to an intermediate class with the consent of the Department. No more than two classes may be taken at the intermediate level.

200. "Explication de Textes" and Diction

Lect.: 3 hrs.

An introduction to literary French. Group discussions and expressive oral renditions of pages from well-known writers.

202. Oral French 2

Lect.: 3 hrs.; Lab.: 4-8 hrs.

Continuation and completion of work begun in French 102. Systematic building of vocabulary through study of French civilization.

210. Today's France

Lect.: 3 hrs. (5 sections)

Readings and discussions dealing with problems that confront contemporary France. Grammar review.

211. History of French Civilization

Lect.: 3 hrs. (5 sections)

A study of the great periods in the history of France, major events, living conditions, intellectual and artistic achievements. Grammar review.

220. Survey of French Literature

Lect.: 3 hrs.

A study of the greatest writers and the most significant masterpieces of French literature, from the Middle Ages to our time.

221. From Book to Stage

Lect. and practice exercises: 3 hrs.

Selected scenes from plays of all ages are first studied, then staged and performed by students.

Senior Classes**300. Advanced Composition**

Lect.: 2 hrs.

Dictations, compositions, discussions leading students to a mastery of certain difficulties not discussed in more elementary courses.

Of special interest to students wishing to obtain, besides a Dalhousie credit, the "*Certificat Pratique de Langue Francaise*" granted by the Sorbonne.

301. Phonetics

Lect.: 2 hrs.

Systematic analysis of the sounds of language, with particular reference to French and English. Frequent exercises; term paper required.

310/510. History of French Art

Lect.: 2 hrs.

A survey of the accomplishments of French artists throughout the centuries.

311/511. History of French Canada

Lect.: 2 hrs.

From the first French settlements in North America to the present. Through this survey, many aspects of modern Canada will be better understood.

320/520. Contemporary French Literature

Lect.: 2 hrs.

A study of the most representative writers from 1880 to our time.

321/521. Survey of French-Canadian Literature

Lect.: 2 hrs.

From the period of the French rule to the present day.

322/522. Period Studies in French Literature
French Classicism (1966-67)

Lect.: 2 hrs.

A study of the great authors in the age of Louis XIV. The Age of Enlightenment (1967-68)

Honours Classes

Primarily for Honours and Graduate students. However, other properly qualified students may be admitted with the consent of the instructor.

350/550. History of the French Language

Lect.: 2 hrs.

A linguistic study concerned with the historical transformation and local variations of the French language.

352. Oral French 3 (not given in 1966-67)**450/650. Medieval French Literature**

Lect.: 2 hrs.

Masterpieces of medieval literature are studied, partly in their original form, partly in modernized versions for more extensive reading.

451/651. Stylistics

Lect.: 2 hrs.

Analysis of the means by which users of the French language convey various shades of meaning and produce particular effects. Frequent exercises towards accuracy and elegance in self-expression.

452/652. Translation

Lect.: 2 hrs.

Seminar on the techniques of translation from French to English and from English to French. Frequent exercises; term paper required.

453/653. Advance Seminar

One or several seminars on particular subjects will be offered, depending on students' interests. Honour students are invited to submit suggestions early to the department. Summer reading may be prescribed.

Graduate Studies

Requirements for a Master of Arts degree in French are given in the Dalhousie Calendar under Graduate Studies.

Spanish

Assistant Professors Maria Teresa Garcia-Lopez, Guillermo Rey

Combined programs for the Honours B.A.**Modern Languages**

Spanish may be taken in a Modern Languages combined programme with French or German the first language: see French or German.

With Spanish the first language, the second modern language (ML2) may be French or German.

- YEAR I Spanish 100; one class in ML2; English 100; one class in Social Sciences; one class in Science or Mathematics (if not passed in Senior Matriculation; otherwise one of Classical Literature 100, History 100 or Philosophy 100).
- YEAR II Spanish 200 and 300; one class in ML2; one class in Humanities and one class in Social Sciences not taken during the first year.
- YEAR III Spanish 301 and 351; two classes in ML2; one class in Humanities.
- YEAR IV Two Honours classes in Spanish; one advanced in ML2; another Honours class in Spanish OR another advanced class in ML2; one free Elective.

Classes Offered

In every class in Spanish there will be an oral examination at the end of each term.

100. An introduction to Spanish

Lect.: 3 hrs.

For beginners.

Texts: A compact Spanish Grammar (The Thrift Press); Agostini-Dios, *Lengua viva y gramatica*.

200. Elementary Spanish

Lect.: 3 hrs.

Prerequisite: Spanish 100 or a matriculation credit in Spanish. Review of Spanish grammar. Spanish conversation and translation from English to Spanish based upon Hispanic subjects. Texts: A Compact Spanish Grammar (The Thrift Press); Agostini-Rios, *Lengua viva y gramatica*; Rodriguez-Castellano, *Introduction a la Historia de Espana* (This must be a new copy).

300. Spanish Literature of the Nineteenth and Twentieth Centuries

Lect.: 3 hrs.

A review of Spanish grammar and history. Special emphasis on the nineteenth century and the first quarter of the twentieth century Spanish Literature. Every student will present a paper after reading an author.

Texts: A Compact Spanish Grammar (The Thrift Press); Agostini-Rios, *Lengua viva y gramatica*; Rodriguez-Castellano, *Introduction a la Historia de Espana* (new copy) Da Cal, *Literatura del siglo XX*.

301. Cervantes and His Time

Lect.: 2 hrs.

Prerequisite: Spanish 2 or Spanish as mother tongue. A review of Spanish grammar and history will be given during the year with special emphasis on the fifteenth, sixteenth, and seventeenth centuries. Every student will present a paper on a chapter of Don Quixote at each class. About 20 chapters will be read in the first term; about 30 in the second term. There will be recommended reading.

Texts: Cervantes, *Don Quixote* (any modern Spanish Edition). Students must also have the text books prescribed for Spanish A, 1 and 2. Reference books: Ballesteros, *Sintesis de la Historia de Espana*; Valbuena, *Historia de la Literatura Espanola*.

350. The Golden Age of Spanish Literature

Lect.: 3 hrs.

Prerequisite: Spanish 2 and 3. First term: The Humanists—The Complutense Poligraph Bible; The Poets — Cetina, Garcilaso, F. Luis de Leon, Gongora; The picaresque novel — El Lazarillo, Quevedo

and his Buscon. Second term: Spanish Drama—Miracle plays, Juan del Encina, Lope de Vega and his theatre, Tirso de Molina, and Don Juan's Leyend, Calderon and his Autos. Eighteenth century—Moratin and his classicism, Don Ramon de la Cruz and his Sainetes. Twentieth century—Benavents. *Texts*: Pattison, *Representative Spanish Authors*, Vol. 1. Reference books: Valbuena, *Historia de la Literatura Espanola*.

351. History of Spain and of Hispano-America, 1492-1898

Lect.: 2 hrs.

Prerequisite: Spanish 2 and 3. The discovery, colonization, and independence of the Hispano-American colonies.

Text: Ballesteros, *Sintesis de la Historia de Espana*.

450. The Golden Age of Spanish Literature

Lect.: 2 hrs.

First term: Spanish mystics and ascetics. Second term: Spanish Drama.

RUSSIAN

Assistant Professors.....Irene Coffin, Peter H. Collin

The Language Laboratory is open more than 50 hours a week (including four evenings), and students have a wide choice of times at which they may complete their oral assignments.

Classes Offered

100. Elementary Russian Irene Coffin

Lect.: 3 hrs.

This class is intended for those beginning the study of the language.

200. Second-Year Russian P. H. Collin

Lect.: 3 hrs.

Prerequisite: Elementary Russian.

Study of the language and grammar continued.

201. Scientific Russian P. H. Collin

Lect.: 3 hrs.

Study of grammar and reading of scientific texts. This course enables the students to translate scientific articles with the aid of a dictionary.

300. Area Studies Irene Coffin

Lect.: 3 hrs.

Prerequisite: 200 or 201.

A study of geography and history of Russia.

301. Conversational and Literary Russian Irene Coffin

Lect.: 2 hrs.

302. Survey of Russian Literature P. H. Collin

Lect.: 2 hrs.

Higher work in Russian may be arranged by consultation with the instructor.

RELIGIOUS STUDIES

100. The English Bible J. B. Corston

Lect.: 2 hrs.

This course attempts to acquaint the student with the whole field of Biblical literature. The rise and development of the literature of the Old Testament is studied against its historical background. The New Testament writings are considered in relation to the life of the early Christian community, with particular reference to their chief literary characteristics and their historical and religious significance.

Reference texts: William Neil, *The Rediscovery of the Bible*; B. W. Anderson, *Understanding the Old Testament*; T. Henshaw, *New Testament Literature*.

A number of other classes relating to religious studies will be found among the offerings of several departments. Classics in the Philosophy, Psychology, and Sociology of Religion, for example, are offered by the departments of Philosophy and Sociology, while classes bearing on the historical development of religious thought are offered in the departments of History, Classics, and English.

Interested students may consult Professor Page, Department of Philosophy.

KEY TO CHANGES IN CLASS NUMBERS

Geology		353	—	Mathematics	
New	Old	400	34	New	Old
100	1	401	36	001	100
201	—	402	37	100	200
202	16	451	41	118	218
203	—	452	—	200	300
301	3			203	303
302	17			204	350
303	—			205	305
304	4			206	306
305	2			208	308
401	13			220	320
403	7			227	—
404	6			228	328
405	12			301	401
406	11			302	402
451/501	15			303	403
452/502	—			304	—
453/503	21			305	405
454/504	9			306	406
455/505	23			312	412
456/506	—			315	450
457/507	19			320	420
458/508	—			330	—
520	10			403	503
521	22			414	514
522	20			418	418
523	8			420	518
				421	421
				425	425
				430	—
German				Philosophy	
New	Old			New	Old
200	13			100	1
100	11/12			200	2
201	14(17*)			205	18
202	—			210	3
251	—			215	4
300	21			220	20
301	31			225	22
302	32				
303	—				
352	35				

* Misprint in 1965-66 Calendar.

* New class more extensive than old one.

KEY TO CHANGES IN CLASS NUMBERS

Philosophy (cont'd)		223/523	—	102	10
230	5* 24	225/525	9	200	—
235	25	230/530	14	202	30
240	7* 8	235/535	15	210	32
315	13	240/540	4	211	31
320	10	242/542	5	220	34
325	19	244/544	11	221	33
330	—	246/546	16	300	35
335	17	300/500	6	301	51
340	15	310/510	12	310	—
345	—	349/549	17	311	—
460/560	—			320	45
				321	46
				322	41(42-44)
				350	—
				352	—
				450	40
				451	50
				452	52
				453	37* 48
Physics		Psychology		Spanish	
New	Old	New	Old	New	Old
100	10	100	1	100	A
110	11	200	2	200	1
220	22	201	3	300	2
230	26	304	4	301	3
300	30	305	5	351	5
310	39	306	6	350	4
330	36	308	8	450	6
335	38	309	9		
340/540	33	310	10	RUSSIAN	
400	40	312	12	NEW	OLD
415/515	54	357	7	100	1A
420/520	47	461	11	200	1
435/535	48	463	13	201	1S
440/541	43	464	14	300	2
445/545	49	465	15	301	3
		470	17	302	Survey
		500	16		
Political Science		Romance Languages			
New	Old	FRENCH			
100	1	New	Old		
200	2	001/002	non-credit		
205	3	003/004	1		
210	—	100	2		
215/515	7	101	3		
217/517	10				
220/520	8				

* New class more extensive than old one.

School of Divinity

ENTRANCE REQUIREMENTS

The regular Divinity course consists of the prescribed course for the B.A. or B.Sc. (3 years after Senior 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 who receive 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 is to be found on page 51 and study extending over two years is recommended.

Greek is the normal language to be taken. Where areas of concentration are required, English, Philosophy and History are regarded as the most desirable. Religion must be carried as an extra subject in the first and second years.

DIVINITY COURSES

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' study, have passed all the required courses in the complete Divinity course (see below) together with no fewer than 3 Distinction courses (of which Hebrew 2 may be one), with an average of 65% each year and required Field Work. In order to obtain distinction a mark of 65% must be obtained. 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, Pastoralia 2 and 3, but excluding Hebrew). The *Testamur* will be awarded to students who, after 3 years residence in 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 college with fewer 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. Students who show marked incompetence in Greek Bible A may be required to drop Greek and substitute exegesis in English Bible plus additional work in other Departments. In such cases they will not be eligible for the L.Th., but may receive the *Testamur* with hood if satisfying all L.Th. requirements save Greek.

The provisions of this paragraph are generally intended for older men and only in exceptional circumstances will be allowed to men under twenty-eight years of age.

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

The Degree of Bachelor of Sacred Theology (B.S.T.) may be taken by those who already hold a Bachelor's degree on entering the Divinity School, and who take and pass the complete Divinity Course, including two years of Hebrew plus two other distinction courses with an overall average of at least 65%, which must be maintained every year. Any student falling short of this average in the spring examination in either his first or second year will be required to revert to the L.Th. course.

Students who have received the B.S.Litt., the B.S.T., 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.

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 19th.

A medical examination by the General Synod physician is required for all students during their first year in Divinity. This will be arranged during the term.

No student may write more than three supplemental examinations, the recorded pass mark for which is 50%. A student with more than three failures at the end of a year must repeat the whole year.

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

(One hour a week for two years.) Open to all students of the College. Given every year. The Reverend C. W. F. Stone

To be taken in the first and second years 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.

OLD TESTAMENT

(A) HEBREW

Habrew 1— Three hours a week (1966-67). To be arranged.

Grammar and translation: the first two chapters of Genesis.

Texts—A. B. Davidson: An Introductory Hebrew Grammar (24th or later ed.) (Clark). A. R. S. Kennedy, (ed.): The Book of Ruth, Hebrew Text (SPCK).

Hebrew 2—(Distinction*). Two hours a week ((1967-68). Prof. J. B. Hardie.

Selected prose extracts.

Texts—R. Kettel: Biblia Hebraica (4th ed.) P. Smith: The Books of Samuel (Scribners).

* Distinction for the L.Th. (Hons.) course only.

Hebrew 3—(Distinction) One hour a week. (1966-67). Prof. J. B. Hardie.

Selections from Psalms and Prophets.

(B) ENGLISH

English Bible 1—Old Testament. Two hours a week. (1966-67)
The Rev. J. B. Hibbitts.

The history and literature of Israel from earliest times to 750 B.C., including its earliest religious, political and cultural development. Tests on the contents of the relevant English text of the Bible will be given throughout the year in this and the following English Bible courses.

Texts—The Bible—English Revised Version (OUP). N. Gottwald: *A Light to the Nations* (Harper). M. Noth: *The History of Israel* (Black). For reference R. H. Pfeiffer, *Introduction To The Old Testament*.

English Bible 2—Old Testament. Two hours a week. (1967-68)
The Rev. J. B. Hibbitts.

The theological ideas of the Hebrew prophets, the exile and its effects, and the religious concepts and practice of Judaism in the post-exilic period.

Texts—N. K. Gottwald: *A Light to the Nations* (Harper). M. Noth: *The History of Israel* (Black). H. H. Guthrie: *God and History in the Old Testament* (Seabury). G. F. Whitley: *The Exilic Age* (Longmans). D. W. Thomas ed., *Documents from Old Testament Times* (Harper).

NEW TESTAMENT

(A) GREEK

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. The Rev. D. T. Haviland.

Greek Bible 1—Two hours a week. (1967-68)

Synoptic Gospels, and Introduction to Textual Criticism. The Rev. R. E. Reeve.

Text—A. H. McNeile: *An Introduction to the Study of the New Testament*, revised. C.S.C. Williams (O.U.P.). H. E. W. Turner: *Jesus, Master and Lord* (Mowbrays). A. Huck: *Synopsis of the First Three Gospels*, English ed. by F. L. Cross (Blackwells).

Greek Bible 2—One hour a week. St. John (1967-68) The Rev. J. B. Hibbitts.

Texts—E. Nestle's or British and Foreign Bible Society's ed. of the Greek Testament, 2nd ed., 1958. C. K. Barrett: *The Gospel According to St. John* (SPCK). C. M. Dodd: *Historical Tradition In The Fourth Gospel* (CUP).

Greek Bible 3—One hour per week. Romans. (1966-67). The Rev. J. B. Hibbitts.

Texts—Nestle's or British and Foreign Bible Society ed. of the Greek New Testament 2nd ed., 1958. C. K. Barrett: *The Epistle to the Romans* (Black). H. Rhys: *The Epistle to the Romans* (MacMillan).

Greek Bible 4—One hour a week (Distinction). The Pastoral Epistles. The Rev. J. B. Hibbitts.

Texts—C. K. Barrett: *The Pastoral Epistles* (Clarendon). J. D. N. Kelly: *The Pastoral Epistles* (Black).

(B) ENGLISH

English Bible 3—New Testament. One hour a week. (1967-68).
The Rev. J. B. Hibbitts.

Introduction to New Testament times with a survey of the relevant intertestamental literature.

Texts—The Bible—English Revised Version (OUP). C. K. Barrett: *The New Testament Background: Selected Documents* (S.P.C.K.). F. M. Cross: *The Ancient Library of Qumran* (Duckworth). G. Vermes: *The Dead Sea Scrolls in English* (Penguin). Kee, Young, Froelich, *Understanding the New Testament*, 2nd ed. (Prentice-Hall). R. H. Pfeiffer: *A History of New Testament Times* (Harper).

English Bible 4—New Testament. Two hours a week. (66-67).
The Rev. J. B. Hibbitts.

The emergence, composition, text and canon of the New Testament, with special attention to the material not covered in the required Greek Testament courses.

Texts—The Bible—English Revised Version (OUP). Kee, Young, Froelich: *Understanding The New Testament*, 2nd ed. (Prentice-Hall). A. H. MacNeile: *An Introduction to the New Testament*, rev. ed. C.S.C. Williams (OUP).

CHURCH HISTORY

Church History 1—(Distinction). One hour a week. The Rev. C. W. F. Stone.

General Church History, 451-1500.

Church History 2—One hour a week. (1967-68) The Rev. J. B. Hibbitts.

English Church History from its beginning to the present day.

Texts—J. C. 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—One hour per week (1966-67). The Rev. C. W. F. Stone.

The modern Church. A general survey from and including the Reformation. Canadian Church History.

Church History 4—(Distinction). The Rev. C. W. F. Stone.

Continental Reformation and Counter-Reformation.

DOGMATIC THEOLOGY

Dogmatics 1—One hour a week. (1967-68). The Rev. R. E. Reeve

The development of Christian Doctrine to 451 A.D.

Texts—J. Stevenson: *A New Eusebius* (S.P.C.K.). H. Bettenson: *Documents of the Christian Church*, 2nd ed. (OUP).

Dogmatic 2—Two hours a week. (1967-68). The Rev. R. E. Reeve.

The Doctrine of God; Theology, Christology, Pneumatology, and Trinitarianism. The Doctrines of Man, Sin and Grace. The Atonement.

Texts—E. J. Bicknell: *A Theological Introduction to the Thirty-nine Articles*, 3rd ed. rev. H. J. Carpenter (Longmans). O. C. Quick: *Doctrines of the Creed* (Nisbet). The Doctrine Report: *Doctrine in the Church of England* (S.P.C.K.)

Dogmatics 3—Two hours a week. (1967-68). The Rev. R. E. Reeve.

The Doctrines of the Church, the Ministry, the Sacraments, and Eschatology.

Texts—As for Dogmatics 2 plus the following: E. Brunner: *Our Faith* (S.C.M. edition). K. Barth: *Dogmatics in Outline* (S.C.M. edition). P. Tillich: *Dynamics of Faith* (Allen & Unwin).

Dogmatics 4—(Distinction). The Rev. R. E. Reeve.

Courses will be offered as required on specific problems of Theology, Christology, Pneumatology, etc. Instruction will take the form of set reading, the preparation and writing of essays and seminars.

(Notice of desire to take the course should be given before the end of the preceding term.)

LITURGICAL THEOLOGY

Liturgics 1—(Distinction). One hour a week. The Rev. C. W. F. Stone.

Early Christian worship; Primitive Liturgies; Later developments and Mediaeval worship; Theology of worship.

Liturgics 2—Two hours a week. (65-66). The Rev. C. W. F. Stone.

The Liturgy in English; History and Analysis of the English Rites; the Tudor, Stuart, and present Books. Theology of worship.

Liturgics 3—(Distinction). One hour. The Rev. C. W. F. Stone.

(See also Pastoralia 3: The Prayer Book in the Parish).

PHILOSOPHY OF RELIGION

(Faculty of Arts & Science)

Philosophy of Religion 1—Two hours a week. (Philosophy 20). F. H. Page.

Basic religious concepts.

Philosophy of Religion 2—(Sociology 7). The Rev. F. Uhler.

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

Texts—Noss: "Man's Religions". Cave Sydney: "Christianity and Some Living Religions of the East". Sorokin-Zimmerman-Galpin: "A Systematic Source Book in Rural Sociology". (Vol. 1). Langmead, Casserley: "The Retreat from Christianity." Geo. Galloway: "The Philosophy of Religion".

Philosophy of Religion 3*—(Philosophy 22). F. H. Page.

Text—Clark: *The Psychology of Religion*.

Philosophy of Religion 4—(Distinction). (Classics 4) J. Doull
Mediaeval Philosophy.

PASTORALIA

This course is designed to cover all matters affecting the relationship between priest and people and questions involved in relating the eternal Gospel to contemporary human needs.

The Pastoralia Department attempts to complete essential theological learning with instruction and experience in communicating this learning.

The courses offered are arranged so as to enable every Divinity Student to complete the courses in three years. The courses are distinguished solely by virtue of their specific content, and should not be confused with optional University courses for which credit is given. Every student preparing for the Ministry of the Church is required to take all courses.

Pastoralia 1—Speech Training: the reading of the services and lessons. E. Roberts.

At the discretion of the Faculty of Divinity, any Divinity or Pre-Divinity student may be required to take this course one or more times.

Philosophy of Religion 1 and 3 are required for the L.Th. in 1966-67. One may be counted for distinction provided the student has as prerequisite Philosophy 1 or Psychology 1.

Pastoralia 2—One hour a week. The Rev. R. E. Reeve.

Church Music.

Pastoralia 3—One hour a week. The Rev. F. W. Wentzell and C. W. F. Stone.

Conduct of the Services of the Church and use of the Prayer Book in the Parish.

Pastoralia 4—One hour a week. The Rev. F. W. Wentzell.

Introduction to Pastoral Relationships.

Pastoralia 5—One hour a week. The Rev. F. W. Wentzell, Judge J. E. Hudson, and others.

Parish Administration; a consideration of the resources available; the Polity of the Church; Canon Law.

Pastoralia 6—One hour a week. The Revs. R. E. Reeve, G. W. Philpotts, C. W. F. Stone.

Composition of Sermons; the Theory and Practice of Preaching.

(This course must be taken twice: once during first year in Divinity and again during last year).

Pastoralia 7—90 minutes a week. (1967-68). The Rev. R. E. Reeve.
 (a) Introduction to General and Christian Ethics.

Texts—W. Lillie: *Studies in New Testament Ethics* (Oliver & Boyd). D. Bonhoeffer: *Ethics* (1955).

(b) Introduction to Moral Theology.

Texts—K. E. Kirk: *Some Principles of Moral Theology* (Longmans). P. Tillich: *The New Being* (S.C.M.).

Pastoralia 8—90 minutes a week. (1967-68). The Rev. R. J. R. Stokoe.
 Relevant insights of Depth Psychology.

Pastoralia 9—One afternoon a week. (1966-67).

Pastoral Counselling.

"With the approval of the Professor of Pastoralia, any student may attend a summer course of not less than six weeks duration in Clinical Pastoral Education instead of taking the course Pastoralia 9. Attendance at both however will remain a part of the necessary requirements for a distinction in Pastoralia".

Pastoralia 10—The Rev. R. J. R. Stokoe.

Tutorials and seminars for the discussion of field work and problems arising therefrom. All Divinity Students do field work as participants in the Nova Scotia Diocese's Parish Training Scheme.

Additional study for a Distinction in Pastoralia may be taken with the approval and under the direction of the Pastoralia Department. This will include full attendance at a six-week residential summer course in clinical pastoral training.

Degree of Bachelor of Divinity

By agreement among all Anglican Theological Colleges in Canada, the Degree of Bachelor of Divinity is now awarded only by examination by the Board of Examiners of General Synod. Particulars concerning regulations for this Degree may be had upon application to the Registrar.

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 Diocese (Nova Scotia and Fredericton) 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.

The Maritime School of Social Work

L. T. Hancock, M.A. (Acadia), B.S.W. (McGill), A.M.
(School of Social Service Admin., University of Chicago)
Carol Ann Probert, B.A. (Mount St. Vincent), M.S.W.
(Maritime School of Social Work and Saint Mary's);
Registrar.

The Maritime School of Social Work is affiliated with the University of King's College. The School provides a two-year graduate program leading to the Master's Degree in Social Work. It was started in 1941 by a group of visionaries led by the late Dr. S. H. Prince, for many years a Professor of Sociology at King's. Seeing the rapid growth of Social Service Agencies throughout the Atlantic Region, this group recognized the need for a Centre where individuals could receive the education necessary for a career in the profession of social work.

The School began in a very modest way with four students and a faculty of volunteers. Today, it owns a large property in Halifax on Coburg Road at Oxford Street where a well-qualified faculty provides modern professional education to over forty students.

In early days the School had no permanent home and classes were held wherever suitable space could be found. In 1952 a home was made for the School at the University of King's College, and for five years it was housed in the Administration Building of the University. In 1957 the School purchased the property it now occupies.

Designed to serve the Atlantic Region, the School has placed emphasis on individual attention and highly qualified instructors. In 1950 Mount Allison University, St. Francis Xavier University, and Acadia University recognized the School and through an affiliation agreement awarded Master of Social Work Degrees to its graduates. In 1952 the University of King's College and St. Mary's University joined in the affiliation. Thus, a graduate of the School now receives his Master's Degree in Social Work from one of these five Universities.

Students interested in learning more about the program are referred to the current Calendar. The program, like that of other Canadian Schools of Social Work, is both practical and theoretical. The classroom courses are divided into three different groups, those concerned with the social work methods, those concerned with the social services, and those concerned with understanding human behaviour and social environment. In addition, students are required to participate in a Research program and write a thesis before they can qualify for graduation. The practical part of the program takes students into nearby agencies for two and one half days a week where they practice social work under the direction of a specially qualified Field Instructor.

The demand for professional social workers at home and abroad is enormous, and opportunities are varied and challenging. Persons planning a career in the social Welfare field should first obtain a baccalaureate degree, with special emphasis on the Social Sciences, before applying to the Maritime School of Social Work for admission. Courses in Sociology, Psychology and Political Science are particularly important. In addition, personal qualifications such as patience, understanding, tact, good judgment, emotional stability, and tolerance of religious backgrounds and beliefs that are different from one's own, are essential.

The University of King's College is proud of its long and close association with the Maritime School of Social Work. The University is pleased to offer residence and dining room facilities to students of the School. Students of the University interested in learning more about careers in Social Work are advised to seek an interview with the Registrar of the School by phoning Halifax 423-8162.

Diction and Voice Production

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

SPEECH THERAPY

The correction of stammering, stuttering, lisping and other faults.

TONE PRODUCTION DRAMA PUBLIC SPEAKING
PARLIAMENTARY PROCEDURE

PROSE POETRY

The year's course consists of 32 lessons. Instruction will commence Thursday, September 8th, 1966. Second term begins Thursday, January 5th, 1967.

TUITION FEES

Private lessons, Adults, 1 hr. lesson \$160.00 per year
Private lessons, Juniors (18 & under) 1 hr. \$100.00 per year

SYLLABUS

Quality of Voice

The elimination of nasal, throaty or guttural tone, lack of tone, and voice strain.

Breathing

The development of diaphragmatic and easy breathing.

Pronunciation and Enunciation

Training in correct phrasing, emphasis, pauses and modulation.

Language

Study of the fitness of words, and smoothness of transition.

Rhetoric

The formal organization of an address.

Atlantic Summer School of Advanced Business Administration

June 19th — July 23rd, 1966

The Maritime Universities have for several years jointly sponsored a Summer School in Advanced Business Administration whose home is at the University of King's College. In 1966 the School will be held from June 19th to July 23rd.

The purpose of the School is to provide further training at an advanced level for those who are already engaged in work in the business world. Instruction is offered, under the tutelage of a staff drawn from the Harvard School of Business Administration, in Human Relations, Business Policy, Financial Analysis and Control, Labour Problems, Marketing Problems, and Government Policy and The Canadian Economy.

Admission to the School is by recommendation from the firm which employs the student and participation is invited from all sizes and types of companies. There are no formal educational requirements, but it is expected that sponsors will recommend only those who, by virtue of experience, intelligence, industry, and interest in their jobs, will profit from the instruction offered.

Members of the School will live in single rooms in Alexandra Hall and eat in Prince Memorial Hall. The cost of tuition, books, board and room amounts to \$1,000.00 for the five weeks. Further details will be sent to applicants shortly before the opening of term in June.

Additional information as to the details of syllabus, etc., and application forms for admission are available from Dean H. E. Dysart, Director, Atlantic Summer School of Advanced Business Administration, University of King's College, Halifax. Applications should be completed by June 1st.

Institute of Pastoral Training

University of King's College

Pine Hill Divinity Hall

Divinity School of Acadia University

Presbyterian College, Montreal

Medical Faculty of Dalhousie University

The organization of this Institute in collaboration with Pine Hill Divinity Hall, the Divinity School of Acadia University, Presbyterian College, Montreal, Medical Faculty of Dalhousie 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 centers, and other social agencies. In this connection, the Institute now sponsors six-week courses in Clinical Pastoral Education, usually commencing mid May, at the Nova Hospital, Dartmouth (mental), and the Nova Scotia Sanatorium, Kentville.

While the above mentioned courses aid primarily at increasing the pastoral competence of the parish minister or church worker, students of particular aptitude and interest can be guided in further theological training to become qualified teachers of these subjects in theological courses, directors of Clinical Training Courses, and institutional chaplains; also, in certain cases, to become experts in particular specified fields, 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 center at the Institute office.

A number of one-day and four-day workshops have already been held in various localities in the Maritimes, and information as to what is involved in setting one of these up may be obtained from the Secretary of the Institute.

All enquiries concerning courses offered should be addressed direct to the Secretary of the Institute, the Reverend Professor C. J. Taylor, Acadia University, Wolfville, N. S.. Board and lodging can usually be arranged, and some bursary assistance is forthcoming. Academic credit is given by certain Canadian and American universities for satisfactory completion of either of the courses offered. Applications to attend the courses from bona fide enquirers belonging to other professions are welcomed, and receive equal consideration.

A recent development in this field was the formal constitution in December 1965 of "The Canadian Council for Supervised Pastoral Education", which will seek to co-ordinate training across Canada, establishing and maintaining high standards, accrediting training courses, and certifying supervisors. The Institute of Pastoral Training has links with the Council one of which is the Institute's Secretary who is a member of the Council's Board of Directors and its Committee on Accreditation and Certification. Professor R. J. R. Stokoe of King's, who directs the six-week courses at the Nova Scotia Hospital, Dartmouth, is also on the Council's Board of Directors.

Scholarships and Prizes

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

Application should be made to the Registrar before May 15.

In order to retain scholarships tenable for more than one year, an average of 65% must be made each year.

Any scholarship winner who can afford to do so is invited to give up all or part of the money awarded. He will still be styled the winner of the Scholarship during its tenure. This agreement increases the value of the Scholarships Funds, as it enables other students of scholarly attainments to attend the University.

ARTS AND SCIENCE

A. ENTRANCE SCHOLARSHIPS

Chancellor's Scholarships—\$400 a year

Established originally through the generosity of the Hon. Ray Lawson, O.B.E., LL.D., D.C.L., former Chancellor of the University, and continued by succeeding Chancellors, these scholarships are open to students of the Atlantic Provinces, and are tenable for four years from Grade XII. The holders of Chancellors' Scholarships must live in residence.

King's Foundation Scholarships—\$250 a year

Established by the Board of Governors, these scholarships are tenable for four years from Grade XII.

Halifax-Dartmouth Scholarships—\$125 a year

Established for students entering the University from the Halifax-Dartmouth area, these scholarships are tenable for four years from Grade XII.

Alumni Living Endowment Scholarships—\$600

Established by the Alumni Association, these scholarships are intended for entering students, but consideration will be given to applications from students who are already members

of the College and who are in good academic standing. The holders of Living Endowment Scholarships must live in residence.

Margaret and Wallace Towers Scholarship—\$600 a year

Established by Mr. Donald R. Towers, of The Cheshire Academy, Connecticut, an alumnus of King's, in memory of his mother and father, this scholarship, tenable for four years from Grade XII, is open to a student of high academic standing entering the University of King's College, Halifax, Nova Scotia, to study Arts or Science, who is a resident, or a descendant of residents of Charlotte County, New Brunswick, or of Washington County, Maine. Failing any qualified applicants from these counties, the scholarship will become available to a student resident anywhere outside the Maritime Provinces of Canada.

The Prince Scholarship—\$1000

Made available by a former graduate of the University in recognition of the pre-eminence in the spheres of education and community leadership of the late Dr. S. H. Prince, long associated with the University, this scholarship is open to any student of African extraction, a native of Nova Scotia.

Winfield Memorial Entrance Scholarship—\$200

Established by Mrs. W. A. Winfield in memory of her husband.

The Alumni Scholarship—\$200

Offered by the Alumni Association to a student of King's College School, Rothesay Collegiate, Edgehill, Netherwood or Halifax Ladies College. The winner of this scholarship must not hold any other scholarships.

Keating Trust Scholarships—\$125

Awarded from a bequest to the College from the Rev. J. Lloyd Keating, to students entering College 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 Halifax Rifles Centenary Scholarship—\$200

Established by the Halifax Rifles as an entrance scholarship. For particulars apply to the Registrar.

King's College Naval Bursary—\$300 a year

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.

Applicants must be children of officers and men either serving in the Royal Canadian Navy or retired from the R.C.N. on pension. 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.

The Bursary is awarded annually but it is intended to be tenable by the same student to the completion of his course 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.

Deihl Bridgewater Bursary—\$250

To assist needy students of suitable standing, resident in the town of Bridgewater, or within six miles of the town. Bequeathed by the late Lena Ruth Deihl.

Walter Lawson Muir Bursary—\$175

To be awarded 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. Endowed by Mrs. W. L. Muir.

The United States Scholarship—\$500

Awarded annually by Friends of New York State Corporation, to a student resident in the United States who in the judgement of the Directors of the Corporation best exemplifies an appreciation of the importance of good relationships between the people of the United States and Canada.

In any year the scholarship may be divided among two or more students.

Imperial Oil Higher Education Award

Imperial Oil Limited offers annually free tuition and other compulsory fees to all children or wards of employees and annuitants who proceed to higher education courses. The award is tenable for four years from Grade XII. For particulars apply to the Registrar.

Redpath Sugar Scholarship—\$1000 for two years

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, by W. J. McGregor, President of the Redpath Sugar Refinery, in memory of men lost at Springhill. For particulars apply to the Registrar.

The Imperial Order Daughters of the Empire Bursary—\$400 a Year

As part of a War Memorial the I.O.D.E. offers annually in each Province of Canada one bursary for four years' study in Canadian Universities, to the sons and daughters of deceased or permanently disabled men and women of the service (Army, Navy, Air Force.) For particulars apply to the Registrar.

I.O.D.E. Bursaries—\$100 to \$200

The Provincial Chapter of Nova Scotia, I.O.D.E., will award a limited number of bursaries of from \$100 to \$200 to university students of satisfactory academic standing in need of financial assistance. First-year students will be given preference. For particulars apply to the Registrar.

B. SCHOLARSHIPS, BURSARIES AND PRIZES AWARDED IN COURSE

The President's Scholarship—\$250

Three scholarships of \$250 will be awarded to the students who make the highest average at the end of the first, second and third year examinations and hold no other scholarship.

The Stevenson Scholarship—\$120

Founded by the Rev. J. Stevenson, M.A., (sometime Professor of Mathematics), of the value of \$120 a year tenable for two years, this scholarship will be awarded to a student in the Second Year, who makes the highest aggregate in the Christmas examinations.

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

Alexandra Society Scholarship—\$200

An annual award offered by the Alexandra Society of King's College to a woman student who, having taken at least five subjects in her third year, has obtained the highest average (minimum 65%) with not less than 50% in any one subject; provided that she spend her final 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.

April Fund Scholarship—\$600

A scholarship of \$600.00 has been established by the Trustees of the April Fund to be awarded a student of ing year. Any student may apply for this scholarship whether or not he has previously studied at the University of King's College.

The scholarship holder will be required to live in residence.

Applications must reach the Registrar not later than May 15th and must be accompanied by a transcript of marks obtained in the applicant's Junior year, and the names

of two professors to whom the applicant is known, and to whom reference can be made.

Saint John University Women's Club Scholarship—\$100 (Undergraduate)

The Saint John University Women's Club awards a scholarship of \$100 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. For particulars apply to the Registrar, before March 1.

The Lawson Prize—\$100

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

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 ten classes. In case of a tie preference will be given to a Divinity student.

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 with the best examination results at the end of the second year with ten classes.

The Akins Historical Prize—\$100

Founded by T. B. Akins, 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 the writer's name in an attached envelope, on or before the 1st day of April of the year concerned. Essays become the property of King's College.

The Beatrice E. Fry Memorial—\$50

Established by the Diocesan Board of the W.A. of the Diocese of Nova Scotia, in memory of Miss Beatrice E. Fry. To be awarded to the woman student (Anglican) of the College obtaining the highest mark of the year in English 2, provided that mark exceeds 65%.

The Henry D. deBlois English Prize—\$30

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 College by February 15.

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 who makes the highest mark in either Latin 1 or Latin 2, provided the mark is not less than 65%.

The McCawley Classical Prize—\$35

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

Open to students who have completed their first year.

The Zaidee Horsfall Prize in Mathematics—\$10

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

Khaki Bursary—\$60

Awarded to the sons and daughters of the soldiers of the Great Wars. Written application must be made to the Registrar 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.

This scholarship is intended to aid students who may require assistance, and who shall have commended themselves by their exemplary conduct, although their abilities and achievements may not qualify them to be successful competitors for an open Scholarship.

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".

The Harry Crawford Memorial Prize—\$40

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

The prize is awarded 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.

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.

C. GRADUATE SCHOLARSHIPS, MEDALS AND PRIZES**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 will be given to an Honours Student.

The Rev. S. H. Prince Prize in Sociology

This prize was made available by a \$1,000 bequest under the will of the late Dr. S. H. Prince for annual award to both Dalhousie and King's Students.

Burns Martin Memorial Prize

Established in 1962 by a graduate of the University in memory of Dr. Burns Martin, for many years Professor of English and College Librarian, to be awarded at Encaenia.

The Rhodes Scholarship

This scholarship is of the annual value of 750 pounds sterling. Before applying to the Secretary (Dr. C. B. Ferguson, 6 Jennings St., Halifax) of the Committee of selection for the Province (which application must be made by November 1), consult the Registrar, King's College.

**Rhodes Scholars who have attended the
University of King's College**

- 1909 Medley Kingdom Parlee, B.A., '08
- 1910 Robert Holland Tait, B.C.L., '14
- 1913 Arthur Leigh Collett, B.A., '13
- 1916 The Rev. Douglas Morgan Wiswell, B.A., '14
M.A., '16
- 1916 The Rev. Cuthbert Aikman Simpson, B.A., '15
M.A., '16
- 1919 William Gordon Ernst, B.A., '17
- 1924 The Rev. Gerald White, B.A., '23, M.A., '24
- 1925 M. Teed, B.A. '25
- 1936 Allan Charles Findlay, B.A., '34
- 1938 John Roderick Ennes Smith, B.Sc., '38
- 1946 Nordau Roslyn Goodman, B.Sc., '40, M.Sc., '46
- 1949 Peter Hanington, B.A., '48
- 1950 Ian Henderson, B.Sc., '49
- 1950 Eric David Morgan, B.Sc., '50
- 1955 Leslie William Caines, B.A., '55
- 1962 Roland Arnold Grenville Lines, B.Sc., '61
- 1963 Peter Hardress Lavallin Puxley, B.A., '63

University Women's Club Scholarship—\$500

The University Women's Club of Halifax offers a scholarship of the value of \$500 every second year, 1964, 1966, etc., to a woman graduate of Dalhousie University or King's College, to assist her in obtaining her M.A. or M.Sc. degree at any recognized graduate school. For particulars apply to the Registrar.

The Canadian Federation of University Women Fellowships—\$1500 to \$2500

For information apply to the Registrar.

The Imperial Order Daughters of the Empire Post-Graduate Overseas Scholarship—\$2000

For information apply to the Registrar.

Imperial Oil Graduate Research Fellowships \$2500 for three years

For information apply to the Registrar.

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 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 Metcalf Street, Ottawa.

Rotary Foundation Fellowship

Open to graduate students for advanced study abroad. Available every second academic year, 1963, 1965, etc. Applications must be considered before August 1st of previous year. Information may be obtained from Rotary Clubs or the Registrar.

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, and 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

This Scholarship has been founded by Robert H. Morris, M.D., of Boston in memory of his father, the 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 present or recent 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, provided he reaches a satisfactory standard. Applications, stating the use which the applicant expects to make of the Scholarship, must be submitted to the Dean of Divinity on or before January 8 of the applicant's graduating year. The recipient will be required to serve in the Atlantic Provinces for a minimum of three years after his return from abroad.

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 depending on quality of work submitted, will be awarded to the properly accredited student entering the Divinity School for the first time in September, 1966, who stands highest in a special examination to be held on September 19, 1966, provided he reaches a satisfactory standard. The recipient 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 C. S. C. Williams) Oxford, 1953.

Awards will not be made every year.

The Daniel Hodgson Scholarship—\$240

Founded in 1883 by Edward J. Hodgson and the Reverend G. W. Hodgson in memory of their father Daniel Hodgson, who died about that time. 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—\$250

Three scholarships are to be awarded, primarily on the basis of financial need, to 2nd or 3rd year Arts students, or to older men with their Arts degree, in their 2nd or 3rd year of Theology.

John Clark Wilson Memorial Bursaries—\$100 each

Established in 1947 by Miss Catherine R. Kaiser, in memory of John Clark Wilson. Two bursaries of \$100 each, tenable for one year. Awarded to Divinity students deemed worthy of financial help.

Organ Fellowship—\$200

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

Glebe Scholarship

A scholarship of approximately \$100 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 scholarship and exemplary conduct shall, in the opinion of the Faculty, merit it. (Next award 1967).

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

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 Reverend 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

The Ven. Archdeacon D. Forsyth, D.C.L., of Chatham, N. B. who died in 1933, left to King's College \$1,000 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 Scripture. To be awarded on the combined results of Greek Testament 1 and 2.

Shatford Pastoral Theology Prize—\$40

Established by an anonymous donor, in memory of the late Rev. Canon Allan P. Shatford, C.B.E., D.C.L. Awarded annually for Pastoral Theology. The winner must receive a recommendation from the Professor of Pastoralia.

Laurie Memorial Scholarship

One or more scholarships of about \$250 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.C.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 of 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.

Prince Prize in Apologetics—\$60

Established by a bequest of the late Dr. S. H. Prince. Awarded every alternate year, at the discretion of the Faculty. (Next award 1967-68).

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 will be 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 Archbishop of Fredericton. The holders of these must fulfill such conditions as the Bishops lay down and in every case attend a personal interview. For further particulars apply to the Dean of Divinity.

The King's Divinity Scholarship—\$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.

Archbishop Kingston Memorial—\$100

Awarded annually by the Nova Scotia Diocesan W. A. on recommendation of the Divinity Faculty, to a needy Divinity Student.

The Wallace Greek Testament Prize—\$50

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: Epistle to the 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.

Bennett-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 The Hon. Captain Kenelm Edwin Eaton, B.Sc., L.Th., who made the supreme sacrifice while serving as a Chaplain in Italy, August 31, 1944. For particulars apply to Registrar.

Dr. C. Pennyman Worsley Prize—\$100

A memorial to the late Dr. Worsley. To be used in alternate years for a prize in Church History. Next award 1967-68.

Fenwick Vroom Exhibition—\$40

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

The Church Boy's 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. Particulars are available from 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 full course of Theology and in need of financial assistance.

Bursaries up to a total of \$300 each year.

Archbishop Owen Memorial Scholarships

A number of scholarships of \$300 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 of each year.

The Florence Hickson Forrester Memorial Prize—\$100

The prize, presented in memory of the late Mrs. Forrester, by her husband, 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 St. Matthew, Chapter V-VII provided always that the standard be sufficiently high.

Bibliography:

- T. W. Manson: The Sayings of Jesus, (SCM)
 J. Jeremias, The Sermon of the Mount, (Athlone Press)
 F. W. Beare: The Earliest Records of Jesus, (Blackwell)
 pp. 52-69 and 95-98.
 H. K. MacArthur: Understanding the Sermon on the Mount (Epworth).

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 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

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.

The Carter Bursaries—\$160

Two bursaries of a value of \$160 each, established under the will of Beatrice B. Carter of Amherst, Nova Scotia, to be used to assist young men studying for the Ministry.

Royal Canadian Air Force Protestant Chapel Bursary—\$120

This Bursary, established in 1959 by endowment from collections taken in R.C.A.F. chapels, is awarded annually at the direction 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

The Ott Reading Prize—\$25

Established by Dr. T. Gordon Ott. Awarded annually to a student of Divinity for the best reading of the Bible and the Services of the Church.

The Ott Preaching Prize—\$25

Established by Dr. T. Gordon Ott. Awarded annually to a student of Divinity for the best extempore sermon of an expository nature.

William A. and Kathleen Hubley Memorial Bursary—\$175

This bursary is designed to assist students from St. Mark's Parish, Halifax, and failing a suitable candidate then from any parish in the Diocese of Nova Scotia, who are studying for the Sacred Ministry at any recognized College in the Anglican Communion, preference being given to students studying at the University of King's College. The award is made on the basis of need and may be renewed provided a certain acceptable standard is attained. The recommendations of the Rector of St. Mark's and the Dean and Divinity Faculty are necessary conditions. The bursary must be applied for annually.

The Archdeacon Harrison Memorial Bursary—\$20

Established by Miss Elaine Harrison in memory of her father. To be awarded to a deserving and needy Divinity student, at the discretion of the Faculty.

St. Paul's Garrison Chapel Memorial Prize—\$20

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

The Clarke Exhibition

An endowment was established by the late Reverend Canon W. J. Clarke of Kingston, New Brunswick, the first charge upon which shall be the provision of copies of "The Imitation of Christ" to members of each year's graduating Class in Divinity. The balance of the income each year is to be awarded by decision of the Divinity Faculty to a deserving Divinity Student for the coming year.

LECTURESHIPS**The Archbishop Hackenley Rural Lectureship**

(A Diocesan Synod of Nova Scotia Foundation, with a supervisor appointed by the Synod and the 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.

Student Organizations

CO-ED CLUB

This organization was founded in October, 1913. It is open to all women graduates and undergraduates of King's College. The primary object is to act as a connecting link between former and present King's co-eds, and to assist Alexandra Hall in any way possible. It is this club that sponsors the annual formal co-ed dinner during convocation week.

THE 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 Intercollegiate Athletic Union and is governed according to the rules of that association. The K.C.A.A.A. enters teams in several intercollegiate competitions including soccer, basketball, curling, and tennis. There are also inter-bay competitions in softball, hockey, volleyball, badminton, ping-pong, and basketball.

KING'S COLLEGE GIRLS' AMATEUR ATHLETIC ASSOCIATION

The object of this organization is the promotion of amateur sports of all kinds. The K.C.G.A.A.A. is affiliated with the Maritime Provinces Amateur Athletic Association, and is governed according to the rules of that association. The K.C.G.A.A.A. sponsors intercollegiate teams in basketball and ground hockey, and in addition organizes and arranges co-ed badminton and volleyball matches in the King's College Gymnasium.

KING'S COLLEGE DRAMATIC AND CHORAL SOCIETY

This society was founded in 1931 to further interest in dramatics and choral work. The organization is entirely self-supporting, so all performances must pay for themselves. The society presents an evening of one-act plays during the first term, and a three-act play and a major musical during the second term. In addition, the society sponsors an inter-

bay play evening and enters a play in the Connolly Shield Competition.

The Dalhousie Drama Workshop, a branch of the Department of English, offers training in voice production, acting, dance, movement, make-up, costume, set design and construction, and lighting under the direction of experienced instructors. King's students are invited to participate in the activities and productions of the Workshop on the same basis as Dalhousie students. For further information, see the Secretary, Dalhousie Drama Workshop, 6188 South Street.

THE KING'S COLLEGE RECORD

The Record (founded 1878) is published by the undergraduates of the College during the academic year. It contains a summation of the year's activities and awards. The associate editors and the business manager of the Record are elected at the first meeting of the Fall term.

THE QUINTILIAN DEBATING SOCIETY

This society was founded in 1845 and it was largely owing to the initiative of this Society that the Maritime Intercollegiate Debating League was established. Quintilian sponsors interbay debates during the first and second terms. In addition the men participate in three Intercollegiate debates each year, and the co-eds in two debates.

THE HALIBURTON CLUB

The Haliburton Club was founded and incorporated by Act of Legislature in 1884, and is the oldest literary society on a college campus in North America. Its object is the cultivation of a Canadian Literature and the collecting of Canadian books, manuscripts, as well as books bearing on Canadian History and Literature. College students and interested residents of the city of Halifax meet each fortnight to listen to papers which are given by literary figures and by the students. 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. The annual meeting is held on Saint Andrew's Day, or as near to it as possible. Through the efforts of this organization, divinity students are provided with summer charges and foreign students have been afforded the opportunity of studying Theology at King's.

AWARDS

The Student Bodies of the University of King's College combine to award an overall "K" to participants in King's Activities. Under this system, begun during the 1956-1957 term, a student may receive a silver "K" upon amassing 125 points and a gold "K" upon amassing 200 points. This system applies only to those students entering King's during the 1956-1957 term and thereafter. Those who entered King's prior to that time are under a different system whereby each individual society awards its own "K" to those who have participated sufficiently in the activities of that particular society.

In addition several awards are presented to students for outstanding achievements in extra-curricular activities.

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 male student of the year. This award is given annually.

Warrena Power Award

Awarded to the girl who has contributed the most to college life during her years at King's.

The R. L. Nixon Award

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

The Prince Prize

This prize is designed for the encouragement of effective public speaking. The recipient is chosen by adjudicators in an annual competition.

The Bissett Award

This award is given annually to the College's best all-round male athlete.

The Arthur L. Chase Memorial Trophy

This is presented annually to the student who has contributed most to debating in the College.

The H. L. Puxley Award

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

LOAN FUNDS

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.

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 \$4.00.

The Association maintains annual scholarships.

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

The officers of the Association in 1965-66:

President: Robert J. McCleave, 1652 Robie St., Halifax, N. S.

Vice-President: The Rev. Walter R. Harris, 6155 Chebucto Rd., Halifax, N. S.

Vice-President: Mr. W. Ralph Lewis, 94 St. Peter's Road, Sydney, N. S.

Treasurer: Henry Muggah, Q.C., 6033 Belmont Rd., Halifax, N. S.

Executive Secretary: Mrs. P. H. Raymond, 1618 Walnut 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 object being to aid the Alumni in raising funds for the College. It maintains an annual scholarship and has instituted a fund to endow the Alexandra Chair of Divinity.

OFFICERS 1966 - 67

Patronesses Mrs. W. W. Davis
Mrs. A. H. O'Neil

Hon. Life Member H. R. H. Princess Alice

Hon. Life President Mrs. G. M. Ambrose
Mrs. H. D. Smith

Immediate Past President Mrs. A. G. MacIntosh
30 Southhill Drive, Clayton Park,
Rockingham, N. S.

President Mrs. V. McSweeney
7 Bligh St., Dartmouth, N. S.

Vice-Presidents Mrs. J. Harris
39 Villa Ave., Charlottetown, P.E.I.

Mrs. J. E. Lane
357 Brunswick St.,
Fredericton, N. B.

Mrs. G. Sitland
2150 Harvard St., Halifax, N. S.

Recording Secretary Mrs. C. W. Bennett
1560 Robie St., Halifax, N. S.

Corresponding Secretary .. Mrs. J. C. Erving
2231 Quinn St., Halifax, N. S.

Friends of King's Mrs. Victor Fairn
55 Lynn Drive, Dartmouth, N. S.

Calendar Secretary Mrs. C. Beaver
6281 Duncan St., Halifax, N. S.

CONVOCATION, MAY 12, 1965

DEGREES CONFERRED, SESSION 1964 - 65

Honorary Degree of Doctor of Civil Law (*honoris causa*)

Everett James Chambers
 Hugh Joseph Somers
 Clarence Mackinnon Nicholson

Degree of Master of Social Work

William Douglas Greatorex
 Wanda Mae MacLean
 Roy David McInerney
 Sharon Alene Wolstenholme (in absentia)

GRADUATING CLASS - 1965

Honorary Life President.....The Rev. Dr. Frantisek Uhlir
 Life President.....Lois Ellen Miller
 Life Vice-President.....John Richard Stone
 Life Secretary/Treasurer.....Margaret Ann Harris

Bachelor of Arts

Anderson, Helen Ruth.....Jollimore, N. S.
 Bowditch, Valerie Anne.....Armdale, N. S.
 Brown, Nancy Muriel.....Barker's Point, N. B.
 Crosthwait, Leigh Frances Clare.....Ottawa, Ont.
 Currie, Bertha Beatrice (Wilson).....Falmouth, N. S.
 Drysdale, Hazel Ann.....Wallace, N. S.
 Ferguson, Donald Robert.....Glace Bay, N. S.
 Godsolve, Valerie Margaret (Hons. Fr.) Toronto, Ont.
 Hamer, Maria Henrica (Snijders).....MacKenzie, British Guiana
 Hankey, Wayne John (Hons. Phil.).....Sackville, N. S.
 Harris, Margaret Ann.....Annapolis Royal, N. S.
 Hoare, Michael John (Hons. Sociol.).....Stockport, Cheshire, England
 Ives, The Rev. George Rodney.....Charlottetown, P. E. I.
 Jones, David Allen (Hons. Psychol.).....Amherst, N. S.
 Leefe, Nancy Elspeth (Morrison).....Summerside, P. E. I.
 McColman, Roy Laurence.....Trinidad, W. I.
 MacLeod, Wayne Smith.....Glace Bay, N. S.
 McMillan, Caldwell Allison Roe.....Newport, N. S.
 Miller, Lois Ellen (Hons. Eng.).....Windsor Junction, N. S.
 Oram, Douglas Isaac.....Sydney Mines, N. S.
 Pullen, Helen Magdalene.....Halifax, N. S.

Sanford, Nancy Jean.....Halifax, N. S.
 Severance, Christopher Churchill.....Sydney, N. S.
 Sharp, Wendy Joan.....New Glasgow, N. S.
 Smith, Harry Deryk.....Halifax, N. S.
 Stone, Carmen Walter William.....Halifax, N. S.
 Stone, John Richard (Hons. Classics).....Halifax, N. S.
 Thompson, Alfreda Marie Elizabeth
 (Hons. Psychol.).....Saint John, N. B.
 Vincent, Thomas Brewer (Hons. Eng.).....Windsor, N. S.
 Waterhouse, Robert Kenneth.....Greenwood, N. S.

Bachelor of Science

Bessonette, John Rupert Webster.....Halifax, N. S.
 Parsons, William Derwyn.....Tangier, N. S.
 Williams, William Lewis.....Sherbrooke, P. Q.

DIPLOMAS GRANTED

Licentiate in Theology

Anderson, The Rev. James William.....Sydney, N. S.
 Brown, The Rev. Creighton Roy.....Sydney, N. S.
 Hartry, The Rev. David Robert.....Round Hill, P. E. I.
 Ives, The Rev. George Rodney.....
 Morrison, The Rev. Ian David.....Sackville, N. S.
 Myles, The Rev. David Sterling.....Edmundston, N. B.

AWARDS MAY 1965

Arts and Science

Governor General's Medal	Lois Miller
The Bishop Binney Prize	Peter Harris
The Dr. M. A. B. Smith Prize	Peter Harris
The Almond-Welsford Testimonial	Peter Harris
The McCawley Classical Prize	Peter Harris
The Zaidee Horsfall Prize in Mathematics	Gillian Keirstead Heidi Aitken
The Henry D. deBlois English Prize	Lois Miller
Beatrice E. Fry Memorial	Clare Christie
L'Alliance Francaise Medal	Valerie Godsolve
The Lawson Prize	Star Eagles
The Khaki Bursary	Frederick Jones
The Rev. S. H. Prince Prize (Sociology)	Michael Hoare
The Binney Bursary	Michael Stokoe
The Jackson Bursary	Michael Stokoe
The Harry Crawford Memorial Prize	Glen Kent
The Charles Cogswell Bursary	Margaret Burstall
The Deihl Bridgewater Bursary	Sally Bergasse

Divinity

The George Sherman Richards Proficiency Prize	The Rev. Timothy A. Grew
Shatford Pastoral Theology Prize	The Rev. Creighton R. Brown
Kenelm Eaton Memorial Scholarship	The Rev. James H. Purchase
The Ott Preaching Prize	The Rev. Gordon C. Neish
The Ott Reading Prize	Ronald W. Pattison
Junior McCawley Hebrew Prize	Caldwell A. McMillan
William Cogswell Scholarship	Gordon Granchelli

SCHOLARSHIPS AWARDED MAY 1965

Post-graduate

Canon W. S. H. Harris Scholarship.....The Rev. Creighton Brown

Undergraduate

Alumni Scholarship.....Geoffrey James MacDonald

Alumni New Living Endowment Scholarship.....Mary Louise Parker
Margaret Jennie Bailey

April Fund Scholarship.....Frank Eric Christiansen

Chancellor's Scholarship.....Annette Marie Hayward*
John William Cleveland*
Sharon Dawn Connell
Margaret Gail Milner
Clare Willis Christie

Foundation Scholarship.....Catherine Adele Brennan*
Jeanette MacGillivray*
Anne Elizabeth Wainwright*
Ralph Andrew Sherwood
Norma Jean Peach
John Hilton Page

* Re-awarded

Halifax-Dartmouth Entrance Scholarship... Susan Brooke Brady*
Margaret Ann Burstall*
Dale Heather Blanche*
Marsha Elizabeth MacLean*
Anne Betty Daniels
Ronald Greer Marks
Stuart Bradley McPhee
Allen Douglas Purdy
Janet Elaine Berringer
Andrew MacKay Watt
Aileen Gertrude Boutilier
Cynthia Joy Smith
John Carter Risley
Lynda Sharon Stewart
Nancy Frances Mosher
Joanne Margaret Snair
Stephen Berkley Stropole

Keating Trust Scholarship.....Margaret Susan Russell
Helen Anita Clark

King's College Naval Bursary.....Kim Scotney Cameron

Living Endowment Foundation Scholarship.....Gordon Harrison Cleveland*

Walter Lawson Muir.....John Keith Hatcher

Nova Scotia Light and Power Scholarship...Ira David Abraham*

President's Scholarships.....Peter Wright Harris
George Davis Keirstead
Dennis Edwin Walsh

Stevenson Scholarship.....Annette Marie Hayward
Peter Wright Harris

Margaret and Wallace Towers Scholarship.. Robert Buchanan Hyslop

Winfield Memorial Entrance Scholarship... Peter Daniel Swan

* Re-awarded

