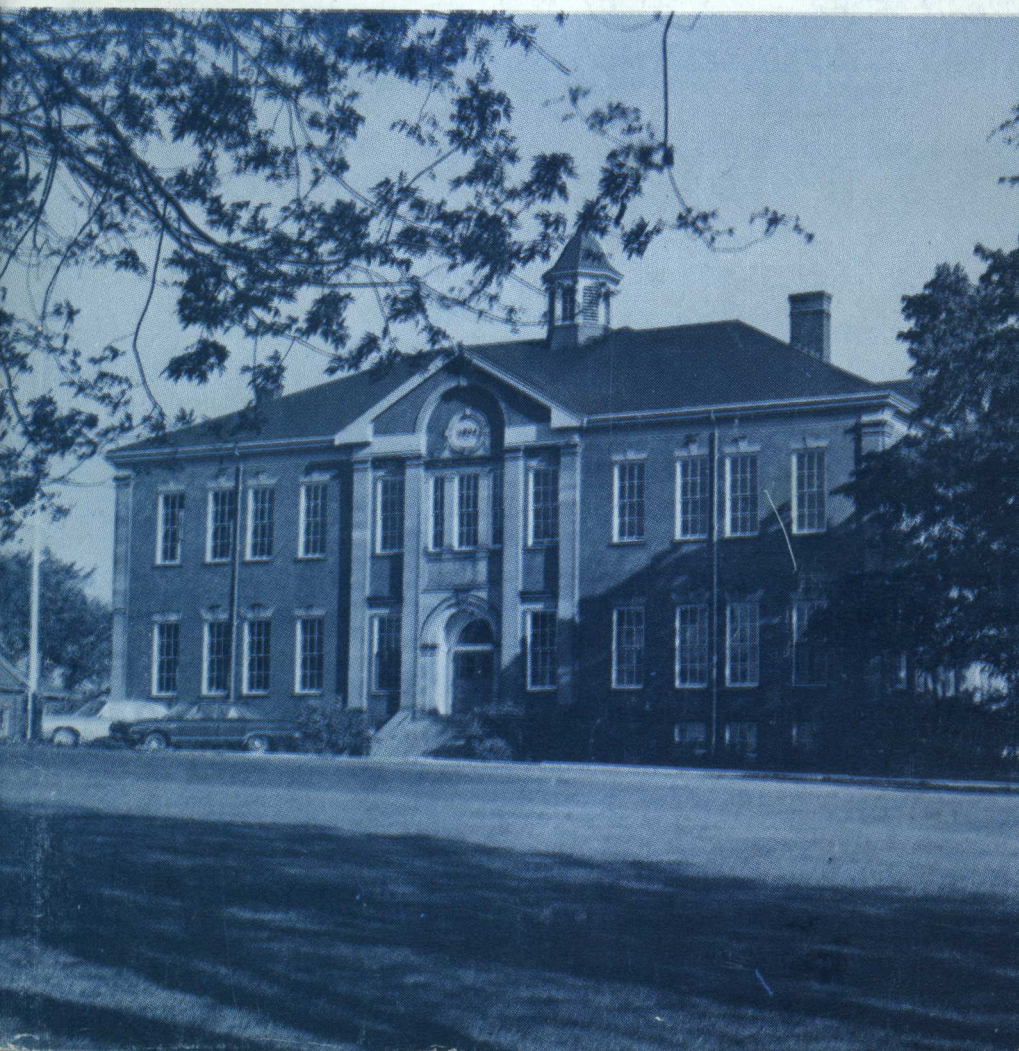


NOVA SCOTIA AGRICULTURAL COLLEGE

1967-1968



APPLICATION FOR ADMISSION

NOVA SCOTIA AGRICULTURAL COLLEGE

Date.....

Name in full.....

Address.....

Birthday..... Religious Denomination.....

Day Month Year

Next of Kin..... Relationship.....

Address.....

Are you a close relative of a former student? If so, please give the name, degree of relationship, and, if possible, the year of the former student.....

If you were not in high school during the 1966-67 school year, what educational institution or institutions have you attended since you were in high school?.....

Course Desired:

Second Year Diploma.....

First Year Technician: Agricultural Business.....

Animal Science.....

Plant Science.....

Second Year Technician.....

First Year Degree..... Second Year Degree.....

Applications for admission to the first year of the Degree Course will not be considered until an official transcript of matriculation marks has been submitted.

Applications for admission to the first year of the Technician Course will not be considered until an official transcript of the required marks (provincial or school) has been submitted.

All applicants for admission for the first time must submit a recent photograph (approximately two inches by three inches.)

State practical farm experience, giving name and address of employers....

Before signing this application form, I have noted the rules and regulations of the College.

Signature of Applicant.....

Signature of Parent or Guardian.....

(Required only if applicant is under 21)

Questions to be answered and form returned to:

THE REGISTRAR

THE NOVA SCOTIA AGRICULTURAL COLLEGE

TRURO

SIXTY-SECOND ANNUAL

CALENDAR

OF THE

NOVA SCOTIA
AGRICULTURAL COLLEGE
TRURO

UNDER

The Nova Scotia Department
of Agriculture and Marketing

1967-1968

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1967

JULY

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1968

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CALENDAR FOR SESSION 1967-68

1967

September 11-12	Supplemental examinations
September 13	Registration 8:30 a.m. - 11:30 a.m. 1:30 p.m. - 4:30 p.m.
September 14	Lectures begin at 8:30 a.m.
October 9	Thanksgiving Day. No classes.
December 11	Last day of classes, first term
December 13-19	First term examinations

1968

January 3	Second term begins at 8:30 a.m.
April 12-15	Easter Weekend. No Classes
April 17	Last day of classes, second term
April 20-26	Second term examinations
May 1	Graduation exercises

Trueman House and Chapman House will be open as follows:

- for students who have to write a supplemental examination, after dinner on September 10;
- for all others, after dinner on September 12.

Any student who wishes to use the facilities of Trueman House before the times set down will be charged at the rate of \$5.00 per day.

Registration consists of presenting a medical certificate dated not more than thirty days before registration day, and of paying fees and tuition and, if applicable, the first board and lodging instalment. No student will be registered without fulfilling these requirements and no student who is not registered will be permitted to attend classes.

A student who registers late must have permission from the Principal and will be required to pay a penalty of \$5.00 per day for each day he is late.

OFFICERS OF ADMINISTRATION

Principal

W. A. JENKINS, B.Sc. (Agr.) (McGill), M.Sc. (Cornell),
Dr. P.A. (Harvard)

Vice-Principal

J. E. SHUH, B.S.A. (Toronto), M.Sc. (McGill)

Dean, Vocational and Technical Training

A. D. ELLS, B.Sc. (Agr.) (McGill), M.A. (Acadia)

Registrar—Dean of Residence

PARKER COX, B.A. (Acadia), M.A. (Toronto)

Librarian

I. M. FRASER, B.Sc. (Dalhousie)

Business Manager

R. F. McEWAN

Secretary

MRS. ISABEL D. FORBES

FACULTY COUNCIL

Principal

W. A. JENKINS, B.Sc. (Agr.) (McGill), M.Sc. (Cornell),
Dr. P.A. (Harvard)

Agricultural Engineering

G. E. TOWNSEND, B.Sc. (Agr.) (McGill)

Assistant Professor

J. T. MacAULAY, B.S.A. (Toronto), B.E. (Nova Scotia
Technical College)

Assistant Professor

Agronomy

J. E. SHUH, B.S.A. (Toronto), M.Sc. (McGill)

Professor

D. T. SLATER, B.Sc. (Agr.) (McGill), M.S.A. (Toronto)

Lecturer (on loan), Agronomist

Animal and Poultry Husbandry

- S. L. CURTIS, B.S.A. (Toronto), M.Sc. (Massachusetts),
Ph.D. (Minnesota)
Associate Professor
- D. R. MacDONALD, B.Sc. (Agr.) (McGill)
Assistant Professor
- A. R. MAIN, D.V.M. (Toronto)
Lecturer (on loan), Provincial Veterinarian
- E. G. MAYNARD, B.S.A. (Toronto)
Lecturer (on loan), Livestock Fieldman
- S. F. ALLABY, B.Sc. (Agr.) (McGill)
Lecturer (on loan), Provincial Poultry Superintendent
- J. F. LORD
Lecturer (on loan), Dairy Fieldman

Biology

- A. E. ROLAND, B.A. (Acadia), M.A. (Toronto), Ph.D.
(Wisconsin)
Professor
- M. E. NEARY, B.Sc. (Agr.) (McGill)
Assistant Professor
- A. A. MacNAB, B.Sc. (Agr.) (McGill), M.Sc. (Cornell)
Lecturer
- E. A. KARMO, B.Sc. (Tartu)
Lecturer (on loan), Apiarist

Chemistry

- W. M. LANGILLE, B.Sc. (Acadia), M.Sc. (McGill)
Associate Professor
- J. E. HAWLEY, B.Sc. (Agr.) (McGill)
Assistant Professor
- J. E. MILLIGAN, B.Sc. (Agr.) (McGill)
*Lecturer (on loan), Assistant Director of Agronomy
Services*

Economics and Farm Management

- A. D. ELLS, B.Sc. (Agr.) (McGill), M.A. (Acadia)
Associate Professor
- W. V. GRANT, B.Sc. (Agr.) (McGill), M.Sc. (Connecti-
cut)
Lecturer (on loan), Director of Extension Services
- D. M. BYERS, B.Sc. (Agr.) (McGill)
Lecturer (on loan), Supervisor of Farm Management
- P. R. GERVASON, B. Com. (Acadia), M.A. (University
of Alberta)
Lecturer (on loan), Economist
- DOUGLAS JOSE, B.Sc. (Agr.) (McGill)
Lecturer (on loan), Farm Management Specialist

English and History

PARKER COX, B.A. (Acadia), M.A. (Toronto)

Associate Professor

W. J. HAWKINS, B.A. (St. Mary's), M.A. (New Brunswick) *Lecturer*

Horticulture

H. A. L. MacLAUGHLIN, B.Sc. (Agr.) (McGill), M.Sc. (Cornell) *Assistant Professor*

G. D. PALFREY, B.Sc. (Agr.) (McGill)
Lecturer (on loan), Weed Control Specialist

Mathematics and Physics

I. M. FRASER, B.Sc. (Dalhousie) *Assistant Professor*

S. G. SMITH, B.Sc. (Mount Allison) *Lecturer*

Physical Education

K. S. MARCHANT, B.P.Ed. (New Brunswick) *Lecturer*

Lecturer on loan are members of the staff of the Nova Scotia Department of Agriculture and Marketing.

SCHEDULE OF PAYMENTS

The College reserves the right to make changes without notice in its published scale of charges for tuition, board and lodging, and other fees. Refunds will not be made except as stated below.

All payments are to be made on the dates stated. Students are requested not to ask for a postponement. A student whose payment is ten days overdue and who has not made arrangements satisfactory to the College will be asked to withdraw.

DEGREE COURSE

Payments due September 13, 1967

Tuition.....	\$150.
Board and lodging.....	\$240.
Caution deposit.....	\$ 10.
Students' Council.....	\$ 30.
Medical fee.....	\$ 6.

\$436.

Payments due January 3, 1968

Tuition.....	\$150.
Board and lodging.....	\$290.

\$440.

Books (estimated), September 13, 1967..... \$ 75.

TECHNICIAN COURSES

Tuition Free to residents of the Atlantic Provinces, the governments of which are sharing the operating costs of the Technician Courses.

Payments due September 13, 1967

Board and lodging.....	\$240.
Caution deposit.....	\$ 10.
Students' Council.....	\$ 30.
Medical fee.....	\$ 6.
	<hr/>
	\$286.

Payment due January 3, 1968

Board and lodging.....	\$290.
Books (estimated), September 13, 1967.....	\$ 65.

DIPLOMA COURSE

Tuition Free to residents of the Atlantic Provinces, the governments of which are sharing the operating costs of the Diploma Course.

Payments due September 13, 1967

*Board and lodging.....	\$240.
Caution deposit.....	\$ 10.
Students' Council.....	\$ 30.
Medical fee.....	\$ 6.
	<hr/>
	\$286.

Payment due January 3, 1968

*Board and lodging.....	\$290.
Books (estimated), September 13, 1967.....	\$ 25.

*These are totals. The amount paid by the student will vary with the amount of assistance paid by his province.

If a student withdraws during the term, except for health or other compelling compassionate reasons, he will receive no refund of the tuition fee. Any balance of board and lodging payment over and above the initial deposit of \$25.00 will be refunded.

If a student withdraws during the first week of the academic year, the Students' Council and Medical Services fees will be refunded. After the first week there will be no refund except for a withdrawal for health or other compelling compassionate reasons. After a student has withdrawn the Students' Medical Fund will have no further responsibility for him.

RESIDENCE

All male students except those living at home will be required to live in one of the College dormitories unless special permission to live out has been granted by the Principal.

Students for whom a room has been reserved in a dormitory are required to pay a deposit of \$25.00, returning students before July 31 and new students as soon as they are accepted for admission.

An applicant for whom a room has been reserved and who finds it necessary to cancel his reservation will be refunded his deposit, provided that notice of cancellation reaches the Registrar's office not later than September 6.



GENERAL INFORMATION

The Nova Scotia Agricultural College was formally opened in 1905 to assume and expand the work which for several years had been carried on by the School of Horticulture in Wolfville and the School of Agriculture in Truro. The College operates under authority of an act of the legislature of Nova Scotia.

Over the years instruction has been offered at various levels: among them the first and second years leading to a degree in Agriculture, semi-vocational courses, and short courses designed for the occasion to fill a specific need. Commencing in 1966-67, the first year of a technician course was offered; in 1967-68 and subsequent years a second and a third year will be offered at this level. In addition, commencing in 1967-68, a series of vocational courses on specialized topics will be offered.

During the sixty-two years of its existence the Nova Scotia Agricultural College has had very close affiliations with the Ontario Agricultural College (now a college of the University of Guelph) and Macdonald College of McGill University, at which institutions most of its graduates from the Degree Course have completed the studies leading to a degree. In line with changes made at Macdonald College and the University of Guelph, the Nova Scotia Agricultural College is now offering three years of degree credits in advance of junior matriculation and two years in advance of senior matriculation.

A number of graduates of the Nova Scotia Agricultural College have continued their studies at the Ontario Veterinary College (now a college of the University of Guelph). Qualified graduates from the Degree Course are considered for admission to the first year in veterinary medicine.

To the student who wishes to farm, to accept employment in a farm-related industry, or to engage in professional agriculture, the College offers courses designed to better fit him for the line of endeavor he wishes to follow.

Agriculture offers to the alert man the widest possible field for study and opportunity. Its problems are a challenge to the keenest minds that can be brought to bear upon them, and it offers to many a young man the possibility of a career that will bring opportunity for useful service and distinction.

The record of the graduates of this institution, over the sixty-two years the College has been in existence, is conclusive evidence that Maritime students can obtain a sound agricultural education in the courses offered at the Nova Scotia Agricultural College, located on a 550 acre property at Bible Hill, a mile north-east of Truro, Nova Scotia.

The College is well equipped with buildings. Cumming Hall, Harlow Institute, the Agricultural Engineering Building, the Horticultural Building, and the Dairy Building provide adequate teaching facilities for all subjects offered and offices and laboratories for a large proportion of the staff of the Nova Scotia Department of Agriculture and Marketing. Trueman House and Chapman House provide living accommodations for approximately 300 male students. It is anticipated that a new Animal Husbandry building and new barns will be available during the 1967-68 academic year.

The Faculty reserves the right to withhold any first year course for which less than five students apply.

The Faculty will give sympathetic consideration to any student who wishes to take a special selection of courses in order to fill a specific need.

The various courses arranged for the 1967-68 college year are listed and described elsewhere in the calendar. The Faculty reserves the right to make any revisions and additions that may be found to be necessary.

Post Office Address:

All mail should be addressed:

Nova Scotia Agricultural College, Truro, N. S.

Telephone:

Nova Scotia Agricultural College, Truro 893-4467.

Railways:

Truro is on the main line of the Canadian National Railways from Halifax to Moncton, and from Sydney to Halifax. Truro is also the terminus of the Yarmouth to Truro Dominion Atlantic Railway which serves the Annapolis Valley.

Highways:

Provincial Highways 2 and 4 lead to Truro from North, South, East and West. Number 1 Highway joins Number 2 Highway at Bedford, near Halifax.

Bus Lines:

The Acadian Coach Lines maintains a bus terminal and ticket office at Truro.

Banks:

The following chartered banks have branches in Truro:

The Bank of Nova Scotia

The Canadian Imperial Bank of Commerce

The Royal Bank of Canada

The Bank of Montreal

Churches:

The following churches, to which students are invited, are located in Truro:

Protestant—

First Baptist Church
Immanuel Baptist Church
Zion Baptist Church
St. John's Anglican Church
St. James' Presbyterian Church
First United Church
Brunswick Street United Church
St. Andrew's United Church
St. David's United Church, Bible Hill
The Salvation Army
Calvary Pentecostal Church
Wesleyan Methodist Church

Roman Catholic—

Church of the Immaculate Conception

Telegrams:

Branches of both Canadian National Telegraphs and Canadian Pacific Telegraphs are located in Truro.

Address all telegrams in care of:

Nova Scotia Agricultural College, Truro, N. S.

Express and Freight:

Express or freight may be forwarded to the Nova Scotia Agricultural College by either the Canadian National Railways or the Canadian Pacific Railway, since both lines maintain offices in Truro.

College Colors:

Royal Blue and Regular Gold.

CANADA STUDENT LOANS PLAN

The Academic Year 1967-68 will be the fourth year of operations for the Canada Student Loans Plan. This Plan was introduced by the Federal Government as a broad program to assist students who, in the absence of a loan, would be unable to pursue full time post-secondary studies at a University or other Educational Institution. Canada Student Loans, available only on the basis of Certificates of Eligibility issued by the appropriate authority (Issuing Agency) for a Province may be made by any branch of the chartered banks and by certain designated credit unions with the guarantee of the Federal Government.

Applications for Certificates of Eligibility must be made to Provinces participating in the Plan, and decisions on individual applications are made by the Provincial Appropriate Authority (Issuing Agencies). Students applying for Certificates who meet residence and other requirements must also demonstrate that the financial means available to them from all other sources are insufficient so that a guaranteed loan is needed. In no case will a loan for an academic year exceed a maximum of \$1,000, or total loans exceed \$5,000 during the student's academic career. Provincial Authorities may issue Certificates of Eligibility under the Plan up to the limits of Provincial allocations in each loan year.

Borrowers under the Plan are required to repay principal and pay interest, but no payments are required as long as they are full time students at a specified Post-Secondary Educational Institution and for six months thereafter; interest during this period is paid by the Federal Government on behalf of the student. After a student's interest-free period has expired, he is required to make regular monthly payments which include repayment of principal and $5\frac{3}{4}$ per cent per annum simple interest on the outstanding balance. The number of years over which a loan may be repaid depends on the loan amount and other considerations but may not exceed ten years from graduation.

A student should apply for a loan under this Plan for the funds needed to enable him to continue his studies and in doing so he should give responsible consideration to the repayment obligations he is assuming; a student who actually borrowed the maximum of \$5,000 would, for instance, be obligating himself to pay, after the expiry of his interest-free period, about \$58.00 each month until ten years after he leaves University.

A student in need of a Canada Student Loan should, as a first step, obtain an application form and further information from the Registrar.

(The information given above is inserted at the request of the Nova Scotia-Canada Student Loans Committee and is subject to revision should the Government of Canada change its policy.)

RULES AND REGULATIONS

GENERAL REGULATIONS

All students are under the charge of the Principal and are responsible to him at all times for their conduct. The Principal is authorized to make such additional regulations as may be found necessary for the discipline of the College and to impose fines or other penalties for any infraction of rules and regulations.

All students are expected to attend all lectures, discussion groups, and laboratory periods, whether scheduled on the timetable or announced by the instructor. The members of the Faculty believe that a student should, for his own good, miss as few instructional periods as possible.

A student who arrives late or who is inattentive during an instructional period may be refused credit for attendance.

Students who are ill must report such illness to the Registrar at once.

Students wishing to absent themselves from classes for compassionate reasons must obtain permission from the Principal.

Authorized absences for students for College activities will be credited toward the required attendance.

Students must not destroy, deface, or meddle with college property.

Every student is expected to show, both within and without the college, such respect for order, morality and the rights of others, and such sense of personal honour as is demanded of good citizens and gentlemen. Students found guilty of immoral, dishonest or improper conduct, intemperance, violation of rules, or failure to make satisfactory progress, shall be liable

to college discipline including: suspension from classes or residence, disqualification from competing for honours or prizes, or withdrawal from the College.

Intoxicating liquors are strictly prohibited on College property.

All forms of initiation and hazing are forbidden.

RESIDENCE REGULATIONS

Students must not remove glasses, silver, dishes, or any article of furniture from the dining hall.

For the noon and evening meals on Sunday, students are required to wear a coat (jacket or blazer), and a dress shirt and tie. For noon and evening meals on week days, students must wear a sweater or coat. Details of dress regulations will be contained in the Students' Council Handbook, a copy of which will be provided to all students.

Nothing (pictures, banners, etc.) is to be attached to the walls of any College building.

Students will be required to provide their own towels, soap and drinking glass. Sheets, pillows, pillow cases, blankets and furniture will be provided by the College.

All clothing and towels should be marked with the owner's name.

A laundry room is available for the use of students. This room is equipped with washing machines, driers, set tubs, irons and ironing boards. No laundry will be permitted in the washrooms or bedrooms.

Each room is provided with a broom and dust pan. It will be the responsibility of the student to keep his room clean and tidy at all times. Rooms will be inspected daily.

No firearms are permitted on College property.

Students wishing to entertain visitors in the dining hall must purchase meal tickets from the doorman on duty before the meal starts.

Students wishing accommodation for over night visitors in the dormitory must obtain permission from the Dean of Residence.

Students living out of residence must obey all residence rules while visiting in the dormitory.

No student may bring a lady into Trueman House without first obtaining permission from the Dean of Residence.



CAUTION DEPOSIT

Every student, at time of registration, must make a cash deposit of \$10.00 with the Registrar to cover breakage. As soon as any student's deposit is exhausted, he or she will be required to make an additional deposit of the same amount.

Should any student, or students, destroy or deface college property, the cost of repairing such damage will be the responsibility of the student or students concerned.

All caution deposits are subject to a general levy for untraceable breakage and damage to buildings and equipment.

This fee, less deductions, will be refunded within two months after the closing of the College year.

MEDICAL EXAMINATION

Students at time of registration must be in possession of a medical certificate dated not more than 30 days previous to registration. If required, students must submit to further medical examinations upon request.

CONTAGIOUS OR INFECTIVE DISEASES

Students on holiday or accepted candidates for admission who become subject to an attack of any contagious or infective diseases, or who reside in any dwelling in which any such disease exists, shall be subject to quarantine regulations approved by the medical profession.

In all cases of students, or accepted candidates for admission, suffering from, or coming in contact with those suffering from any contagious or infective disease, a medical certificate shall be required before they are allowed to return to the College.

MEDICAL FEE

The medical fee of \$6.00 per year charged each student at registration provides for him free doctor's attendance during the college year. It does not provide for drugs, hospitalization, or operations requiring hospital care. None the less, sympathetic consideration is given such cases in the light of their need and the state of the fund.

RAILROAD FARES REFUNDED

Students from the Province of New Brunswick taking any two-year course will have one return railroad fare refunded to them each year by the New Brunswick Department of Agriculture. Such refund will be made at the close of the second term, provided that they have passed the requirements for the year. No application is necessary.

STUDENT GOVERNMENT

Through a system of self-government students are encouraged to accept the greatest possible amount of responsibility in connection with their own affairs. Only students taking regular courses are allowed to act as executive members of the Students' Council, or as members of student committees.

A committee of Faculty members, appointed by the Faculty to act in an advisory capacity, cooperates with student committees on financial, literary, social and athletic affairs in order that every possible benefit may be derived from such activities.

SOCIAL

The Students' Council each year appoints a Social Committee which directs the social activities of the College. Informal dances are held at regular intervals. These dances are planned and supervised by the Social Committee and two or more members of the Faculty.

The churches of the Town of Truro are very friendly and extend a welcome to all students attending the Agricultural College. The churches entertain the student body on many occasions during the college year and at these functions pleasant associations are formed under very desirable auspices.

DEBATING SOCIETY

The Students' Debating Society conducts a series of inter-class debates. The champions are awarded the Nova Scotia Department of Agriculture and Marketing debating trophy. The activities of the Society are a valuable supplement to the weekly public speaking classes.

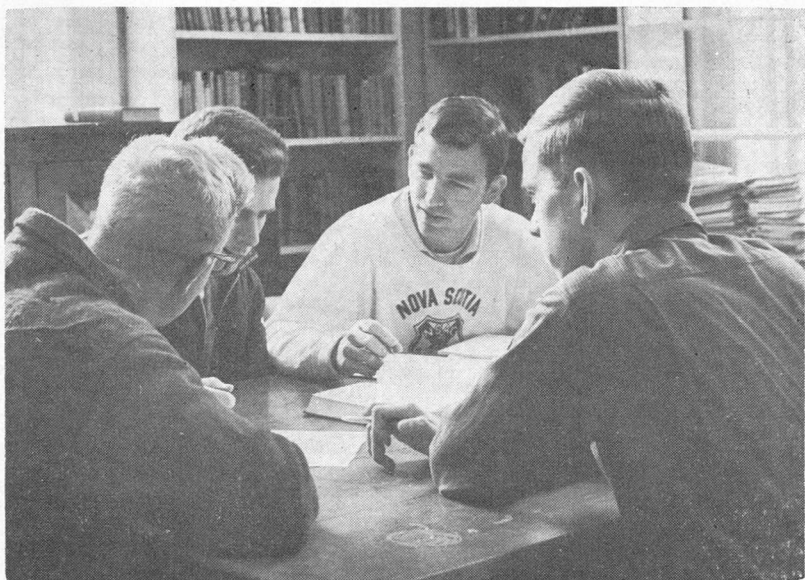
LIBRARY

The library and reading room are centrally located in Cumming Hall and students are invited to make full use of the books and bulletins in the library. The choice of books has been directed towards bringing together the best of modern literature, including subjects of the curriculum of the College

The reading room is supplied with a number of farm and trade journals, literary, scientific and general periodicals, the daily papers, an assortment of weekly publications and other reading material believed to be of interest to the student body.

MUSIC

Music finds a place in the recreative and social activities of the College. It is suggested that those having violins, guitars or other orchestral instruments should bring them.



GLEE CLUB

A students' Glee Club has won recognition in choral work. Students who have vocal talent are invited to participate.

PHYSICAL EDUCATION AND ATHLETICS

A required program of physical education forms a part of the college academic year. Each group has two classes per week. The basic objectives of the program include the development of healthy attitudes, realization of social ends, emotional development, and recreation.

Supervised athletics also are a regular part of the college program. Teams represent the students in local leagues and, as much as possible, in competition with other colleges and rural high schools. An interclass program provides an opportunity to the student who so desires to play a variety of games.

All students are to be in possession of a pair of running shoes, shorts, T-shirt and two pair of heavy white socks. They are encouraged to bring with them any other athletic equipment that they have in their possession, such as soccer boots, warm-up suits, skates, etc.

ATHLETIC REGULATIONS

All students are eligible to play for teams representing the College, subject to the following exceptions:

- (a) No student who has failed in more than one subject will be allowed to play on more than one team representing the college.
- (b) No student who has more than two failures will be allowed to play on any team representing the College, excepting at the discretion of the Faculty Committee on Athletics and the individual coach concerned.

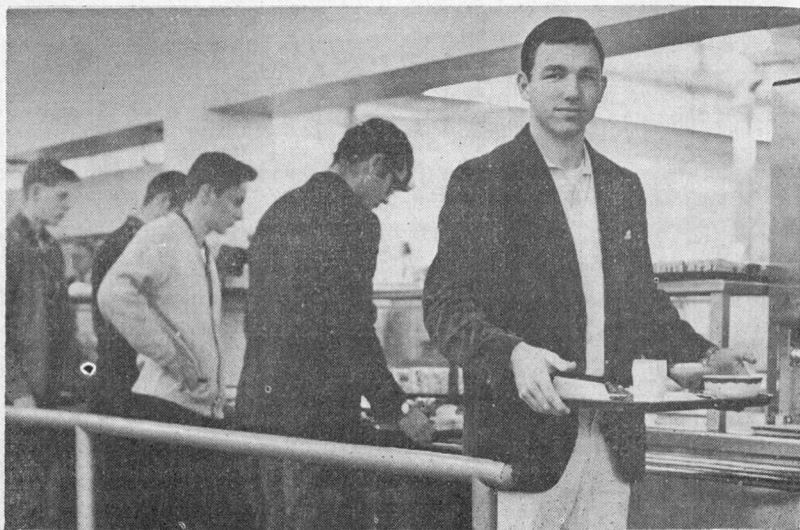
All teams or groups that go to any community or institution to participate in athletic or other activities must be accompanied by a member of the College staff.

OUTSIDE SPORTS

A student wishing to participate in athletics other than those sponsored by the College must apply in writing to, and obtain permission from, the Principal before participating either as a player or an official.

Any expenses incurred through injury while playing in outside games will be the responsibility of the student concerned, and will not be the responsibility of the students' medical fund.

Students who lose time from classes due to participating in outside games will not receive an attendance credit for the time lost.



VOCATIONAL and TECHNICAL COURSES

The Nova Scotia Agricultural College intends to introduce over the next few years an expanded program of studies leading to Vocational Certificates, Technician Diplomas, and Diplomas of Technology. The first course of this new series (a two year course in Agricultural Business leading to a Technician Diploma) began in September, 1966. The expanded Vocational and Technical training program, which is accompanied by a four and one-half million dollar building expansion, will replace the two year Diploma Course that has been offered in the past. The capital costs for these courses are shared by the Government of Canada and the Government of Nova Scotia, while the operating costs are shared by each Provincial Government in the Atlantic Region.

I. DIPLOMA COURSE

For the last time the second year of the Diploma Course will be offered in 1967-68. The first year will not be offered. Graduates of the course will receive a diploma entitling them to the status of an "Associate of the Nova Scotia Agricultural College."

FINANCIAL ASSISTANCE — PRINCE EDWARD ISLAND STUDENTS

A number of bursaries are available to worthy students of satisfactory academic standard attending the Nova Scotia Agricultural College Diploma Course. These, in the amount of \$150.00 each, will be paid to the College for board and lodging, \$75.00 the first term and the remainder during the second term providing the work of the student is satisfactory. Application forms for this bursary are available from the Director of Vocational Education, Department of Education, Charlottetown, or from the Prince Edward Island Department of Agriculture, Box 2000, Charlottetown. Completed applications must be received by September 15th.

If needed, an additional amount in the form of a loan not to exceed \$200.00 per year is available. One-half will be available for the first term and the remainder during the second term providing the work of the student is satisfactory. These loans are repayable upon completion of training with interest at the rate of 6% per annum, commencing July 1st of the year in which training is completed. Payments may be

spread over a five year period. Information on these loans is available from the Prince Edward Island Department of Education, Charlottetown, Prince Edward Island.

Financial assistance for Diploma Course students to the extent of one dollar per day will be provided by the Dominion and Provincial Governments under the Youth Training Plan. This is available to genuine Diploma Course students who must board away from home. This money is paid directly to the College to assist with board and meals. Application for this is not necessary.

FINANCIAL ASSISTANCE — NOVA SCOTIA STUDENTS

Financial assistance for Diploma Course students to the extent of one dollar per day will be provided by the Dominion and Provincial Governments, under the Youth Training Plan. This is available to genuine Diploma Course students who must board away from home.

One return railway fare from his home to Truro will be refunded to each Diploma Course student, one half on the last day of classes before Christmas and one half at the end of the academic year. So far as this calendar is concerned, both these provisions apply only to Nova Scotian students.

The Province of Nova Scotia provides a bursary of \$100 for each Nova Scotian registered in the Diploma Course. Half the bursary will be credited to the student's board and lodging account in September and half in January.

FINANCIAL ASSISTANCE — NEW BRUNSWICK STUDENTS

Financial assistance for Diploma Course students to the extent of one dollar per day will be provided by the Dominion and Provincial Governments under the Youth Training Plan. This is available to genuine Diploma Course students who must board away from home. This money is paid directly to the College to assist with board and lodging.

One return railway fare from his home to Truro will be refunded to each Diploma Course Student. This refund will be made at the end of the academic year, provided the student has completed his year.

The Province of New Brunswick provides a bursary of \$100.00 for each New Brunswick student registered in the Diploma Course. Half of the bursary will be allotted at the be-

ginning of the fall term and the balance after the Christmas recess. Both of these amounts will be credited to the board and lodging account of the recipient.

It is not necessary to apply for any of this financial assistance.

COURSE STANDARDS

- (a) Before receiving a diploma, students must spend at least one cropping season, and may be required to spend two cropping seasons, on a farm. The amount of practical experience required will depend upon the ability of the student to demonstrate his grasp of the fundamentals of farm operations. The season spent working on a farm may be before college entrance or between the first and second years or immediately following the second year.
- (b) Candidates for enrollment in the second year of the Diploma Course must have completed the first year and attained the required pass standards.
- (c) Candidates with sufficient credits from another course in this or some other institution will be considered for admission to the second year.
- (d) Examinations in all courses will be written in December and April and there will be periodic tests. Students who have attained an average of at least 50 per cent with no mark below 40 per cent on the work of each year, considered separately, will be granted a diploma.

A high honours diploma will be granted to a student who has attained an average of at least 80 per cent on the work of both years, considered together, and an honours diploma will be granted to a student who has attained an average of at least 75 per cent on the work of both years, considered together.

DESCRIPTION OF COURSES

The Faculty reserves the right to make any revision which may be necessary.

AGRONOMY-SOILS

- (a) **Advanced Field Crops:** Cereal crops, potatoes, corn, root crops, seed selection and legislation, and genetics.
1st term—1 lec. and 1 lab. per week.
2nd term—2 lecs. and 1 lab. per week.
- (b) **Agricultural Chemistry:** This will include a study of the following: the chemical and physical properties of HARD and SOFT water; farm water supply; combustion and combustion products; spontaneous combustion; chemical fire extinguishers; chemical processes of silage making; feed analysis—chemical properties of proteins, fats, CHO; the chemistry of concrete and mortar; and chemical properties of paints, wood preservatives, disinfectants, etc.
1st term—2 lecs. and 1 lab. per week.
2nd term—1 lec. and 1 lab. per week.

ANIMAL-POULTRY HUSBANDRY

Production principles of swine, beef, sheep, turkeys, and waterfowl are discussed. Topics covered will include breeding; management practices; nutrition; animal products; and the prevention, control and eradication of disease.

- (a) Swine and Beef Production
1st Term - 3 lecs. and 2 labs. per week
- (b) Sheep, Turkey, and Waterfowl Production
2nd Term - 3 lecs. and 2 labs. per week

ENGLISH

- (a) Reading assignments to encourage an interest in literature and to develop comprehension. Exercises in spelling, use of words, composition, and correspondence.
Both terms—1 lec. per week.
- (b) The preparation and presentation of papers in seminars. Topics to be assigned by Instructors in each of the other fields of study and to be evaluated one-half for content and one-half for presentation.
Both terms—1 lab. per week.

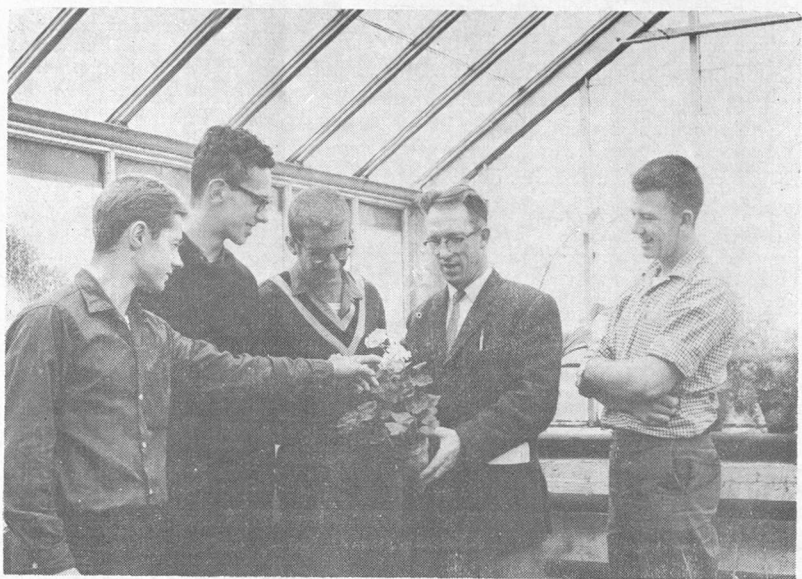
FARM BUSINESS

The farmer of today is a businessman and to make a success of his occupation he must be aware of certain fundamental principles of management. It is important, as well, that he be aware of some of the characteristics of the industry in which he is working. This course trains the student in sound management methods and also presents some of the problems of the industry in general. During the year, visits will be made to modern farm operations to illustrate the material given in class.

- (a) Farm Management: Agricultural industry, farm planning, labour efficiency, legal aspects of farming, and a project.
Both terms: 2 lecs; 1½ labs. per week.
- (b) Agricultural Marketing: Nature and importance of marketing, pricing market structures, type of marketing organizations and costs.
1st term: 2 lecs. per week.
- (c) Canadian Agricultural Policy and Land Economics: Objectives of farm policy, types of federal and provincial farm policies, land resource use, legal aspects of land ownership.
2nd term: 2 lecs. per week.

FARM MECHANICS

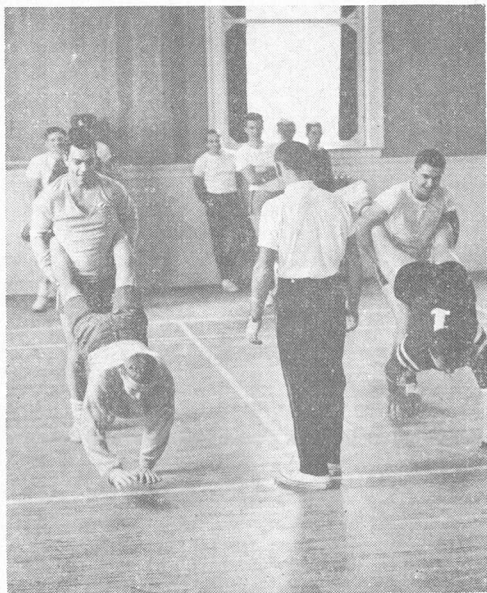
- (a) Farm Machinery and Farm Power
Principles, adjustment, operation and maintenance of gasoline and diesel engines and farm machinery.
1st Term - 2 lecs. and 1 full afternoon lab. per week.
- (b) Farm Shopwork
Selecting and maintaining equipment, cold and hot metal work, electric and gas welding, soldering, and home plumbing. The course ends with a sizable project (which is practical in the instructor's opinion) in either woodworking or metal working or a combination of both.
1st Term - 1 lec. per week
2nd Term - 2 lecs. (grouped together) and 1 lab. per week plus an additional lab. per week (part time).
- (c) Rural Electrification
Elementary theory of electricity and wiring practices. Principles of operation and maintenance of electric appliances used for heat, light, and power on the farm.
2nd Term - 1 lec. and 1 lab. (part time) per week.



HORTICULTURE

- (a) **Vegetable Culture:** This course is designed to familiarize the student with the importance of vegetable crop production, to give the basic principles of production, to outline the culture program adapted to the various vegetable crops, and through laboratory work, to show at first hand varieties and types in the crops grown in the Atlantic region.
2nd year, 1st term—3 lecs. and 1 lab. per week.
- (b) **Weed Control:** Including cultural and chemical methods of control. Weeds are considered as associated with agricultural crops and attention is given to spray equipment, its construction and operation.
2nd year, 1st term—3 lecs. per week.
- (c) **Forestry:** This is a concentrated, practical course in farm woodlot forestry. Scaling, Christmas tree cultivation, roads, woodlot improvement and the marketing of forest products will be covered.
2nd year, 1st term—one week.

- (d) **Landscaping:** The general principles of landscaping a property will be covered. Special emphasis will be on the use of suitable and available materials in the Atlantic Region.
2nd year, 2nd term—1 lec. and 1 lab. per week.
- (e) **Entomology:** This course deals with the economic aspects of entomology with special reference to the Maritime Provinces. Considerable emphasis is placed on both chemical and biological control. Students study and learn to recognize many common agricultural pests through the laboratory portion of the course.
2nd year, 2nd term—2 lecs. per week.
- (f) **Plant Disease:** This course deals with the importance, causes and types of plant diseases and various methods of control. Several pesticides and the machinery for their application will be examined.
2nd year, 2nd term—2 lecs. per week.



PHYSICAL EDUCATION

That phase of education concerned with the teaching of skills and attitudes in play activities. A program providing each student with an opportunity to develop skill and understanding in a variety of sport activities, that will serve him throughout life, and with unique opportunities in developing desirable character and social traits as well as defined responsibilities toward the physical development of the individual. The development of these traits, plus the objectives of increased strength and endurance, better motor skills, and improved health practices are the desirable outcomes of the physical education program.

Both terms—2 lecs. per week.

II. TECHNICIAN COURSES

Entrance Requirements

All candidates for admission must:

- (a) be eighteen years of age, on or before the opening day of the College year;
- (b) present a satisfactory medical certificate dated no more than thirty days previous to registration; and
- (c) present evidence of a provincial or high school pass in English, Mathematics, one science, and two other subjects at the Nova Scotia Grade XI, New Brunswick Grade XII, Prince Edward Island Grade XII or Newfoundland Grade XI levels.

Candidates from both the academic and general courses are considered for admission. Applicants should understand that possession of the minimum entrance requirements will not guarantee admission. Due to limitations in facilities, the number of applicants accepted in the fall of 1967 may be limited.

Students who complete all the course requirements with no mark below fifty per cent of the maximum mark obtainable and who are in good standing will be awarded a Technician Diploma and thus become "Associates of the Nova Scotia Agricultural College with all the rights and privileges pertaining thereto."

Financial Assistance

A living allowance of \$15.00 per week will be provided for Prince Edward Island students in good standing from Federal-Provincial funds if an application is made to the Director of Vocational Education, Department of Education, Charlottetown, by September 15. Each student, although receiving this assistance periodically, is still expected to pay to the College the full board payments for each date specified.

A. Agricultural Business

The Nova Scotia Agricultural College offers a two year course in Agricultural Business to help students prepare themselves for careers on the farm as business managers, or as managers and supervisors in farm related business firms. The course is composed of both on-campus instruction and in-service training.

AGRICULTURAL BUSINESS SYLLABUS FIRST ACADEMIC YEAR

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
(a) Orientation.....	1			
English.....	3		3	
Applicable Mathematics.....	3		3	
Soils (Physics and Chemistry)	2	1	2	1
Basic Chemistry.....	2	1	2	1
Biology.....	2	2	2	2
Agricultural Engineering	2	1	2	1
Accounting and Financial Records.....	2	1½	2	
(11) Principles of Marketing.....			1	1
Physical Education.....	2		2	
(12) Work Simplification—one week				

FIRST PERIOD OF IN-SERVICE-TRAINING

At least three months of in-service training prior to the commencement of the second academic year will be arranged by the College for each student, who will be placed as a trainee on a farm or in a farm related business of a type corresponding to his interests. He will earn a salary during the in-service training.

SECOND ACADEMIC YEAR

		First Term		Second Term	
		Lec.	Lab.	Lec.	Lab.
2.0	Human Relations.....	2	1	2	1
2.0	Business Management.....	2	2	2	1
2.1(a)	Applied Marketing	one day/week			
2.1(b)	Agricultural Policy.....			3	
2.3(b)	Civics and Law.....			2	1
2.0	Agricultural Engineering	2	1	2	1
2.0	Field Crops Production.....	2	1	2	1
2.0(c)	One of the following:				
2.0(c)	2.0(c) Livestock Production.....	2	2		
2.1(a)	Vegetable Production.....	2	2		
2.0(b)	One of the following:				
2.0(b)	Animal Nutrition.....			2	2
2.1(b)	Fruit Production.....			2	2
	Physical Education.....	2		2	
	Projects				

SECOND PERIOD OF IN-SERVICE TRAINING

At least three months of in-service training after the completion of the second academic year will be arranged by the College for each student, who will be placed as a trainee on a farm or in a farm related business of a type corresponding to his interests. He will earn a salary during the in-service training period.

B. Animal Science

The Nova Scotia Agricultural College offers a two year course in Animal Science to help students prepare themselves for careers on farms as animal specialists or as animal science technicians in farm related services and industries. The course is composed of both on campus instruction and in-service training.

ANIMAL SCIENCE SYLLABUS

FIRST ACADEMIC YEAR

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Orientation.....	1			
English.....	3		3	
Applicable Mathematics.....	3		3	
Soils (Physics and Chemistry)	2	1	2	1
Basic Chemistry.....	2	1	2	1
Biology.....	2	2	2	2
Engineering.....	2	1	2	1
Economics and Marketing.....	3		1	1
Breeds and Breed History.....			2	1
Physical Education.....	2		2	
Work Simplification—one week				

FIRST PERIOD OF IN-SERVICE TRAINING

At least three months of in-service training prior to the commencement of the second academic year will be arranged by the College for each student, who will be placed as a trainee on a farm or in a farm related business of a type corresponding to his interests. He will earn a salary during the in-service training period.

SECOND ACADEMIC YEAR

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Human Relations.....	2	1	2	1
Field Crops Production.....	2	1	2	1
Processing.....	3		3	
Agricultural Engineering.....	2	1	2	1
Livestock Production.....	2	2		
Advanced Livestock Production.....	3			
Animal Physiology.....	2	1		
Animal Pathology.....			3	
Breeding.....			3	
Animal Nutrition.....			2	2
Physical Education.....	2		2	
Projects.....				

SECOND PERIOD OF IN-SERVICE TRAINING

At least three months of in-service training after the completion of the second academic year will be arranged by the College for each student, who will be placed as a trainee on a farm or in a farm related business of a type corresponding to his interests. He will earn a salary during the in-service training period.

C. Plant Science

The Nova Scotia Agricultural College offers a two year course in Plant Science to help students prepare themselves for careers on farms as plant specialists or as plant science technicians in farm related services and industries. The course is composed of both on-campus instruction and in-service training.

PLANT SCIENCE SYLLABUS

FIRST ACADEMIC YEAR

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Orientation.....	1			
English.....	3		3	
Applicable Mathematics.....	3		3	
Soils (Physics and Chemistry)	2	1	2	1
Basic Chemistry.....	2	1	2	1
Biology.....	2	2	2	2
Agricultural Engineering	2	1	2	1
Economics and Marketing	3		1	1
(b) Entomology.....			3	
Physical Education.....	2		2	
Work Simplification—one week				

FIRST PERIOD OF IN-SERVICE TRAINING

At least three months of in-service training prior to the commencement of the second academic year will be arranged by the College for each student, who will be placed as a trainee on a farm or in a farm related business of a type corresponding to his interests. He will earn a salary during the in-service training period.

SECOND ACADEMIC YEAR

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Human Relations.....	2	1	2	1
0 Botany.....	2	1	2	1
3 Plant Propagation <i>PS 22</i>	1	1	1	1
24 Landscaping <i>PS 23</i>	1	1	1	1
7 Greenhouse Crops Production.....	1	1	1	1
Agricultural Engineering.....	2	1	2	1
1 Plant Pathology.....	2		2	
46 Credit Management.....			2	1
Electrical Controls.....			2	1
76 Vegetable Production.....	2	2		
Fruit Production.....			2	2
Physical Education.....	2		2	
Projects.....				
Students in good standing may elect.....				
Field Crops Production.....	2	1	2	1

SECOND PERIOD OF IN-SERVICE TRAINING

At least three months of in-service training after the completion of the second academic year will be arranged by the College for each student, who will be placed as a trainee on a farm or in a farm related business of a type corresponding to his interests. He will earn a salary during the in-service training period.

DESCRIPTION OF COURSES

The following descriptions of all subjects in the three courses leading to Technician Diplomas are arranged in alphabetical order. The Faculty reserves the right to make any revisions or additions which may be necessary. The duration of a lecture period is 45 minutes and of a laboratory period is 90 minutes.

FIRST YEAR SUBJECTS

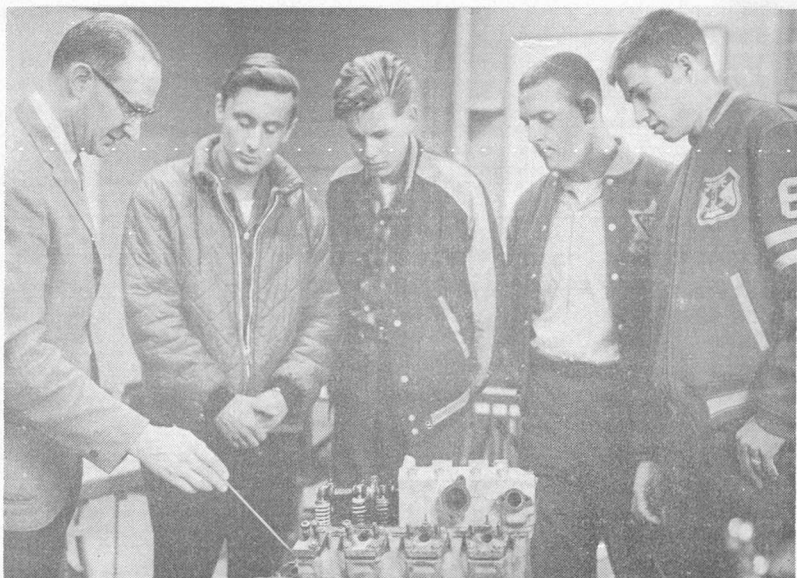
Agricultural Engineering

Lectures include a comprehensive study of farm structures with special emphasis on layouts, building materials, environmental control, mechanization and design theory. The course also includes a practical introduction to electricity as it applies

to the farm. Concepts of energy, voltage, current, resistance, power factor. Also introduction to electricity as it is used to produce light and heat.

Laboratory periods include practical instruction in the use of drawing instruments, lettering, orthographic projection, oblique and isometric drawings, sections, reading blueprints and compiling of bills of material; also a shopwork course covering fitting and the use of handtools, hot and cold metal work and welding.

Agr. Bus., An. Sc., Pl. Sc., 1st year, both terms—2 lecs. and 1 lab. per week.



Accounting and Financial Records

Basic accounting procedures are stressed. Actual project work with farm and farm related business records helps the student to better understand inventories, assets, liabilities, owner's equity, changes in owner's equity, working capital, record book organization, preparing monthly statements, and closing the books. Accounting techniques for several forms of business organizations are examined. Some time is devoted to banking procedures and payroll bookkeeping.

The interpreting of financial records for income tax and Canada Pension plan purposes are covered. By making comparisons of actual balance sheets, the financial structure, variations in current position, and several trends are identified. The importance of records for management decisions is stressed.

Agr. Bus., 1st year, 1st term—2 lecs. and 1½ labs. per week
2nd term—2 lecs. per week.

Applicable Mathematics

The essentials of algebra, geometry and trigonometry are covered. Considerable emphasis is also placed on measurement systems, ratios, proportions, percentages, and financial considerations such as simple interest, compound interest, and consumer loans.

Agr. Bus., An. Sc., Pl. Sc., 1st year, both terms—3 lecs. per week.

Basic Chemistry

A study of elements, compounds, atomic structure, bonding, and why reactions occur is followed by a study of some specific reactions such as oxidation and reduction, neutralization and ionization. The basic chemical properties of some organic compounds will be examined and related to agricultural chemicals.

Agr. Bus., An. Sc., Pl. Sc., 1st year, both terms—2 lecs. and 1 lab. per week.

Biology

This is a study of the biological principles that are most important in agriculture. The structure, growth and reproduction of both plants and animals are discussed, with an introduction to the study of genetics. The role of organic cycles, the relationship of plants and animals to their environment, the regulation of growth and development, and nutrition are included.

Agr. Bus., An. Sc., Pl. Sc., 1st year, both terms—2 lecs. and 2 labs. per week.

Breeds and Breed History

The characteristics, history, policies and programs of the various breeds of farm animals are studied. Other topics include identification and registration, pedigrees, judging, grading, classifying and scoring of breeding stock, market animal evaluation, and correlation of type and yield.

An. Sc., 1st year, 2nd term—2 lecs. and 1 lab. per week.

Economics and Marketing

The development of the Canadian Agricultural Industry is studied with special emphasis on the structure of agriculture within the Atlantic economy. The decision making process by various types of business units is analysed with particular emphasis on the wise use of inputs.

The importance and costs of each function comprising the entire marketing process are examined. Distribution systems for several agricultural commodities are discussed. The course also includes a study of pricing and price stability in various types of market structures, as well as an examination of several types of selling contracts.

An. Sc., Pl. Sc., 1st year, 1st term—3 lecs. per week
2nd term—1 lec. and 1 lab. per week.

English

This course is designed to assist the student with his reading comprehension, oral expression and written communication.

Students are given an intensive course in public speaking designed to develop confidence on the speaking platform. The course progresses from three-minute talks with notes to longer talks with only the use of information cards.

Weekly essays are assigned to develop writing skills. Reading exercises are undertaken both in and outside the class to develop speed and comprehension in reading. Outside reading also includes the works of accepted masters of the English language. Weekly exercises in vocabulary development are also conducted.

Agr. Bus., An. Sc., Pl. Sc., 1st year, both terms—3 lecs. per week.

Texts: Jorgensen and Shroyer, Editors A COLLEGE TREASURY; Emery and Kierzek, ENGLISH FUNDAMENTALS, FOURTH EDITION FORM C; Hardwick, WORDS ARE IMPORTANT, FIRST BOOK OF VOCABULARY IMPROVEMENT; Miller, INCREASING READING EFFICIENCY.

Entomology

This course deals with the economic aspects of insects and other animal type pests, with special reference to the Atlantic

provinces. Structure, growth, reproduction, distribution and other factors involving control are considered.

Pl. Sc., 1st year, 2nd term—3 lecs. per week.

Orientation

This is an introduction to the function of the college and life on campus, as well as an introduction to various types of farm and farm related business.

Agr. Bus., An. Sc., Pl. Sc., 1st year, 1st term—1 lec. per week.

Physical Education

That phase of education concerned with the teaching of skills and attitudes in play activities. A program providing each student with an opportunity to develop skill and understanding in a variety of sport activities that will serve him throughout life, and with unique opportunities in developing desirable character and social traits as well as defined responsibilities toward the physical development of the individual. The development of these traits, plus the objectives of increased strength and endurance, better motor skills, and improved health practices are the desirable outcomes of the physical education program.

Agr. Bus., An. Sc., Pl. Sc., 1st year, both terms—2 lecs. per week.

Principles of Marketing

The importance and costs of each function comprising the entire marketing process are examined. Distribution systems for several agricultural commodities are discussed. The course also includes a study of pricing and price stability in various types of market structures, as well as an examination of several types of selling contracts.

Agr. Bus., 1st year, 2nd term—1 lec. and 1 lab. per week.

Soils (Physics and Chemistry)

The physical properties of soils are examined with special emphasis on soil profiles, soil textures, particle size, soil moisture, water retention, compaction, soil air, soil temperature, drainage, erosion, and tillage. Several types of Atlantic Provinces soil are examined.

The chemical properties of soil particles and solutions are studied as well as principal chemical reactions in soils. The function of soil as a medium to support plant life, fertilizing, liming, pH and plant nutrients are stressed. The selection, use, and effects of various chemical additives to the soil are discussed.

Agr. Bus., An. Sc., Pl. Sc., 1st year, both terms—2 lecs. and 1 lab. per week.

Work Simplification

This is a practical course in the organized use of common sense to find an easier and better way to do a job and avoid waste of time, money, materials, equipment and other important factors.

Agr. Bus., An. Sc., Pl. Sc., 1st year, 1 week—time to be arranged.

SECOND YEAR SUBJECTS

Advanced Livestock Production

This is an advanced study in livestock production with special reference to the problems in the industry: breeding, selection, housing, feeding and marketing. Practical work with animals and poultry in feeding, selection and general management is included.

An. Sc., 2nd year, 1st term—3 lecs. per week.

Agricultural Engineering

Lectures and laboratory periods cover the theory and practice in the operation of farm machinery. Adjustment, maintenance and repairs of moldboard plows, harrows, seeding machinery, weed sprayers, manure spreaders, mowing machines, forage harvesters, hay balers, elevators and hay drying equipment.

Theory of operation, preventative maintenance and servicing of gasoline and diesel farm power units, including their hydraulic systems, and electric motors as a source of power.

Agr. Bus., An. Sc., Pl. Sc., 2nd year, both terms—2 lecs. and 1 lab. per week.

Agricultural Policy

This is a study of the influence of government on Agriculture, including the effects of both agricultural and non-agricultural policies. Some of the current adjustments in Atlantic agriculture will be identified.

Agr. Bus., 2nd year, 2nd term—3 lecs. per week.



Animal Breeding

In this course the theoretical and practical application of inheritance in the breeding and selecting of animals is studied.

An. Sc., 2nd year, 2nd term—2 lecs. per week.

Animal Nutrition

This is a study of the various commonly used feedstuffs with respect to their nutrient content and feeding value. The nutrient requirements of farm livestock and the balancing of rations to meet growth, production and reproduction needs are covered. A comparative study of ruminant and monogastric digestion is made.

Agr. Bus., An. Sc., 2nd year, 2nd term—2 lecs. and 2 labs. per week.

Animal Pathology

Systems of sanitation and hygiene promoting good health are discussed. The causes, symptoms, prevention and control of common animal diseases and ailments are outlined.

An. Sc., 2nd year, 2nd term—3 lecs. per week.

Animal Physiology

This course considers the fluids of the body, circulation, respiration, digestions, absorption, excretion, energy exchange, muscular activity, neurology, endocrinology and the reproduction of domestic animals.

An. Sc., 2nd year, ~~2nd term~~²—~~3~~¹ lecs. per week.

Applied Marketing

Students visit a series of marketing organizations to learn the nature and extent of their operation, and the involvement of the organization in other segments of the agricultural industry. Causes of waste, spoilage, and low quantity, and how costs of marketing are established are determined in several of the visits. Managers of the marketing organizations visited assist in the instruction.

Agr. Bus., 2nd year, 1st term—1 day per week.

Botany

Plant Identification: A course covering the classification and naming of plants with special attention given to plants of economic importance. These include the common weeds, trees and shrubs, and cultivated plants. The important plant families will be considered, along with laboratory work in identification.

Plant Physiology: More advanced study of the structure of plants and how they live, grow and reproduce. The various plant processes such as photosynthesis, respiration, absorption, nutrition, transpiration and growth are included, along with a study of the various factors that influence the growth and economic production of crops.

Pl. Sc., 2nd year, both terms—2 lecs. and 1 lab. per week.

Business Management

The principles and methods of analyzing and organizing farm and farm related businesses are examined. Practical

problems associated with size of business, balance in organization, labor efficiency, and production systems are assigned to the students. Some time is spent in budgeting and production planning.

Various sources of capital and the techniques of managing each category of credit are studied. The effect of capital limitations on business organization also is examined.

Agr. Bus., 2nd year, 1st term—2 lecs. and 2 labs. per week
2nd term—2 lecs. and 1 lab. per week.

Civics and Law

Responsibilities of local, provincial, and federal levels of governments and government agencies are examined. Several legal considerations in the transfer of property and in the formation of partnerships and companies are also studied.

Agr. Bus., 2nd year, 2nd term—2 lecs. per week.

Credit Management

Various sources of capital and the techniques of managing each category of credit are studied. The effect of capital limitations on business organization is examined.

Pl. Sc., 2nd year, 2nd term—2 lecs. and 1 lab. per week.

Electrical Controls

This is a study of mechanical switches, limit switches, mercury switches, remote control switches, photoelectric switches, thermostats and humidity controls.

Pl. Sc., 2nd year, 2nd term—2 lecs. and 1 lab. per week.

Field Crops Production

A study of grasses, legumes and other crops used in a forage program. Production, management, harvesting, storage and utilization practices suited to the various crops are studied. The development of forage programs is undertaken. The production, harvesting and storing of the common cereals are studied, along with their agronomic uses. Consideration is given to other Canadian crops not grown in the Atlantic region. The production of such specialized crops as potatoes and flue cured tobacco is discussed.

Agr. Bus., An. Sc., Pl. Sc., 2nd year, both terms—2 lecs. and 1 lab. per week.



Fruit Production

This course includes both small fruit culture and tree fruits. The practices involved in the production of strawberries, blueberries, raspberries, blackberries, currants, gooseberries and cranberries and the practices carried out in orchard operations are studied.

Agr. Bus., Pl. Sc., 2nd year, 2nd term—2 lecs. and 2 labs. per week.

Greenhouse Crops Production

This course deals first with the types of houses in which crops are presently grown and the associated heating plants and controls. The general practices involved in successful operation such as heating, ventilation, watering, fertilizing, leaching, spraying, and sterilizing are studied. The culture of the individual greenhouse vegetable crops and the important florist crops is also covered in detail both in the classroom and the associated greenhouses.

Pl Sc., 2nd year, both terms—1 lec. and 1 lab. per week.

Human Relations

A practical approach will be followed to an understanding of individual personalities and the adjustments of individuals to change. A study will also be made of group behaviour.

Agr. Bus., An. Sc., Pl. Sc., 2nd year, both terms—2 lecs. and 1 lab. per week.

Landscaping

This course deals with ornamental plant materials, their identification, culture and maintenance and their use in landscape planning. Subjects covered include trees, shrubs, lawns, bulbs, annual and perennial flowers.

Pl. Sc., 2nd year, both terms—1 lec. and 1 lab. per week.

Livestock Production

A general survey of the dairy, red meat and poultry industries is made. Topics covered in the lectures include the genetic derivation of domestic farm animals, the characteristics and development of the various breeds of farm animals, the policies and programs of the breed associations, the identification and registration of farm animals and the preparation of pedigrees. Topics covered in the laboratory periods include judging, grading, classifying and scoring of breeding stock, market animal evaluation and correlation of type and yield.

Agr. Bus., An. Sc., 2nd year, 1st term—2 lecs. and 2 labs. per week.

Physical Education

That phase of education concerned with the teaching of skills and attitudes in play activities. A program providing each student with an opportunity to develop skill and understanding in a variety of sport activities that will serve him throughout life, and with unique opportunities in developing desirable character and social traits as well as defined responsibilities toward the physical development of the individual. The development of these traits, plus the objectives of increased strength and endurance, better motor skills, and improved health practices are the desirable outcomes of the physical education program.

Agr. Bus., An. Sc., Pl. Sc., 2nd year, both terms—2 lecs. per week.

Plant Pathology

The different types of diseases due to viruses, bacteria, fungi and environmental causes are discussed and a study is made of the organisms concerned. This is followed by an outline of the more important diseases of our ornamentals and field and vegetable crops. The methods of control, including the use of fungicides, are considered; and some attention is given to the machinery used for the application of fungicides.

Pl. Sc., 2nd year, both terms—2 lecs. per week.

Plant Propagation

This course considers the production of plants by both seed and vegetative methods. It includes a detailed study of seed germination and the advantages and disadvantages of this type of reproduction as compared to vegetative reproduction including graftage, layerage, separation and division. A study of seeding and potting composts, rooting mediums and propagating structures and associated equipment is also made.

Pl. Sc., 2nd year, both terms—1 lec. and 1 lab. per week.

Processing

This is a study of government regulations as they apply to the production of livestock and poultry products at the producer, the processor and retailer levels. Also included will be discussions on the composition of and manufacturing of each product, quality control and flavor problems.

An. Sc., 2nd year, both terms—3 lecs. per week.

Projects

This is an opportunity to examine in detail specific agricultural topics of interest to the students. Projects will be organized and carried out by the students under the supervision of various staff members.

Agr. Bus., An. Sc., Pl. Sc., 2nd year, both terms—time to be arranged.

Vegetable Production

The increasing importance of vegetable production is recognized in this course. The source of our vegetables coming from a wide assortment of plants and from all parts of these plants, and types of vegetable production and storage are studied. Discussion of the culture of these crops makes fre-

quent references to the practical application of theory studied in the science courses. The laboratory periods are used to show the preferred varieties and the reasons for their being in demand for retail sale or for processing.

Agr. Bus., Pl. Sc., 2nd year, 1st term—2 lecs. and 2 labs. per week.

III. TECHNOLOGY COURSES

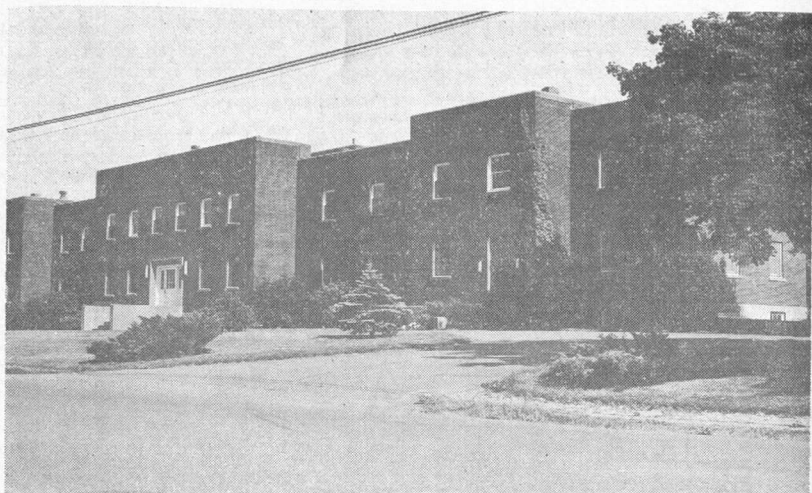
It is anticipated that in the fall of 1968 holders of a Technician diploma or its equivalent may apply for one year of specialized study at the Nova Scotia Agricultural College which will lead to a Diploma of Technology.

IV. PRE-EMPLOYMENT VOCATIONAL COURSES

A series of specialized vocational courses for pre-employment training will be gradually introduced over the next few years. Both on-campus instruction and in-service training will be required in these courses, which will vary in length in proportion to the time required to cover the occupation being studied. The minimum entrance requirement in many cases will be a Nova Scotia Grade VIII or its equivalent. Complete information on the course content, entrance requirements, and time of each course will be announced when each is scheduled.

V. UP-GRADING VOCATIONAL COURSES

It is expected that the Nova Scotia Agricultural College will offer, periodically, specialized up-grading courses for any group of people seeking additional agricultural education of a specialized nature.



DEGREE COURSE

The Nova Scotia Agricultural College is a junior College offering three years in advance of junior matriculation and two years in advance of senior matriculation in a course leading to a bachelor's degree in Agriculture. Most of its graduates complete their courses at Macdonald College of McGill University, where they are admitted to the fourth year of a five year course in advance of junior matriculation, or at the University of Guelph, where they are admitted to the third year of a four year course in advance of senior matriculation.

Qualified graduates may be considered for admission to the four year course in veterinary medicine offered by the Ontario Veterinary College of the University of Guelph.

The following options are offered to students in their last two years at Macdonald College:

Agricultural Chemistry, Agricultural Commerce; Agricultural Economics, Agricultural Engineering, Agronomy, Animal Science, Botany, Food Management, General Agricultural Science, Horticulture, Microbiology, Plant Pathology, Soil Science and Zoological Science.

The University of Guelph offers the following agricultural majors to students in the last two years:

Apiculture, Entomology, Microbiology, Agricultural Economics and Business, Animal Science, Poultry Science, Dairy Science, Landscape Horticulture, Crop Science, Horticulture, Plant Protection, Chemistry, General Science, Wildlife and Fisheries, Land Management and Soil Science.

THE COLLEGE DIPLOMA

Students who complete the prescribed number of courses with no mark below 50 per cent of the maximum mark obtainable and who are in good standing will be awarded a diploma. The diploma confers upon recipients the status of "Associate of the Nova Scotia Agricultural College with all the rights and privileges pertaining thereto."

A high honours diploma will be awarded to a student who has made an average of at least eighty per cent and an honours diploma to a student who has made an average of at least seventy-five per cent.

ENTRANCE REQUIREMENTS

All candidates for admission must:

- (a) be sixteen years of age on or before the opening day of the College year;
- (b) be of good moral character;
- (c) present a satisfactory medical certificate dated no more than 30 days previous to registration;
- (d) present a certificate of junior matriculation standard

(Nova Scotia—Grade XI,
New Brunswick—Grade XII,
Prince Edward Island—Grade XII
Newfoundland—Grade XI)

with no mark of less than 50 per cent of the maximum mark obtainable and an average of at least 60 per cent in:

- (a) English (two papers), Algebra and Geometry;
- * (b) two of Chemistry, Physics or Biology;
- (c) one additional academic subject.

*Where possible, the student should elect Physics and Chemistry. Applicants should understand that possession of the minimum entrance qualifications will not necessarily guarantee admission.

ADMISSION WITH ADVANCED STANDING

A candidate may be admitted to the second year if he has (1) completed all the entrance requirements for the first year, and (2) has attained an average of at least 65% in senior matriculation English, Mathematics, Chemistry, Physics, and one additional subject and a mark of not less than 65% in Mathematics, Physics and Chemistry. A candidate so admitted will be required to take first year Biology in addition to the regular work of the second year.

Farm experience is desirable for all applicants and is a requirement for some options of the final two years.

SUPPLEMENTAL EXAMINATIONS

A student who fails in more than three full courses or who makes an average of less than fifty per cent on the work of an academic year may not write supplemental examinations.

Provided that the disqualifying conditions stated above are not applicable, a student who makes between thirty per cent and forty-nine per cent in any subject may write a supplemental examination.

Students who have supplemental examinations to write must write at the first opportunity provided following the examinations in which the failures were made unless special permission is granted for a postponement.

Students with first or second year supplemental examinations to write will write in September, just before the beginning of the first term. No student will be permitted to register for the second or third year with more than one failed subject outstanding. A student who has only one failed subject outstanding will be permitted to write a second supplemental examination in the January following the September failure. A student with more than one failed subject outstanding will be required to repeat the failed subjects and to register for such additional subjects as the Faculty may advise.

Students with third year supplemental examinations to write will write during the last week of June in the same year as the one in which the failure was made. Should this attempt result in a failure, a second and last opportunity will be provided one year later.

No student will be allowed to write more than two supplemental examinations in any subject unless special permission is granted by the faculty.

The fee for the first supplemental examination will be \$5.00. Should a second examination be necessary, the fee will be \$10.00. No supplemental examination is to be written until the required fee has been paid.

SYLLABUS

FIRST YEAR DEGREE

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Biology 100.....	3	2	3	2
Chemistry 100.....	3	2	3	2
English 100.....	4		4	
History 100.....	3		3	
Mathematics 100.....	3		3	
Physics 100.....	3	1	3	1
Physical Education.....	2		2	

SECOND YEAR DEGREE

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Basic Biology 101.....	3	2		
Botany 220.....			3	2
Chemistry 200.....	3	2	3	2
Economics 200.....	3		3	
History of Agriculture 220.....			2	
Mathematics 200.....	3		3	
Physics 200.....	3	1	3	1
Zoology 210.....	3	2		
Physical Education.....	2		2	

THIRD YEAR DEGREE

(not to be offered until 1968-69)

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Animal Science 320.....			3	1
Cell Physiology 320.....			3	1
Chemistry 300.....	3	2	3	2
Economics of Agriculture 320.....			3	
Elementary Statistics 310.....	3			
Genetics 310.....	3			
Microbiology 310.....	3	1		
Plant Science 300.....	2	1	2	1
Soil Science 310.....	3	1		
Calculus 320.....			3	
or				
Genetics 320.....			3	1

DESCRIPTION OF COURSES

The following courses are arranged for the 1967-68 College year. The Faculty reserves the right to make any revisions or additions which may be necessary.

ANIMAL SCIENCE

320 Introductory Animal Science (Not offered until 1968-69)

An Introductory course to animal husbandry production outlining general areas and populations of farm livestock past and present, with a general view of the future possibilities. The several breeds of domestic farm animals are discussed as to origin, breeding principles, selection programs, management practices, nutritional standards, disease control, housing requirements and general principles required for economic production of farm livestock.

Animal Husbandry in this course includes the larger domestic farm animals and poultry.

3rd year, 2nd term—3 lecs. and one lab. per week.

BIOLOGY

100. GENERAL BIOLOGY

A study of life in terms of modern concepts of molecules, ionization, reactions, structures and processes: photosynthesis, organic compounds, energy relations, the cell, tissues, organs, systems, organisms and societies; plant and animal structure, basic metabolism, nutrition, growth, perception, reproduction, introduction to embryology, ecology, genetics and evolution. Higher animals and plants are emphasized and a brief introduction to the plant and animal kingdoms is given.

1st year, both terms—3 lecs. and 2 labs. per week.

Text: Weisz, ELEMENTS OF BIOLOGY.

101. BASIC BIOLOGY

A review of the cell and its organelles; metabolism and energy relations; growth and reproduction; genetics, evolution and ecology. The basis of life in terms of molecules and their various interactions is emphasized. The structure of higher plants and animals is briefly considered. This course is for students entering at the second-year level.

2nd year, 1st term—3 lecs. and 2 labs. per week.

Texts: FOUNDATION OF MODERN BIOLOGY SERIES: The Cell, Cellular Physiology and Biochemistry, Life of the Green Plant. Storer and Usinger, GENERAL ZOOLOGY.



210. ZOOLOGY—THE ANIMAL KINGDOM

A review of the animal kingdom with reference to the structure, biology, etc. of the protozoa and various metazoan phyla; important aspects of entomology, animal parasitism, life histories, elements of vertebrate embryology, animal ecology and zoogeography are discussed.

2nd year, 1st term—3 lecs. and 2 labs. per week.

Text: Storer and Usinger GENERAL ZOOLOGY, 4th Edition.

220. BOTANY—THE PLANT KINGDOM

A review of the plant kingdom considering the classification of plants and a study of the biology, morphology and life cycles of representatives of the algae, fungi, bryophytes and tracheophytes. Special attention will be given to the fungi, with the elements of plant pathology; and an introduction to the comparative morphology, classification and distribution of the Angiosperms is included.

2nd year, 2nd term—3 lecs. and 2 labs. per week.

Text: To be announced.

310. INTRODUCTION TO GENETICS

(not offered until 1968-69)

A review of cell reproduction; basic genetics; and an introduction to the modern concepts of the gene, gene action and biochemical reactions.

3rd year, 1st term—3 lecs. per week.

Texts: Bonner HEREDITY; Crowe GENETIC NOTES.

320. ADVANCED GENETICS

(not offered until 1968-69)

A detailed study of the genetic material, gene action and population genetics.

3rd year, 2nd term—3 lecs. and 1 lab. per week.

Text: To be announced.

310. MICROBIOLOGY

(not offered until 1968-69)

General introduction to microbiology; principles of morphology and physiology; relation of micro-organisms to fermentations, water, sewage, soil, dairy products, food and disease.

3rd year, 1st term—3 lecs. and 1 lab. per week.

Reference Texts: Carpenter MICROBIOLOGY; Umbreit MODERN MICROBIOLOGY; Stanier, Doudorf and Adelberg THE MICROBIAL WORLD.

320. CELL PHYSIOLOGY

(not offered until 1968-69)

Functional organization of the cell, cell environment, exchange across membranes, conversion of energy and matter, irritability, growth and division.

3rd year, 2nd term—3 lecs. and 1 lab. per week.

Text: To be announced.

CHEMISTRY

100: Principles of Chemistry

A course combining lecture and laboratory periods to give the student a sound background and training in chemical principles and laboratory practice.

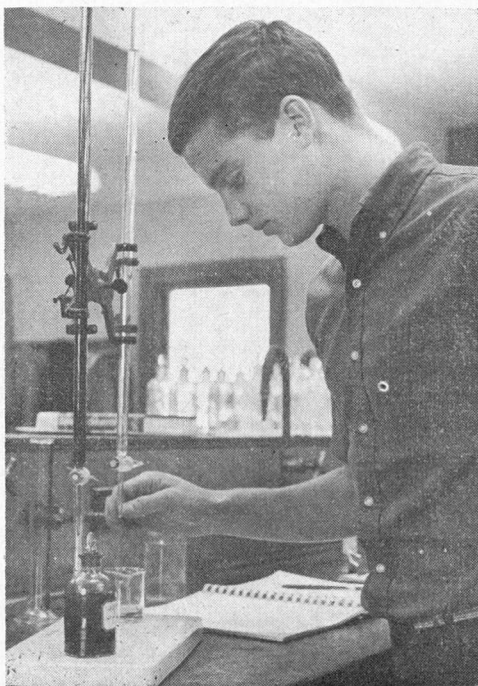
A modern approach is used to familiarize the student with the theories and laws governing atomic structure, relating bonding, periodicity of the elements, chemical reactions and geometrical form of molecules. Chemical equilibrium, reaction rates, complexions and an introduction to organic chemistry are subjects studied in the second semester of this course.

The laboratory work is mainly quantitative in its approach with an introduction to qualitative analysis as an aid to solution chemistry involving a short period in the laboratory schedule. The laboratory work is correlated with lecture material to assist the student in relating theory and practice.

1st year, both terms—3 lecs. and 2 labs. per week.

Text to be selected.

Laboratory manual—mimeographed outlines.



200: Organic Chemistry

A lecture and laboratory course designed to give the student an appreciation of and an introduction to Organic Chemistry. Introduction to a number of important basic classes of organic compounds including the alkanes, alkenes, alkynes, petroleum and petrochemicals, cycloparaffins, alcohols, aldehydes, ketones, alkyl halides, monocarboxylic acids, acid halides, acid anhydrides, salts, amides, ethers, amines, aromatics and aromatic derivatives, heterocyclics, etc. Introduction to reaction mechanisms and reaction intermediates.

An introduction to Biochemistry including optical activity, carbohydrates, lipids (fats and oils) amino acids and proteins, etc.

Laboratory work including the preparation, isolation, purification and study of a number of important "organics" discussed in lecture and emphasizing material and teaching with techniques, skills and philosophies involved in carrying out experimental work in Organic Chemistry.

2nd year, both terms—3 lecs. and 2 labs. per week.

Text: Bonner and Castro; ESSENTIALS OF MODERN CHEMISTRY. (1st edition 1965)

Laboratory Manual-Mimeographed Material.

Some suggested reference books:

1. Cram and Hammand—Organic Chemistry (2nd edition)
2. West and Todd—Textbook of Biochemistry (latest edition)
3. Noller—Chemistry of Organic Compounds (3rd edition)
4. Smith and Crystol—Organic Chemistry (1966)

300: Introductory Biochemistry (Not offered until 1968-69)

This course utilizes modern concepts to deal with the biological functions of carbohydrates, lipids, amino acids, proteins, nucleic acids, digestion, absorption of digestion products, and other constituents and processes of living matter. The enzymology and intermediary metabolism in bacteria, plants and animals is also an important part of the course.

The laboratory is used to correlate and emphasize material referred to in the lecture periods.

3rd year, both terms—3 lecs. and 2 labs. per week.

ECONOMICS

200: Principles of Economics

This course is an introduction to the study of Economics. It is designed to acquaint the student with the main elements of economic theory, and their application and relevance in our complex modern society. Major sections of the course are: Basic Concepts, together with Straight Thinking in Economics; National Income, Employment and Economic Growth; the Price System and the Allocation of Resources; International Trade; Money, Banking and Public Finance.

2nd year, both terms—3 lecs. per week.

Text: Bach, ECONOMICS.

320: Economics of Agriculture (Not offered until 1968-69)

A study of the Canadian Farm Industry; the financial returns in Canadian Agriculture; a study of Agricultural Development and Policies affecting development. The relation between Agriculture and Canadian Industries. Attention will be given to an analysis of the economic development of Atlantic provinces Agriculture.

2nd year, 2nd term—3 lecs. per week.

Text to be assigned.

ENGLISH

100: Survey of English Literature from Anglo-Saxon to 20th Century.

Selected readings in Poetry and Prose; 1 play by Shakespeare. Composition and speech; theme writing and public speaking.

1st year, both terms—4 lecs. per week.

Text: Clark, Hudson and Pace (Brett-Macmillan), ENGLISH LITERATURE.

HISTORY

100: Canadian History

Emphasis on constitutional and economic aspects.

1st year, both terms—3 lecs. per week.

Text: Lower, COLONY TO NATION.

220: History of Agriculture

A study of the development of agriculture from its earliest beginnings to the present day, with special emphasis on the effects these developments have had on the history of mankind.

2nd year, 2nd term—2 lecs. per week.

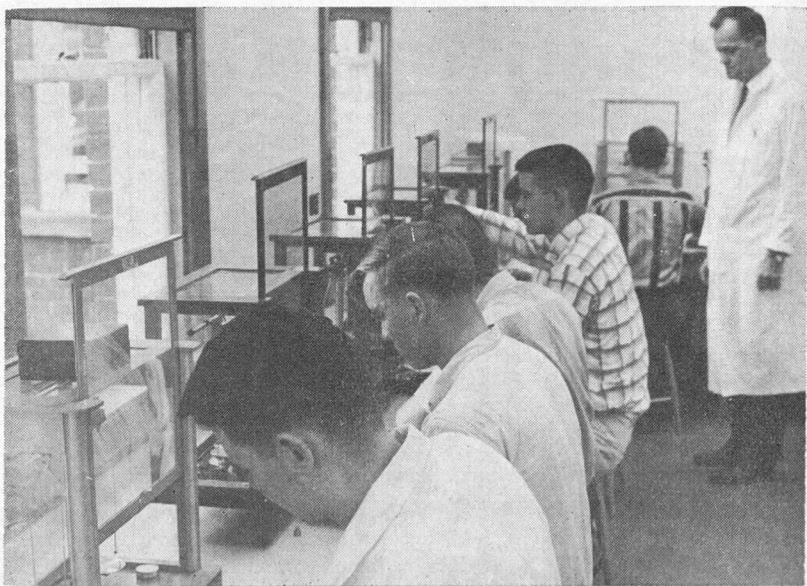
MATHEMATICS

100: Algebra and Trigonometry

Systems of real numbers, including absolute values, inequalities, exponents and rational exponents; functions—cartesian coordinates, graphs of functions and equations, variation; exponential and logarithmic functions—their graphs, equations and computation; trigonometric functions, formulas and identities; complex numbers; theory of equations, factoring polynomials, remainder and factor theorems, finding zeroes; systems of equations, including matrices; permutations, combinations, binomial theorem; sequences; and mathematical induction.

1st year, both terms—3 lecs. per week.

Text: Fisher and Ziebur, INTEGRATED ALGEBRA AND TRIGONOMETRY (Second Edition)



200: Calculus and Analytic Geometry.

The straight line, the ellipse, the parabola and the hyperbola; a study of limit and the derivative with applications to maxima and minima, velocity and acceleration; differentiation of the trigonometric, exponential and logarithmic function in detail; curvature; the mean value theorem; integration tech-

niques; and the definite integral with applications to areas, volumes, length of arc, hydrostatic pressure, work, moments and centroid.

2nd year, both terms—3 lecs. per week.

Text: Protter and Morrey, **CALCULUS WITH ANALYTIC GEOMETRY.**

310: Elementary Statistics (Not offered until 1968-69)

Measures of central tendency and variability; normal frequency curve; tests of significance of differences between means; non-parametric methods; regression and correlation; binomial; Poisson and Chi-square distributions, sampling, simple analysis of variance.

3rd year, 1st term—3 lecs. per week.

320: Advanced Calculus (Not offered until 1968-69)

Partial differentiation, line and multiple integrals, Taylor's series and Fourier series, ordinary differential equations.

3rd year, 2nd term—3 lecs. per week.

PHYSICAL EDUCATION

That phase of education concerned with the teaching of skills and attitudes in play activities. A program providing each student with an opportunity to develop skill and understanding in a variety of sport activities, that will serve him throughout life, and with unique opportunities in developing desirable character and social traits as well as defined responsibilities toward the physical development of the individual. The development of these traits, plus the objectives of increased strength and endurance, better motor skills, and improved health practices are the desirable outcomes of the physical education program.

Both years, both terms—2 lecs. per week.

PHYSICS

100:

An introductory course covering mechanics, heat, light, sound, electricity and magnetism. Development of the basic theories of physics with practical applications in solving numerical examples. Emphasis on the experimental foundations of physics in laboratory exercises designed to give students an appreciation of the scientific method and to permit them to demonstrate and study physics phenomena for themselves. Selected topics in atomic and nuclear physics.

1st year, both terms—3 lecs. and 1 lab. per week.

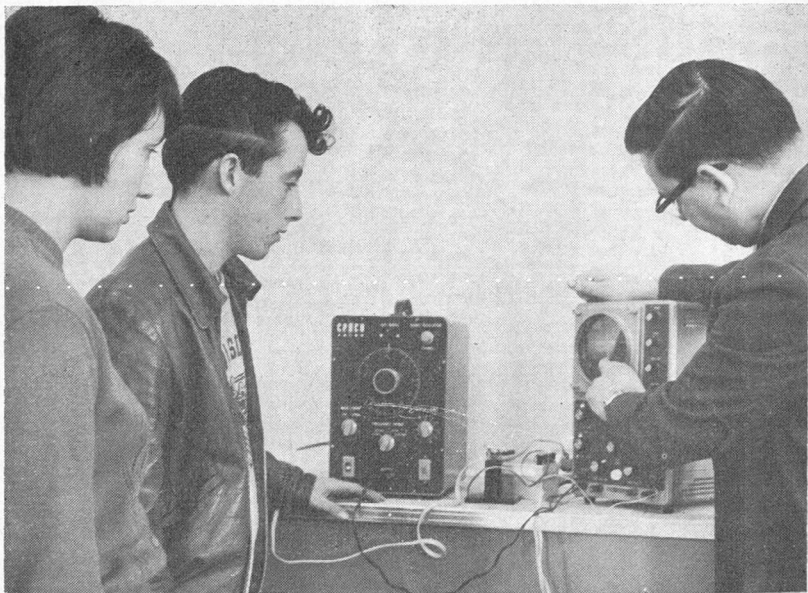
Text: Smith & Cooper, **ELEMENTS OF PHYSICS.**

200:

Study in greater detail of the topics taken up in the first year. Use in some topics of the basic concepts of the calculus. Considerable emphasis on magnetic and electrical phenomena and AC and DC circuit analysis.

2nd year, both terms—3 lecs. and 1 lab. per week.

Text: Shortley and Williams, **ELEMENTS OF PHYSICS** (fourth edition).



PLANT SCIENCE

300:

(Not offered until 1968-69)

General principles underlying the improvement, culture and utilization of horticultural and field crop plants. Special attention will be given to the use of plants as the basic food resource of man.

3rd year, both terms—2 lecs. and 1 lab. per week.

SOIL SCIENCE

310:

(Not offered until 1968-69)

An introductory course dealing with the general principles of soil science, including origin, development and classification, chemical and physical properties related to crop production and soil conservation and land use.

3rd year, 1st term—3 lecs. per week.

PRIZES

GOVERNOR-GENERAL'S MEDAL

A silver Medal was first offered for annual competition by His Excellency the Governor-General of Canada in 1914. It is awarded each year by the members of the faculty to the student of the graduating class who has attained the highest standing during the two years of his college course. In determining "highest standing", scholarship and leadership in student activities, in the order named, are the deciding factors in making this award.

NEW BRUNSWICK DEPARTMENT OF AGRICULTURE PRIZES

The New Brunswick Department of Agriculture offers \$50. for prizes for students from that Province who do the best work in their entire course. Students enrolling in the two-year Technician Course or the three-year Degree Course are eligible. The prizes will be awarded on the closing day at the end of the graduating year. The \$50 will be divided into three prizes of \$25.00, \$15.00, and \$10.00.

MASTER FEEDS LIMITED PRIZE

Master Feeds Ltd. has provided a prize of \$25 to be awarded to the Second Year Diploma Class student who attains the highest standing in feeds and feeding (Poultry and Animal Husbandry over the two years).

THE SEED JUDGING TROPHY

A group of Prince Edward Island farmers who attended the short course at the N.S.A.C. in 1911 donated a handsome silver trophy "for competition in seed judging by regular students." Names of the winners have been engraved thereon each succeeding year.

DEBATING TROPHY

The Nova Scotia Department of Agriculture has provided a cup for annual competition in inter-class debating.

MURRAY-ARCHIBALD TROPHY

This trophy was originally presented by the late Hon. George H. Murray, for many years Premier of Nova Scotia,

to the late John Geddie Archibald, class of 1913. Mr. Archibald, at one time Research Professor of Animal Husbandry, University of Massachusetts, returned it to the Nova Scotia Agricultural College in 1953 as a perpetual challenge trophy for excellence in Livestock Judging.

SCHOLARSHIPS

ENTRANCE SCHOLARSHIPS (DEGREE COURSE) NOVA SCOTIA INSTITUTE OF AGROLOGISTS SCHOLARSHIP

The Nova Scotia Institute of Agrologists has provided a scholarship of \$250 for a resident of Nova Scotia entering the first year of the Degree Course at the Nova Scotia Agricultural College. In awarding this scholarship, the selection committee will take into consideration academic standing and financial need. Applicants should write to the Registrar, Nova Scotia Institute of Agrologists, N.S.A.C., Truro, N. S., for an application form, which will be available by July 1. The application and the applicant's Grade XI and Grade XII (if the applicant has one) certificates should be in the Registrar's office not later than September 1.

CANADA PACKERS LIMITED SCHOLARSHIPS

Canada Packers Limited offers a scholarship of \$250 to assist a student in entering or continuing in the Degree Course at the Nova Scotia Agricultural College. Candidates for this scholarship should have a good academic record and should have taken an active interest in community agricultural activity.

In making the above award, financial need will be taken into consideration. No application is necessary.

MARITIME STOCK BREEDERS' ASSOCIATION SCHOLARSHIPS

(a) Nova Scotia

The Maritime Stockbreeders' Association offers an entrance scholarship of \$250. for a resident of Nova Scotia who is a graduate of a recognized high school in the Province and is entering the first year at the Nova Scotia Agricultural College. This scholarship is designed to encourage students to take up agriculture as a vocation or profession. Academic standing

and financial need will be taken into consideration in awarding the scholarship. Application for this scholarship must be made in writing to the Registrar on or before September 1. There is no application form. For the guidance of the selection committee, applicants should give details of experience, plans and financial need.

(b) **New Brunswick**

The Maritime Stockbreeders' Association offers an entrance scholarship of \$250. for a resident of New Brunswick who is a graduate of a recognized high school in the Province and is entering the first year at the Nova Scotia Agricultural College. This scholarship is designed to encourage students to take up agriculture as a vocation or profession. Academic standing and financial need will be taken into consideration in awarding the scholarship. Application for this scholarship must be made in writing to the Registrar on or before September 1. There is no application form. For the guidance of the selection committee, applicants should give details of experience, plans and financial need.

(c) **Prince Edward Island**

The Maritime Stockbreeders' Association offers an entrance scholarship of \$250. for a resident of Prince Edward Island who is a graduate of a recognized high school in the Province and is entering the first year at the Nova Scotia Agricultural College. This scholarship is designed to encourage students to take up agriculture as a vocation or profession. Academic standing and financial need will be taken into consideration in awarding the scholarship. Application for this scholarship must be made in writing to the Registrar on or before September 1. There is no application form. For the guidance of the selection committee, applicants should give details of experience, plans and financial need.

PROVINCE OF NOVA SCOTIA SCHOLARSHIPS

The Province of Nova Scotia offers the following scholarships:

- (a) *a Scholarship of \$300. to each Nova Scotian entering the first year of the Degree Course with an average of at least 80% on junior matriculation examinations in English, Algebra, Geometry, Chemistry, Physics, and one additional subject;

- (b) *a Scholarship of \$150. to each Nova Scotian entering the first year of the Degree Course with an average of at least 75% on the junior matriculation examinations in the subjects stated above.

*An applicant who has not attained the standards stated above will be awarded the same scholarship for an equivalent average on senior matriculation examinations in English, Mathematics, a Science, and two additional subjects.

No application is necessary.

Half of the scholarship will be available at the time of registration and half after successful completion of the work of the first term of the first year of the Degree Course.

PROVINCE OF PRINCE EDWARD ISLAND SCHOLARSHIPS

The Province of Prince Edward Island offers the following scholarships:

- (a) *a Scholarship of \$300. to residents of that Province entering the first year of the Degree Course with an average of at least 80% on junior matriculation examinations in English, Algebra, Geometry, Chemistry, Physics, and one additional subject;
- (b) *a Scholarship of \$150. to residents of that Province entering the first year of the Degree Course with an average of at least 75% on the junior matriculation examinations in the subjects stated above.

*An applicant who has not attained the standards stated above will be awarded the same scholarship for an equivalent average on senior matriculation examinations in English, Mathematics, a Science, and two additional subjects.

No application is necessary.

Half of the scholarship will be available at the time of registration and half after successful completion of the work of the first term of the first year of the Degree Course.

ENTRANCE SCHOLARSHIPS (DEGREE OR TECHNICIAN COURSE)

NOVA SCOTIA AGRICULTURAL COLLEGE ALUMNI SCHOLARSHIP

The Nova Scotia Agricultural College Alumni Association offers a scholarship of \$300.00 to a worthy student entering the first year of the Degree or Technician Course. Academic standing and financial need will be taken into consideration in awarding the scholarship. No application is necessary.

HENRY AUSTIN MEMORIAL 4-H SCHOLARSHIP

In memory of Henry Austin, a devoted friend to everyone and a dedicated leader who faithfully served the County of Cumberland for more than seven years as Agricultural Representative, a memorial fund has been established by his friends to provide an annual scholarship to a deserving 4-H Club member from Cumberland County attending first year in either the Technician or Degree Course at the Nova Scotia Agricultural College, or a Home Economics Course, at the College of his or her choice.

This fund will be administered by and the selection of the recipient will be made by the Scholarship Committee of the Cumberland County Federation of Agriculture.

The value of the scholarship at this time is \$100.00, payable in two parts: \$50.00 on successful completion of the first term and the balance on completion of the year's course.

Applicants must possess a Grade XI High School Certificate, have completed at least two years in 4-H club work in Cumberland County, and be recommended by a District Federation of Agriculture.

Selection will be made on the following basis:

1. Leadership ability and interest in community activities.
2. Scholastic standing and financial need.

Applications must be submitted to the Secretary of the County Federation of Agriculture, not later than October 15th.

Application forms may be obtained from the Secretary of the District Federations of Agriculture in the candidate's area, or the Agricultural Office, Amherst.

CANADIAN NATIONAL EXHIBITION SCHOLARSHIP FOR 4-H CLUB MEMBERS

The Canadian National Exhibition will award annually, in each province, a scholarship of the value of \$600. and an all expense trip to the Canadian National Exhibition to a candidate wishing to enter a degree course in Home Economics, a degree course in Agriculture, a degree course in Veterinary Medicine, or a technician course in Agriculture.

Candidates must be at least 17 years of age, have completed at least two years in 4-H Club work, and have shown qualities of leadership and an interest in community activities.

The successful candidate will receive his or her award at a fitting ceremony at the Canadian National Exhibition in the year in which it is won.

A successful candidate may have five years in which to take up his or her scholarship.

Application forms may be obtained from the Agricultural Representative.

ENTRANCE SCHOLARSHIPS (Technican Course)

MARITIME CO-OPERATIVE SERVICES LTD. BURSARIES

Maritime Co-operative Services Ltd. offers four bursaries of \$100. each to students entering the Technician Course.

The selection will be made on the following basis: (a) the recommendation of a local co-operative or district Federation of Agriculture, (b) need, and (c) potential for community leadership and/or co-operative endeavour.

Applications should be sent to Maritime Co-operative Services Limited, Box 750, Moncton, N. B., not later than August 31.

THE LORNE S. FISHER MEMORIAL SCHOLARSHIP

In memory of the late Lorne S. Fisher, a leader in and a good friend of farm organizations in his community, his county and his province, and a member of the Federation of Agricul-

ture, the Cumberland County Federation of Agriculture has set up a scholarship of \$100.00, open to a candidate who is a son or a daughter of a Federation member and who is enrolled in 1967-68 in the Technician Course at this institution. The scholarship will be payable in two parts: \$50.00 on completion of the first year and \$50.00 on completion of the second year.

Applications must be approved by the District Federation of Agriculture and must be submitted to the Secretary of the Cumberland Federation of Agriculture by August 31. Application forms may be obtained from the Secretary of the District Federation of Agriculture in the candidate's area.

CONTINUATION SCHOLARSHIPS

(For students at the Nova Scotia Agricultural College.)

PROVINCE OF NOVA SCOTIA SCHOLARSHIPS

The Province of Nova Scotia offers the following scholarships:

- (a) a scholarship of \$300. to each Nova Scotian who has attained an average of at least 80% on the required courses of the first year of the Degree Course and who registers in the second year of the Degree Course.
- (b) a scholarship of \$150. to each Nova Scotian who has attained an average of at least 75% on the required courses of the first year of the Degree Course and who registers in the second year of the Degree Course.

No application is necessary.

Half of the scholarship will be available at the time of registration and half after successful completion of the work of the first term of the second year of the Degree Course.

BRITISH AMERICAN OIL COMPANY SCHOLARSHIP

The British American Oil Company offers a scholarship of \$150.00 to a worthy student in the second year of the Degree Course. In awarding this scholarship, academic standing and financial need will be taken into consideration. No application is necessary.

IRA L. RHODENIZER MEMORIAL SCHOLARSHIP

The Nova Scotia Federation of Agriculture offers, as memorial to the late Ira L. Rhodenizer, long time friend of

organized agriculture and the 4-H movement, a scholarship of \$150 to a student in the Second Year Diploma Class or the Second Year Degree Class. The recipient must be a Nova Scotian of high academic standing who has taken an active part in student affairs and has been active in the 4-H movement. The scholarship will be payable after the winner has registered for his second year. No application is necessary.

THE KENT FOODS CENTENNIAL SCHOLARSHIP

Cerebos (Canada) Limited, a subsidiary of Cerebos Limited, a world wide organization engaged in agriculture and food processing, and the parent company of Kent Foods, desirous of encouraging the study of agriculture, will provide, in recognition of Canada's centennial, a scholarship of \$1000.00 to that student in the second year of the Degree Course who was, in the opinion of the Faculty, the leader in his or her first year. In making this award the Faculty will consider academic standing, leadership in student activities and qualities of good citizenship in the academic community.

PROVINCE OF PRINCE EDWARD ISLAND SCHOLARSHIPS

The Province of Prince Edward Island offers the following scholarships:

- (a) A Scholarship of \$300. to each P.E.I. student who has attained an average of at least 80% on the required courses of the first year of the Degree Course and who registers in the second year of the Degree Course.
- (b) A Scholarship of \$150. to each P.E.I. student who has attained an average of at least 75% on the required courses of the first year of the Degree Course and who registers in the second year of the Degree Course.

No application is necessary.

Half of the scholarship will be available at the time of registration and half after successful completion of the work of the first term of the first year of the Degree Course.

THE DR. KENNETH COX SCHOLARSHIP

As a tribute to their retiring Principal, the Class of 1964 of the Nova Scotia Agricultural College established a fund of \$2000.00, the interest on which is to be awarded annually to a worthy student who has finished his second year and is entering the third year in agriculture. No application is necessary.

CONTINUATION SCHOLARSHIPS

(For graduates of the Nova Scotia Agricultural College registered at other institutions.)

MACDONALD COLLEGE SCHOLARSHIP

Macdonald College offers a scholarship of \$800 to the student of the Nova Scotia Agricultural College who obtains the highest standing in the work of the third year of the Degree Course in that College, and who subsequently registers in the fourth year at Macdonald College. The scholarship will be paid in two instalments: half at the beginning of the fourth year, half at the beginning of the fifth year.

NEW BRUNSWICK DEPARTMENT OF AGRICULTURE SCHOLARSHIP

The New Brunswick Department of Agriculture offers to pay one year's tuition fee for the New Brunswick student who obtains the highest standing in the work of the second and third years of the Degree Course at the Nova Scotia Agricultural College, and who subsequently registers at any Agricultural or Veterinary degree conferring college in Canada.

CANADA PACKERS LIMITED SCHOLARSHIP

Canada Packers Limited offers a scholarship of \$250 to a worthy student who has satisfactorily completed the three year Degree Course at the Nova Scotia Agricultural College and who elects to continue in an Animal Husbandry, Poultry or General Agriculture option at some Canadian Agricultural College. Application for this scholarship must be made to the Registrar before April 15 of the applicant's final year at the Nova Scotia Agricultural College.

In making the above award, financial need will be taken into consideration.

KETCHUM MANUFACTURING COMPANY LIMITED SCHOLARSHIP

The Ketchum Manufacturing Company Limited has provided a \$1,000 Dominion of Canada Bond, the interest on which is to be used for an annual scholarship available to a Nova Scotia Agricultural College graduate registered in an Animal Husbandry option. The scholarship will be awarded to a wor-

thy student with a satisfactory academic standing. Application for this scholarship must be made to the Registrar before April 15 of the applicant's last year at the Nova Scotia Agricultural College.

MARITIME CO-OPERATIVE SERVICES LIMITED SCHOLARSHIP

Maritime Co-operative Services Limited offers a scholarship of \$100.00 to a graduate of the Nova Scotia Agricultural College from the Maritime Provinces entering the final two years at an approved agricultural college. The scholarship will be awarded on the following basis:

- (a) scholastic ability,
- (b) financial need,
- (c) knowledge and appreciation of co-operatives.

Application forms may be obtained from the Principal of the Nova Scotia Agricultural College.

Applications must be in the hands of the Principal by April 1.

ASSOCIATED SUPPLIERS OF THE NOVA SCOTIA CREAMERY, ICE CREAM AND MILK DISTRIBUTORS' ASSOCIATION SCHOLARSHIP

The Associated Suppliers of the Nova Scotia Creamery, Ice Cream and Milk Distributors' Association offer a scholarship of \$700.00 to a student who has satisfactorily completed the three year Degree Course at the Nova Scotia Agricultural College and who subsequently registers in a Dairy Science option. Application for this scholarship should be made to the Registrar before April 15 of the applicant's final year at the Nova Scotia Agricultural College. There is no application form.

THE COLLEGE WINTER FAIR

During each College year, about the middle of the Second Term, the students put on a College Winter Fair, or College Royal, as it is frequently called. The show is a competition in fitting and showmanship rather than a contest among the horses, cattle, sheep, swine and poultry used in the exhibition.

In addition to livestock classes, the show also features competition in Agronomy, Horticulture and Farm Management and a series of educational demonstration booths.

The program and show are administered by students who hold the various offices necessary for the satisfactory operation of an exhibition.

ENROLLMENT 1966-67

FIRST YEAR DEGREE

- Arsenault, Francis J. E., Jacquet River, N. B.
Adams, John Earl, Sea View, Kensington, P. E. I.
Alleyne, Charles Malonie, Scarborough, Tobago, W. Indies
Austin, James Laidlaw, R.R. #2, Whycocomagh, Inv. Co., N. S.
Barnhill, Edward Bruce, 79 Lansdowne St., Sackville, N. B.
Bharrathsingh, Surajedo, Batchya Village, Penal, Trinidad
Birrell, Geoffrey Norman, 339 Stanstead Ave., Montreal 16, P. Q.
Blair, John Norval, Franklin Center, P. Q.
Bolhuis, William Albert, Box 190, Mineville, Hfx. Co., N. S.
Colwill, John Claude, Northam, P. E. I.
Eisner, Richard Allen, 440 Highland Dr., Windsor, N. S.
Ebbett, Wendell Earl, 76 Greenwood Dr., Moncton, N. B.
Ellis, Linda Jeanette, Brookfield, N. S.
Gates, David Lynn, Bear River, N. S.
Gammell, David William, Newton Mills, Col. Co., N. S.
Gorrill, Charles, O'Leary, R.R. #2, P. E. I.
Harris, James Wendell, Summerside, R.R. #2, P. E. I.
Hendsbee, Ellison Graham, R.R. #4, Mabou, N. S.
Heywood, Benjamin Hinsley, St. Louis Rd., Castries, St. Lucia, W. I.
Hiltz, Frank A. M., Liverpool, N. S.
Himelman, Donald Everett, 31 Francis St., Dartmouth, N. S.
Hiscock, Dell Andrew, Plaster Rock, R.R. #2, N. B.
Hutchinson, Andrew T. G., 106 Richard St., E. Saint John, N. B.
Jess, James Lawrence, Port Williams, N. S.
Johnson, Gregory E., Old Barns, Col. Co., N. S.
Kitchen, Bruce Foshay, 98 Normandy Ave., Truro, N. S.
MacKay, William Alexander, R.R. #5, Tatamagouche, N. S.
MacLeod, William Edward, 45 Longworth Ave., Truro, N. S.
Madden, Patrick Michael, 3 Emerald St., Scotchtown, C. B. Co., N. S.
Melanson, Warren Arthur, R.R. #6, Amherst, N. S.
Meyer, Wiebe Jurig, R.R. #2, Cornwall, Ont.
Murphy, Lloyd George, Sea View, R.R. #2, P. E. I.
Nunn, Phillip Earle, Summerville, Hants Co., N. S.
O'Driscoll, Phyllis Margaret, 20 Laughlin Crescent, St. John's, Nfld.
Parker, Murray Mervyn, Newport, Hants Co., N. S.
Quinn, Mary Alexandria, 174 Victoria Rd., Dartmouth, N. S.
Roberts, Brian G., 482 Bourke Ave., Dorval, Que.
Searle, George Frederick, R.R. #3, Truro, N. S.
Selig, Gary Stephen Henry, Wilmot Sta., Anna. Co., N.-S.
Singh, Benjamin Aseis, DeHoop, E. C. Demerara, Br. Guiana
Sparkes, Calvin, P. O. Box 2068W, St. John's, Nfld.
Sullivan, Brian J., Site 24, Box 8, St. John's S., Nfld.
Tedford, Robin Lee, 69 Union St., Sydney, N. S.

Thompson, Eric Richard, R.R. #3, Moncton, N. B.
Townsend, Dale Owen, R.R. #2, Truro, N. S.

SECOND YEAR DEGREE

Adams, Robert Gordon, 121 Westmount Road, Sydney, N. S.
Adsett, John Francis, 477 Lutz Street, Moncton, N. B.
Arenburg, David Murray, 125 Queen Street, Truro, N. S.
Archibald, Alfred, 38W Reliance Settlement, Berbice, Br. Guiana
Barkhouse, Henry Peter, Aylesford, R.R. #2, N. S.
Bishop, Gary Everett, Wolfville, N. S.
Carlisle, David Everett, Mouth of Keswick, N. B.
Chant, George Walter, 186 South Street, Glace Bay, N. S.
Corey, James Alan, Paradise, Anna. Co., N. S.
Culligan, Timothy Alfred, Jacquet River, Restigouche Co., N. B.
Delbridge, Richard William, 13 Churchill Street, Truro, N. S.
Edwards, Sullivan Wilson, King's Bay, Tobago, West Indies
Fletcher, Arthur David, 70 Springvale Ave., Armdale, N. S.
Freeman, Robert Whitman, Pleasant River, Queens Co., N. S.
Fyfe, Peter Stewart, 1447 Edward Street, Halifax, N. S.
Grimm, Paul Hayward, Berwick, R.R. #4, N. S.
Gunn, Donald Lester, Scotsburn, Pictou Co., N. S.
Hendrickson, Paul Andrew, 34 Sweet Briar Dr., Beaconsfield, Que.
Hill, Arthur Fulton, R.R. #5, Truro, N. S.
Howe, Donald Earl, Oromocto, R.R. #1, N. B.
Jensen, Paul, Perth, R.R. #1, N. B.
Johnson, Peter Warren, 17 College Road, Truro, N. S.
Keddy, Keith Michael, R.R. #1, Kingston, N. S.
Keddy, Stewart Randolph, R.R. #1, Kingston, N. S.
Keizer, Elliott Ralph, Centreville, R.R. #3, Kings Co., N. S.
Knol, William, Oxford, Cumb. Co., N. S.
Manuel, Keith Harley, R.R. #3, Woodstock, N. B.
Mills, James Ernest, Annandale, P. E. I.
Mills, Bruce Alexander, R.R. #6, Moncton, N. B.
Mowry, Gerald Benjamin, 173 Neill St., Fredericton, N. B.
Murray, John Phillip, Flatlands, N. B.
Murray, John Reginald, 334 Brunswick St., Fredericton, N. B.
MacDonald, Ann Christine, North Ainslie, Inv. Co., N. S.
MacDonald, Angus Alexander, R.R. #2, Mabou, N. S.
MacIsaac, James Allison, Peel, Carleton County, N. B.
MacKay, Gary Wallace, R.R. #2, Upper Stewiacke, N. S.
MacKeigan, Neil Gordon, R.R. #2, Marion Bridge, N. S.
MacLeod, Victor W., Northam, P.E.I.
MacMinn, David H., R.R. No. 2, Bathurst, N. B.
MacPhail, Malcolm Lloyd, Argyle Shore, P. E. I.
Neilson, Ralph David, Sheffield, Sun. Co., N. B.
Newson, James Freeman, 55 Leggett Ave., Weston, Ont.

Perrin, Walter Robert, R.R. #1, Debert, N. S.
 Searle, John Stephen, 47 Pleasant St., Truro, N. S.
 Smith, Harry Arthur, 88 Woodland Dr., Moncton, N. B.
 Sparrow, Robert Boyle, Kinburn, Ont.
 Tracey, Bernard Lawrence, Falmouth, Hants Co., N. S.
 Veira, Douglas McGregor, Casa-del-Monte, Duncans P. O, Jamaica, W.I.
 Walsh, Margaret Louise, R.R. #2, Moncton, N. B.
 Warnock, Willard Borden, P. O. Box 26, Grand Falls, N. B.
 Webster, John Walter, 25 Phillip St., Truro, N. S.
 Williamson, Ralph Donald, Trenton, R.R. #2, N. S.

FIRST YEAR DIPLOMA

Baltzer, Vinton Marshall, Aylesford, Kings Co., N. S.
 Buote, Leonel Jean, Hunter River, R.R. #3, P. E. I.
 Cameron, Brian Ralph, Box 11, Loggieville, N. B.
 Campbell, John Lloyd, R.R. #3, North Grant, Ant. Co., N. S.
 Carr, Ronald Lloyd, Miscouche, P. E. I.
 Cox, Gerald Roy, Shubenacadie, R.R. #3, N. S.
 Feeney, Richard Arnold, Harvey Sta., N. B.
 Gielen, Mathys S. M., R.R. #1, Millville, C. B. Co., N. S.
 Lea, Douglas Gorden, Vernon River, P. E. I.
 Leighton, Rodney Lawrence, Summerside, R.R. #1, P. E. I.
 Lutz, Terry Willard, Berwick, R.R. #4, N. S.
 MacBeth, John Colin, St. Peter's, P. E. I.
 MacLeod, George C. H., R.R. #1, Sydney, N. S.
 Matheson, Richard Bruce, 37 Division St., Bedford, N. S.
 Parker, Ralph McKinnon, Cambridge Sta., R.R. #2, N. S.
 Parker, Ross Graham, R.R. #5, Truro, N. S.
 Upward, Bruce Robert, Cormack, Nfld.
 Van Berkel, Anthony, R.R. #5, Antigonish, N. S.
 Wamanji, Charles Ndunji, P. O. Box 280, Thika, Kenya, E. Africa
 Wile, Roderick Earl, R.R. #1, Bridgewater, N. S.

SECOND YEAR DIPLOMA

Affleck, Stuart Hector, Bedeque, P. E. I.
 Bradbury, Gerald Carleton, Bay Roberts, Nfld.
 Caseley, Roger William, Kensington, R.R. #4, P. E. I.
 Deveau, Stanley Albert, R.R. #4, Yarmouth, N. S.
 Dingwell, Thomas Rodney, Morell, R.R. #3, P. E. I.
 Foster, Gordon Peter, Caroni Ltd., Gordon Area, Couva, Trinidad
 Gallant, Paul Allyre, Souris West, P. E. I.
 Grant, Peter James, Milford Sta., R.R. #1, Hants Co., N. S.
 Heukshorst, John Francis, R.R. #2, Mabou Ridge, N. S.
 Juurlink, Joseph John M., R.R. #1, Milford Sta., N. S.
 Lemmon, Gordon Maxwell, R.R. #1, Up. Musquodoboit, N. S.

Lunnie, William Patrick, Argyle, Carleton County, N. B.
 McCarron, Jerome Ambrose, R.R. #3, North Grant, N. S.
 MacDonald, Kenneth David, R.R. #2, Waterville, N. S.
 McNutt, Wallace Gordon, 134 Vimy Road, Truro, N. S.
 Muir, Alexander Russell, St. Andrews, R.R. #1, N. B.
 Ogilvie, William Carl, P. O. Box 628, Bridgewater, N. S.
 Pickett, Donald Leslie, Andover, N. B.
 Pickett, Lewis Earl, Andover, N. B.
 Power, Gregory Joseph, P. O. Box 5251, St. John's, Nfld.
 Riordon, Patrick Wm., Riordon, Glouc. Co., N. B.
 Rodd, Gordon Strothard, North Milton, P. E. I.
 Russell, Richard Lewis, Russell Road, Ft. Fairfield, Maine
 Salter, Garnett Wilfred, Westville, R.R. #2, N. S.
 Silver, Keith Gordon, Berwick, R.R. #1, N. S.
 Smith, Terry Gordon, Cardigan, R.R. #6, P. E. I.
 Sponagle, Andrew Gaye, Avonport, Kings Co., N. S.
 Townsend, Roderick Brenton, R.R. #3, Bras d'Or, C. B. Co., N. S.
 Waters, David W., Silver Falls, St. John Co., N. B.

FIRST YEAR TECHNICIAN

Andersen, Ray Franklin, Andover, R.R. #1, N. B.
 Burgher, Arnold Eugene, Research Station, Kentville, N. S.
 Butler, Donald John, Avondale, R.R. #1, Pictou Co., N. S.
 Cudmore, Donald James, North Winsloe, P. E. I.
 Farquharson, Robert Hugh, P. O. Box 75, Kensington, P. E. I.
 Fownes, Charles Alexander, P. O. Box 123, Baddeck, N. S.
 Gammell, William Clarence, Main St., Westville, N. S.
 Grant, Richard George, Kinross, R.R. #2, P. E. I.
 Grant, Wilfred Fraser, Milford Sta., Hants Co., N. S.
 MacAfee, James Lee, 628 Beaverbrook St., Fredericton, N. B.
 MacNaughton, James Francis, Box 416, North St., Westville, N. S.
 Mahoney, Brian Michael, P. O. Box 98, Bath, N. B.
 Mailman, Randall St. Clair, Bridgewater, R.R. #1, N. S.
 Pierce, John Allison, R.R. #3, Kingston, N. S.
 Roze, Jack Barry, 17 Ellis Road, Yarmouth, N. S.
 Smith, Frederick Ian, Pownal, P. E. I.
 Thompson, Robert Loran, North Milton, P. E. I.
 Topshee, Colin Andrew, 50 Pleasant St., Truro, N. S.
 Trenholm, Eric, R.R. #7, Amherst, N. S.
 Underhay, Fulton, 222 Grafton St., Charlottetown, P. E. I.

