
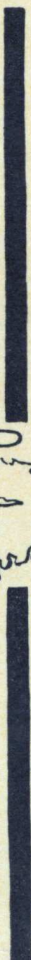


**The  
Nova Scotia  
AGRICULTURAL  
COLLEGE**



TRURO • NOVA SCOTIA

**CALENDAR  
1959 - 1960**



# APPLICATION FOR ADMISSION

## NOVA SCOTIA AGRICULTURAL COLLEGE

Date.....

Name in full.....

Address.....

Birthday ..... Religious Denomination.....  
Day Month Year

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

Address.....

Have you been, at any time, a member of a 4-H Club?..... Give details of interest

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.....

Course Desired: Farm..... Advanced Farm..... First Year Degree..... Second Year Degree

Highest Scholastic Certificate obtained (giving year obtained and where written):.....

NOTE: Educational Certificates must accompany applications for entrance to the First  
Year Degree Course.

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

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





Fifty-Fourth Annual

# CALENDAR

OF THE

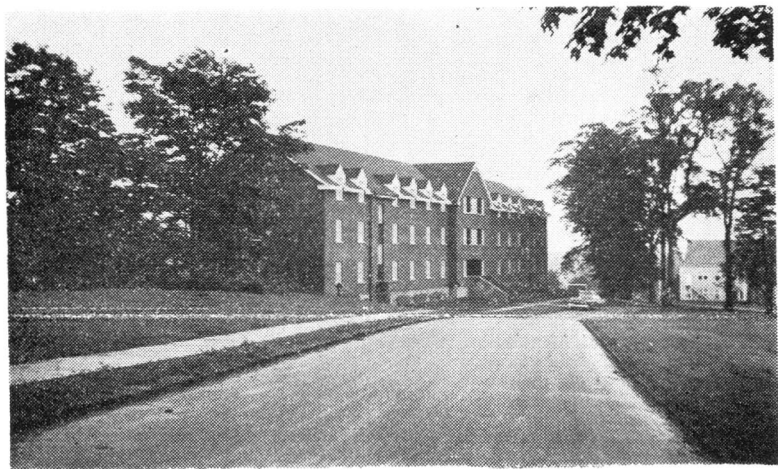
Nova Scotia  
Agricultural College  
TRURO

UNDER

The Nova Scotia Department  
of Agriculture and Marketing

1959 - 1960





*Trueman House*





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# 1959

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## SEPTEMBER

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# 1960

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## JANUARY

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## JUNE

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26	27	28	29	30		

# COURSE CALENDAR

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## Farm Courses

### 1959

- October 28—Registration.  
October 29—Lectures begin at 8:30 a.m.  
December 19—Last day of lectures before Christmas recess.

### 1960

- January —Lectures resume on date to be announced.  
January 15-23 —First term examinations.  
January 25—Second term lectures begin at 8:30 a.m.  
April 22-May 2—Second term examinations.  
May 4—Graduation Exercises.

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## Degree Course

### 1959

- September 7—Refresher course begins at 9:00 a.m.  
September 21—Supplemental examinations.  
September 21—Registration.  
September 22—Lectures begin at 8:30 a.m.  
November 14—No classes.  
December 19—Last day of lectures before Christmas recess.

### 1960

- January —Lectures resume on date to be announced.  
January 15-23 —First term examinations.  
January 25—Second term lectures begin at 8:30 a.m.  
April 22-May 2—Second term examinations.  
May 4—Graduation Exercises.

# FACULTY OF INSTRUCTION

**Principal**  
**KENNETH COX, M.S.A.**

**Vice Principal**  
**J. E. Shuh, M.Sc.**

<b>Agricultural Engineering</b> .....	D. C. Milligan, B.Sc. (Agr.) C. E. Henry, B.Sc. (Agr.) M. C. MacNevin, B.Sc. (Agr.) G. E. Townsend, B.Sc. (Agr.)
<b>Agronomy</b> .....	Kenneth Cox, M.S.A. J. E. Shuh, M.Sc. D. T. Slater, M.Sc. J. F. Mahoney, M.S.A.
<b>Animal Husbandry</b> .....	S. L. Curtis, Ph.D. P. Y. Hamilton, M.Sc. L. M. Cock, B.Sc. (Agr.) R. J. Huggard, B.Sc. (Agr.)
<b>Apiculture</b> .....	E. A. Karmo, B.Sc.
<b>Botany, Bacteriology</b> .....	A. E. Roland, Ph.D. G. D. Palfrey, B.Sc. (Agr.)
<b>Chemistry</b> .....	G. R. Smith, Ph.D. J. E. Milligan, B.Sc. (Agr.) W. M. Langille, M.Sc. J. D. Hilchey, M.Sc. J. R. Booker
<b>Cooperation, Rural Sociology</b> .....	F. E. Scammell, B.Sc. (Agr.)
<b>Dairying</b> .....	T. A. Murray, B.S.A.
<b>Economics, Farm Management</b> .....	W. A. Jenkins, M.Sc. (Agr.) W. V. Grant, M.Sc. D. M. Byers, B.Sc. (Agr.)
<b>English</b> .....	Parker Cox, M.A.
<b>Entomology</b> .....	M. E. Neary, B.Sc. (Agr.) V. R. Vickery, M.Sc.
<b>Forestry</b> .....	G. R. Maybee, B.Sc.F.
<b>Horticulture</b> .....	C. M. Collins, M.S.A. G. B. Kinsman, M.Sc. H. A. L. MacLaughlin, M.Sc. N. V. Jankov
<b>Mathematics, Physics</b> .....	Roy H. Stevenson, B.A., B.Sc.
<b>Poultry</b> .....	D. R. MacDonald, B.Sc. (Agr.)
<b>Veterinary Science</b> .....	E. E. I. Hancock, D.V.M.

## Administrative Officers

<b>Business Manager</b> .....	R. F. MacEwan
<b>Registrar</b> .....	Parker Cox, M.A.
<b>Secretary</b> .....	Lolita C. Dewar
<b>Librarian</b> .....	R. H. Stevenson, B.A., B.Sc.

# AGRICULTURAL COURSES OFFERED

To the student who wishes to farm or engage in professional agriculture, the Nova Scotia Agricultural College offers courses designed to better fit him for the line of endeavour he wishes to follow.

Agriculture offers to the alert young 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 fifty-three 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 300 acre farm 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 is a modern 124 bed dormitory, complete with a cafeteria, an infirmary, a Dean's residence, and storage, laundry, recreation and common rooms.

The following courses in agriculture are offered at the Nova Scotia Agricultural College:

- (a) A one-year Farm Course.
- (b) An Advanced Farm Course.
- (c) A two-year Degree Course.
- (d) Agricultural Short Courses.

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 instructors, trained in their own subjects, are constantly in touch with farm problems and agricultural organizations, because of the provincial positions they occupy with the Nova Scotia Department of Agriculture and Marketing.

The various courses arranged for the 1959-60 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.



# General Information

## Post Office Address:

All mail should be addressed:  
Nova Scotia Agricultural College, Truro, N. S.

## Telephone:

Nova Scotia Agricultural College, Truro 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 maintain a bus terminal and ticket office at Truro.

## Banks:

The following chartered banks have branches in Truro:

The Bank of Nova Scotia  
The Canadian 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  
The Salvation Army

**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.



*Looking up References in the Library*

# 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.

Students will not be permitted more than one unauthorized absence (from classes, practical instruction or laboratory periods) per credit per subject per term. Students who violate the above regulation will not be permitted to write the examination in the subject concerned.

Authorized absences for students for College activities will be credited towards the required attendance. Absence because of illness or family emergencies will be dealt with as individual cases. In case of illness the Registrar should be notified at once.

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.

## RESIDENCE REGULATIONS

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

Students must wear a jacket (coat or blazer), shirt and tie at all noon and evening meals, and must conduct themselves in an orderly manner in the dining hall.

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

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

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

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

Each room is provided with a broom, mop 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.

Ample provision is made for lighting in the students' rooms and no additional lamps will be permitted.

No firearms are permitted on College property.

Athletic equipment, such as hockey sticks, baseball bats, balls, pucks, etc., is to be kept in the storage room beside the recreation room in the basement.

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 \$5.00 (\$10.00—residents in dormitory) with the Registrar to cover fines, breakage, etc. 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 disease, 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 hospitalization or for 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.

### **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 the Administration Building, 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.

## **ATHLETICS**

Supervised athletics are a regular part of the College program. Basketball and hockey teams represent the students in local leagues and, as much as possible, in competition with other colleges and with rural high schools. An inter-class program provides an opportunity to the student who so desires to play basketball, hockey, softball, volley ball or badminton.

All students are to be in possession of a pair of gymnasium shoes, or sneakers. No other footwear is allowed to be worn in the gymnasium by those taking part in athletic competitions.

## **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 three credits 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.

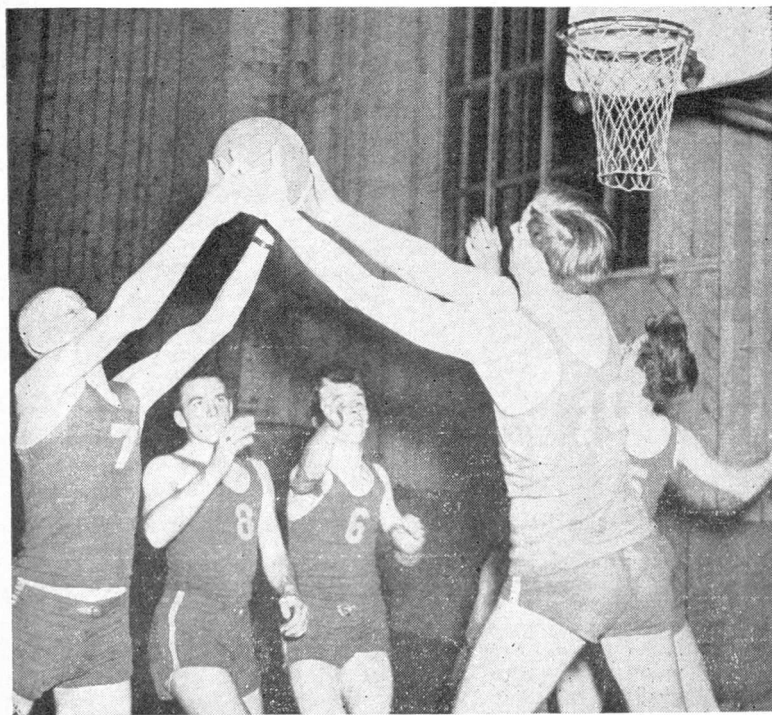
All teams or groups that go to any community or institution to participate in athletic or other activities must be accompanied by a member of the College staff.

## 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 participation in outside games will not receive an attendance credit for the time lost.



*In the gymnasium*

# FARM COURSE

This six months' course in practical agriculture is designed for students who are interested in farming. It is definitely a preparation for life on the farm and for citizenship in the community.

Through the Farm Course it is hoped that young Maritime farmers will get training not only in Agriculture but also in some of the fundamental subjects which will better prepare them to take their place in their respective communities.

Science is taught to give the students a reasonable understanding of the processes which they see about them and to provide a sound basis for application of these principles in practice. In all branches of the course, emphasis is placed on demonstration and practice.

The course will be given from October 28th, 1959, to May 4th., 1960 inclusive, thus permitting the student to spend the whole crop season on the farm and to keep in active touch with the farm operations.

Students will receive a transcript of marks attained on the year's work. Students whose record of achievement is satisfactory to the Faculty will be eligible for enrolment in the Advanced Farm Course.

## DATE OF APPLICATION

The College reserves the right to refuse all applications after September 15th, 1959.

## FINANCIAL ASSISTANCE

Financial assistance for Farm Class 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 Farm Class students in both years who must board away from home.

Transportation to and from College is also provided at the beginning and end of the College year. So far as this Calendar is concerned, both these provisions apply only to Nova Scotia students.

## ENTRANCE REQUIREMENTS

All candidates for admission to the six months' Farm Course:

- (a) Must be sixteen years of age on or before the opening day of the College year.
- (b) Must be of good moral character.
- (c) Must present a medical certificate dated not more than 30 days previous to registration.
  - (i) If required, students must submit to further medical examination upon request.

- (d) Must satisfy the College authorities that they possess such a knowledge of the English language as will enable them to profit by the attendance at lectures.
- (e) Must have spent at least one year or its equivalent at work on a farm, and must have a practical knowledge of ordinary farm operations.
  - (i) A certificate of farm experience from the farmer or farmers, for whom the applicant has worked, must be produced if required by College authorities. The certificate must show the time spent and the nature of the work done.
- (f) Must pay in advance all necessary fees and required deposits.
- (g) Should possess a Nova Scotia Grade X certificate, or equivalent. Students who do not possess this qualification will be considered and accepted on their respective merits, only.

### EXPENSES

The following payments are to be made at time of registration and are payable strictly in advance:

	Residents of	
	Canada	United States and Foreign
Tuition (per College Year).....	Free	\$50.00
Library.....	1.00	1.00
Students' Council.....	8.00	8.00
Agricola—Students' Year Book.....	3.00	3.00
*Caution Deposit.....	5.00	5.00
Medical Services.....	6.00	6.00
	\$23.00	\$73.00

\*Residents in Truman House will deposit \$10.00.

The cost of books for a Farm or Advanced Farm Class year amounts to approximately \$10.00.

Provided that no adjustment in the rates proves necessary before registration day, Nova Scotian students under the financial assistance plan will make the following payments for board and lodging:

October 28.....	\$24 .
November 25.....	\$22 .
January opening date.....	\$30 .
February 8.....	\$36 .
March 21.....	\$39 .

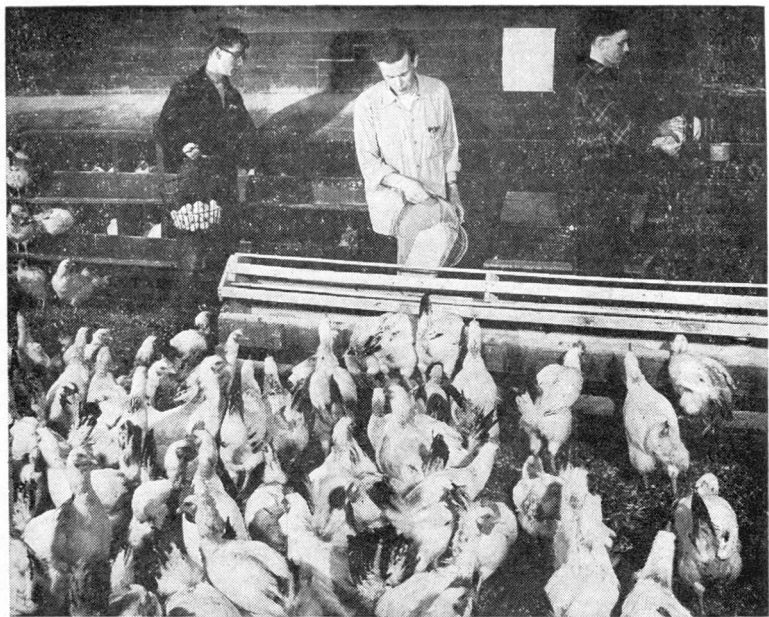
Provided that no adjustment in the rates proves necessary before registration day, Farm Class students not under the financial assistance scheme provided for Nova Scotian students will make the following payments for board and lodging:

October 28.....	\$52 .
November 25.....	\$47 .
January opening day.....	\$65 .
February 8.....	\$80 .
March 21.....	\$80 .

A student from New Brunswick or Prince Edward Island should consult the Department of Agriculture of his province to find out what financial assistance is available.



*Cafeteria---Trueman House*



*Farm Class Students taking part in a Poultry Laboratory period*



*Farm Class Students observe the Mixing of Ration for dairy cattle*

## Description of Courses

The following courses are arranged for the 1959-60 College year. The Faculty reserves the right to make any revisions and additions which may be necessary.

### AGRICULTURAL ENGINEERING

First term

- (a) Farm drainage methods.  
1 lec. per week.
- (b) Manual training, wood working and use of wood working tools.  
2 labs. per week.

Second term

- (a) Farm building construction and repair.  
1 lec. per week.
- (b) Farm shop work. An introduction to electric and acetylene welding and blacksmithing.  
2 labs. per week.

### AGRONOMY

The growing of field crops occupies a very important place in the successful operation of most Maritime farms. Whether the crop is to be fed to livestock, on the farm, or sold to produce revenue, the use of proper varieties and the best methods of growing the crop are essential to success.

Both terms—2 lecs. and 1 lab. per week.

### ANIMAL HUSBANDRY

The production of livestock and livestock products occupies an important position on the farms of the Maritime Provinces. For this reason, students in this course will be taught the practical application to farm problems of the most important principles through demonstration and practice in the appraisal of production records, selection, breeding, care and management of dairy and beef cattle, sheep, swine and horses.

Whenever possible, arrangements will be made for students to visit livestock farms for the purpose of studying the various practices and methods employed.

Both terms—2 lecs. and 1 lab. per week.

### APICULTURE

A complete course is given in modern beekeeping with particular reference to care and management of bees on the average farm. This



work consists, in the main, of such topics as spring management, securing and installing package bees, methods of swarm control, queen rearing, honey production and preparation for market, disease control and the preparation of colonies for winter.

Second term—2 lecs. per week.

### **BOTANY**

The structure and growth of the leaf, stem, root, flower and seed are studied with elementary microscopic work. This is followed by work dealing with the identification of weeds, weed seeds and trees found in the Maritime Provinces. Specimens of the common weeds and trees will be present for study so that permanent collections can be mounted and kept by each student for future reference.

Weed control, including chemical weed control, the succession of plants in pastures and woodlands, and some aspects of conservation are considered.

Both terms—1 lec. and 1 lab. per week.

### **CHEMISTRY**

In this course the students will make a study of the fundamental principles of elementary chemistry and their application in:

- (1) Providing a pure farm water supply.
- (2) Intelligent handling of farm products.
- (3) The study of soils and soil management.

First term—2 lecs. and 1 lab. per week.

Second term—2 lecs. and 2 labs. per week.

### **CO-OPERATION**

Instruction in the field of Co-operation will be given by men engaged in Co-operative activities in the Maritimes. The course will include lectures on the principles of co-operation, types of co-operatives and the marketing of farm produce. Each student will be required to write a paper on "Farm Products Produced in My Home Community and How Marketed", or attend the National Farm Forum broadcasts and write up a number of the discussions.

Both terms—1 lec. per week.

### **ENGLISH**

This course is intended to help the student to write and speak good English. Classes will be given in composition, correspondence and the conduct of public meetings. Readings designed to encourage an interest in good literature will be assigned.

The preparation of seminar papers will be required.

Both terms—1 lec. per week.

Both terms—1 seminar (1 lab. period).

## ENTOMOLOGY

Insects are of great importance to agriculture in the Maritime Provinces. All field crops, vegetable garden crops, fruit crops and plants in the flower garden suffer injury at one time or another from various insects. In addition, insects cause annoyance and injury to livestock; they contaminate food by carrying filth and disease germs; and they injure fabrics in the home as well as many stored farm products. Many of our common insect pests are familiar by the injury they cause. On the other hand, some insects are friends of the farmer in that they destroy other injurious insects.

In this course the student is taught about insects, their structure, growth and habits, and how to recognize and control the more common farm pests.

First term—1 lec. and 1 lab. per week.

## FARM MANAGEMENT

This course deals with the business aspects of farming and considers the organization and operation of the farm from the point of view of efficiency and continuous profits. Emphasis is put on types of farming factors affecting profits, simple forms of records and accounts, methods of getting started, choosing a farm, and planning the organization of a farm business.

Field laboratory periods are held on various farms in the district and a Farm Management tour is arranged each year for the benefit of the students in this course.

First term—2 lecs. and 2 labs. per week.

Second term—2 lecs. and 1 lab. per week.

## HORTICULTURE

The course in Horticulture covers instruction in small fruits, plant propagation and practical orcharding. The course in small fruits outlines practices in general use in the culture of strawberries, raspberries, blueberries, cranberries, currants and gooseberries. Plant propagation is essentially a laboratory and greenhouse course giving practice in the various methods of propagating and developing plants, bushes and trees. It also includes seedage, cuttage, layering, division, runnering, grafting and budding, etc.

The lecture course in orcharding covers practices involved in commercial orchard work and deals with the practical problems of getting an orchard established, including planting detail, setting trees, arrangement of varieties for pollination, etc.

Both terms—2 lecs. and 1 lab. per week.

## MATHEMATICS

A review of elementary arithmetic; decimals, percentages, ratio and proportion, mensuration, and the standardization of dairy products. Both terms—1 lec. per week.

## POULTRY

The poultry flock has assumed considerable importance during recent years and now has been expanded to the point where it constitutes a major side line on many Maritime farms. Students will study the history and scope of poultry production work in Canada in general and the Maritimes in particular. This course also covers instructions in culling the farm flock, selection of breeding stock, brooding and rearing chicks, flock management, anatomy and diseases. Laboratory periods are also held in judging, caponizing and egg grading. Field trips are arranged when possible.

First term—2 lecs. and 1 lab. per week.

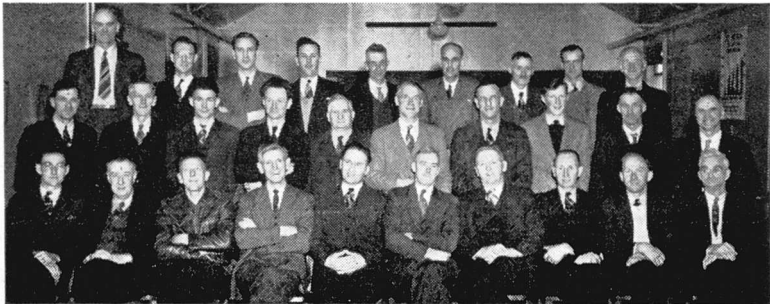
Second term—2 lecs. per week and several concentrated labs. at the end of the term.

## VETERINARY SCIENCE

An elementary knowledge of the commoner diseases of animals and their treatment will help the farmer to rear farm animals successfully and to safeguard them against the attack of disease. Some diseases are preventable. Some may be communicated from one animal to large numbers of others if they are not recognized and controlled in their early stages.

Farm Course students will be taught the function and structure of the animal body—bones, muscles, digestive system, etc., and the prevention and control of animal diseases affecting the body functions.

Second term—1 lec. per week.



*A group of Short Course students*

# ADVANCED FARM COURSE

In farming, as in any other line of activity, the best trained man stands the best chance of making a success of his life's work. For those who intend to farm, the Advanced Farm Course offers a sound preparation for leadership in their respective communities as well as for successful farming.

In addition to what students will learn from the course of formal instruction, the value of the social contacts and participation in the various forms of student activity is beyond question.

Lectures in the Advanced Farm Course will cover a period from October 28, 1959 to May 4, 1960. A diploma will be issued to those who have obtained a satisfactory standing.

## DATE OF APPLICATION

The College reserves the right to refuse all applications after September 15th, 1959.

## ENTRANCE REQUIREMENTS

In addition to satisfying Entrance Requirements as listed for the Farm Class, candidates for enrolment in the six months' Advanced Farm Course must:

- (a) Have successfully completed the Farm Course and have achieved sufficient proficiency in their course to meet with Faculty requirements for admittance to the Advanced Farm Course.
  - (i) Non-graduates of the Farm Course will be admitted only provided that they possess sufficient credits to satisfy Faculty entrance requirements.
- (b) Be in possession of a Nova Scotia Grade X certificate, or its equivalent.
  - (i) In special cases, applications from students who do not possess Grade X certificates, or equivalent, will be considered on their merits.

## EXPENSES

Expenses of students attending the Advanced Farm Course will approximate those for the Farm Class students.

# Description of Courses

The following courses are arranged for the 1959-60 College year. The Faculty reserves the right to make any revisions or additions which may be necessary.

## AGRICULTURAL ENGINEERING

First term

- (a) Farm electricity: Maintenance of and minor repairs to electrical apparatus used on farms, elementary circuits and farm water systems.

2 lecs. and 1 lab. per week.

Second term

- (a) Principles of farm machinery.

2 lecs. and 2 labs. per week.

## AGRONOMY

First term—Elementary Genetics. The modern conception of inheritance, applicable to both plants and animals, including reference to human inheritance.

Second Term—The student will be given an insight into what constitutes suitable varieties of farm crops and what constitutes good seed of such varieties. Sources of seed supply, the value of clean seed and seed cleaning machinery will be discussed. Seed grading regulations and services will round out the course which is designed to present to the student a practical, fundamental knowledge of the importance of good seed in agriculture.

Both terms—2 lecs. and 1 lab. per week.

## ANIMAL HUSBANDRY

Proper feeding and management of livestock are very important in animal production. Accordingly, the compounding of rations, with special reference to their comparative nutritional value, suitability and cost for the different classes of livestock will be studied. Students will become familiar with feeding stuffs used in livestock feeding and will be taught the care, methods of breeding, feeding, and management of all classes of livestock.

Instruction in appraisal of records and policies practiced in developing, improving and marketing the various classes will be emphasized.

Demonstration and practice in connection with the selection and management of cattle, sheep, swine and horses, will occupy an important part of the course during both terms.

Field trips to livestock farms, both purebred and commercial, are

arranged to familiarize students with practical problems common to each. Marketing organizations, feed plants and exhibitions are visited to study their correlations with the best methods of practical farm production.

First term—2 lecs. and 1 lab. per week.

Second term—3 lecs. and 2 labs. per week.

## **BOTANY**

Botany will deal only with a study of yeasts, molds and bacteria, their growth and importance in regard to agriculture. The bacteriology of water, milk, soil and food is taken up in lecture with some consideration given to the disease bacteria. Simple laboratory experiments are carried out in fermentation, staining and counting of bacteria.

This is followed by a study of the common diseases of crop plants and their distribution in the Maritimes. Special emphasis is given to rusts and smuts of cereal crops, potato diseases and various virus diseases. Different types of control measures are discussed and the main fungicides and their use considered.

Both terms—1 lec. and 1 lab. per week.

## **CHEMISTRY**

The student will continue his study of soils and soil management. In addition he will study the composition, conservation and utilization of farm manure, and study value and use of green manure. He will also learn the nature and use of commercial fertilizers and the chemistry of feeding stuffs, insecticides and fungicides.

First term—2 lecs. and 1 lab. per week.

Second term—3 lecs. and 1 lab. per week.

## **ENGLISH**

A continuation of the studies commenced in the Farm Class. Assigned readings in different types of literature. Participation in debates and preparation and delivery of seminar papers.

Both terms—1 lec. per week.

Both terms—1 seminar (1 lab. period) per week.

## **ENTOMOLOGY**

This is an advanced study of insects and their control. Natural control factors and the use of parasites in control work are discussed. Life histories are studied for many of the more common injurious farm pests. Insecticides and chemicals used to control insects are studied and opportunities for projects relating to the control of specific insects,

or various insects affecting the production of farm crops, are also given.

Second term—1 lec. and 1 lab. per week.

### **FARM DAIRYING**

A general course of lectures and practical work dealing with such topics as: the importance of dairying in Nova Scotia; the composition of and causes of variations in milk and cream; the care of milk and cream on the farm; cow testing; regulations; the Babcock method of testing milk and cream; separator operation and its effect on cream tests.

Second term—1 lab. per week.

### **FARM ECONOMICS**

Lectures in the field of Farm Economics will be given during both terms of the course by men who are recognized leaders in co-operation in the Maritimes. Topics covered will include: prices of farm products, marketing, production cycles and organization as related to co-operative marketing.

Also included in the course will be lectures on problems of rural organizations and community development. Social life in rural Communities as a background for economic progress will be another topic of study.

A paper will be required on "My Home Community Organizations" or a student may take part in the National Farm Forum broadcasts and write up not less than three of the discussions.

Both terms— 1 lec. per week.

### **FARM MANAGEMENT**

This is an advanced study of the topics covered in the Farm Course. With that background more emphasis is put on how to study and analyse a farm business; planning a farm budget; reorganization of an established farm. In addition, one method of farm appraising is studied together with field practice.

First term—1 lec. and 2 labs. per week.

Second term— 1 lec. and 1 lab. per week.

### **FORESTRY**

A practical course in farm woodlot management and conservation. Field trips are arranged when feasible.

First term—2 labs. per week.

### **HORTICULTURE**

The purpose of this course is to give in considerable detail the cultural practices with regard to the main vegetable crops grown commercially and in the home gardens of the Maritimes. Opportunity

is given for the examination of typical specimens of varieties discussed and some judging practice is given along with a discussion of grade requirements.

A course in Rural Beautification is designed to be useful in helping farmers make their properties more attractive and valuable through proper arrangement and care of drives, lawns, shrubbery, hedges and trees.

Advanced work in certain phases of plant propagation is also included in the course of studies offered.

Both terms—2 lec. and 1 lab. per week.

### **MATHEMATICS**

A course dealing with the arithmetic of soil fertility, farm manure and commercial fertilizers, farm power and mechanics, concrete construction and graphs.

Both terms—1 lec. per week.

### **POULTRY**

This course will include an advanced study of poultry nutrition, incubation, breeder flock management, breeding and turkey raising. Laboratory periods will be held on judging, caponizing and marketing.

Through this course, the young Maritime farmer will become familiar with the problems of the poultry industry and it is hoped that, through discussion, demonstration and practice, he may be enabled to take the best advantage of the poultry sideline on the farm for profit and for pleasure.

First term—1 lec. and 1 lab. per week.

Second term—1 lec. per week.



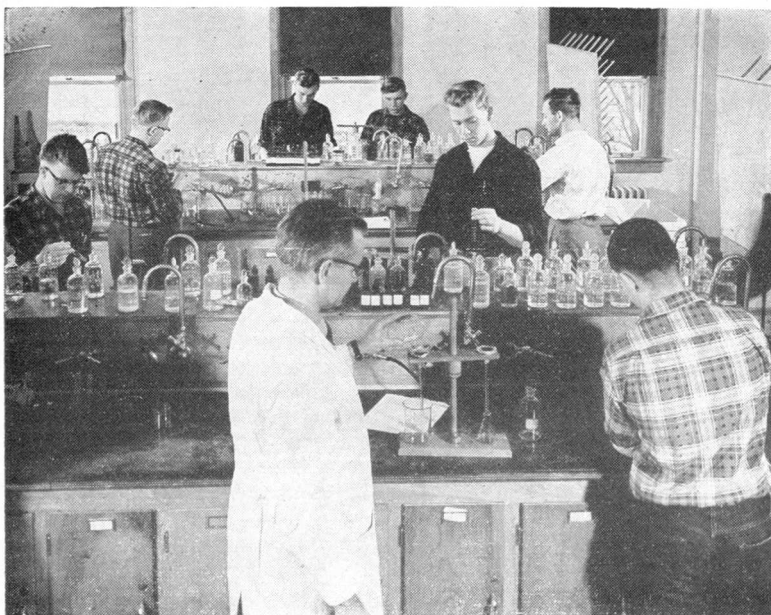
*General View of N. S. A. C.*



## DEGREE COURSE

Students who enroll for the Degree course will complete the first two years of the four-year course at the Nova Scotia Agricultural College. Their third and fourth year studies will be completed at the institutions of their choice from which they will graduate with the degree of Bachelor of Science in Agriculture.

The course of studies is determined largely by the admission requirements of such institutions as Macdonald College and the Ontario Agricultural College. Graduates from Macdonald College receive their degrees from McGill University and those of the Ontario Agricultural College from the University of Toronto.



*Testing hay for nutrient value*

# The College Diploma

Students who complete the prescribed number of courses, with no mark below 50% of the maximum mark obtainable, will be awarded a diploma. The N. S. A. C. Diploma confers upon students the status of "Associate of the Nova Scotia Agricultural College with all the rights and privileges pertaining thereto."

Students who hold this diploma and who have been recommended by the Principal of the Nova Scotia Agricultural College are admitted to the third year of the course leading to the degree of Bachelor of Science in Agriculture at Macdonald College and the Ontario Agricultural College (see below the matriculation requirements of the Ontario Agricultural College).

The Ontario Veterinary College will give consideration to an application for admission to the second year of a student who has attained a high standing in courses in English, Animal Husbandry, Dairy Husbandry, Poultry Husbandry, Physics, Chemistry (including Organic), and Biology at the Nova Scotia Agricultural College, provided that he has been recommended by the Principal of the latter institution (see below the matriculation requirements of the Ontario Veterinary College)

The admission requirement of the Ontario Agricultural College and the Ontario Veterinary College is senior matriculation with acceptable marks in English, Algebra, Trigonometry, Chemistry, Physics, a foreign language, and one of a third mathematical paper, a second foreign language, History, Biology or Geography.

## Entrance Requirements

All candidates for admission to the Degree Course:

- (a) Must be 16 years of age, on or before the opening day of the College year.
- (b) Must be of good moral character.
- (c) Must present a medical certificate dated not more than 30 days previous to registration.
  - (i) If required, students must submit to further medical examination upon request.
- (d) Must have at least one season's farm experience.
  - (i) A certificate of farm experience from the farmer or farmers for whom the applicant has worked must be produced if required by College authorities. The certificate must show the time spent and the nature of the work done.
- (e) Must be in possession of one of the following with no mark in any of the subjects listed below of less than 50 per cent of the maximum mark obtainable.

- (i) Province of Nova Scotia,  
Grade XI Certificate with Mathematics.
- (ii) Province of New Brunswick,  
Junior Matriculation Certificate.
- (iii) Province of Prince Edward Island,  
Second Year Certificate of Prince of Wales College.
- (iv) Newfoundland,  
Junior Matriculation, with Mathematics.
- (v) Other certificates, such as those issued by recognized public examining boards, colleges and universities will be accepted in so far as they meet entrance requirements.

CANDIDATES for admission should note that the following are the desirable subjects for matriculation in agriculture: English, History, Algebra, Geometry, Chemistry, Physics and a foreign language.

Students desiring exemption from any first year class must present evidence of 60% standing in previous work of equivalent grade in High School.

In view of the fact that a student's whole course frequently is ruined by weakness in mathematics, a refresher course in this and possibly in one or two other subjects will be offered for two weeks before the date of College opening and applicants with less than 60% matriculation marks in these subjects will be required to attend. In border-line cases, or instances in which circumstances make this requirement impossible of fulfilment, the final decision as to eligibility for entrance shall rest with the Standards Committee of the Faculty.

### **COURSE STANDARDS**

Final examinations will be given in all courses at the end of each term. Continuous courses will be divided into two sections, one for each term, and students will be required to pass in each section, with the following modifications:

- (a) A first year student who failed to make a pass on the first term's work in any continuous course may have his first and second term marks averaged for the year, provided that his failures do not aggregate a total of twelve credits at mid-year.
- (b) A second year student who fails to make a pass on the first term's work in any course may be allowed to write a supplemental examination not later than thirty days after the publishing of the first term marks provided that his failures do not aggregate a total of ten credits at mid-year.
- (c) First year students who fail in courses aggregating twelve credits or more at the end of the first term shall be required.

to repeat that term's work and to withdraw for that year from the College.

- (d) Second year students who fail in courses aggregating ten credits or more in the first term of the second year shall be required to repeat that term's work and to withdraw for that year from the College.
- (e) At the discretion of the Faculty, a student who is required to withdraw under the conditions stated in (c) and (d) above may apply for registration for the balance of the academic year. If accepted, he shall take such courses as the Faculty may consider wise.

### SUPPLEMENTAL EXAMINATIONS

Supplemental examinations on the first year work are normally held in September, at the beginning of the session. First year failures must be written off at that time since a student in the regular degree course cannot be permitted to carry into his second year more than one failure from his first year. The Supplemental examinations to write off this failure shall be written in January at such a time as will not conflict with the First Term examinations. Should this trial result in failure no further opportunity shall be offered until after the spring examinations of the second year.

Second year students who fail to pass their second year, first term, supplemental examinations, as provided for above, shall have one more opportunity to write off such failures after the close of the College year. The date of this final supplemental shall be the third Monday of the following June. This provision shall also apply for second year students who still carry a failure from their first year's work.

Every student who finds it necessary to write a supplemental examination must conform to the dates given above and must notify the Registrar of the College in writing, enclosing the prescribed fee, at least two weeks before the date of such examinations.

Candidates shall pay in advance a fee of two dollars (\$2.00) for each supplemental examination written.

No student writing a supplemental examination shall be granted a mark in excess of fifty per cent.

Students who have failed in courses aggregating 12 credits or less in one year may write supplemental examinations as provided for above. Students who have failed in courses aggregating in value more than 12 credits shall not be permitted to go on to the next year's work.

**Note:** One lecture period (45 minutes) per week for one term is rated as one credit. One laboratory period (90 minutes) per week for one term is rated as one credit. No student will be allowed to write more than two supplementals in any subject (the work of one term in any

subject) unless special permission is granted by the Faculty.

### REPEATING A YEAR

A student who is allowed to repeat a year may, by special permission of the Faculty, be exempted from attending lectures and passing examinations in one or more subjects in which he has already passed with a mark of 60% or higher. A student repeating the first year's work may be required to take one or more subjects of the second year, in order to lighten the second year's work.

### EXPENSES

The following payments are to be made at time of registration and are payable strictly in advance:

Residents of:

	Canada	United States and Foreign
Tuition (per College year).....	Free	\$50.00
Library.....	1.00	1.00
Students' Council.....	10.00	10.00
Agricola—Students' Year Book.....	3.00	3.00
Medical Services.....	6.00	6.00
Caution Deposit**.....	5.00	5.00
Laboratory Fee*.....	1.00	1.00
	<hr/>	<hr/>
	\$26.00	\$76.00

\***Note:** Laboratory fee for second year students is \$2.00.

The cost of books for a degree course year is approximate \$35.

\*\***Note:** The caution deposit for residents of Trueman House is \$10.00

Provided that no adjustment in the rates proves necessary before registration day, the cost of board and lodging will be \$392. Payments will be made as indicated below:

September 21.....	\$65.
October 26.....	\$65.
November 30.....	\$37.
January opening day.....	\$65.
February 8.....	\$80.
March 21.....	\$80.

**SYLLABUS  
FIRST YEAR DEGREE**

<b>Required</b>	<b>First Term per week</b>		<b>Second Term per Week</b>		<b>Credits</b>
	<b>Lec.</b>	<b>Lab.</b>	<b>Lec.</b>	<b>Lab.</b>	
Botany	2	2	2	2	8
Chemistry (General)	3	2	3	2	10
English	3	1	3	1	8
Mathematics	3		3		6
Physics	3	1	3	1	8
Agronomy	2	1	2		5
Animal Husbandry	2	1	2	1	6
Horticulture	2	1	1		4
Agricultural Engineering		1	2		3
<b>Elective</b>					
Geology	1				(1)
Soils			1		(1)
<b>TOTAL</b>					58 (60)

The laboratory period in English will be used for a public speaking class.

Geology and or Soils may be counted as second year electives.

**SYLLABUS  
SECOND YEAR DEGREE**

<b>Required</b>	<b>First Term per Week</b>		<b>Second Term per Week</b>		<b>Credits</b>
	<b>Lec.</b>	<b>Lab.</b>	<b>Lec.</b>	<b>Lab.</b>	
Chemistry (Organic)	3	2	3	2	10
Economics	3				3
English	2	1	3		6
Mathematics	3		3		6
Physics	3	1	3	1	8
Zoology	2	2	2	2	8
Poultry	2	1			3
Farm Management			1	1	2
Electives to be chosen from the list below,					
Minimum					6
Maximum					9
<b>TOTAL</b>					52 (55)

### Electives

Agricultural Engineering			2	1	3
Animal Husbandry	2	1			3
Apiculture			2		2
Bacteriology			2		2
Botany (Economic)	1	1			2
Dairying			1		1
Radio Farm Forum		1		1	2
Entomology (Economic)	1	1			2
Horticulture	2		2		4
Co-operation			2		2
Veterinary Science			1		1

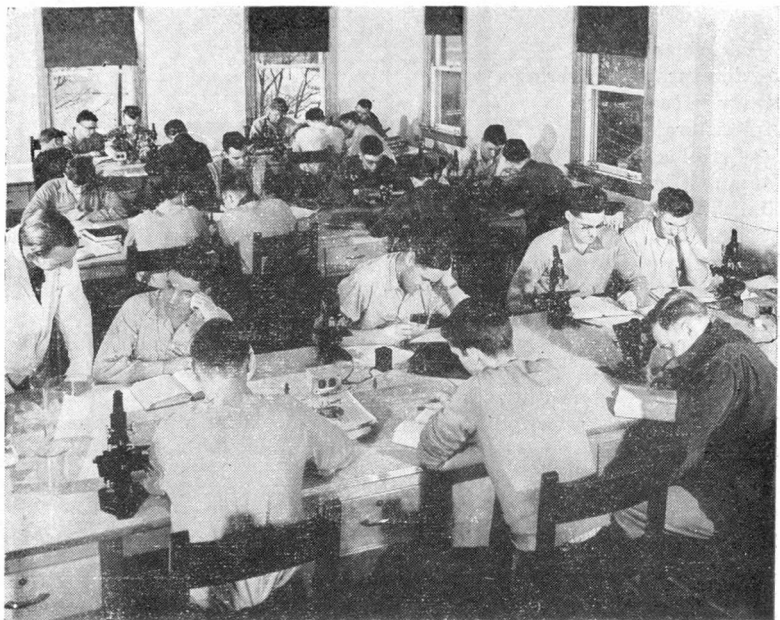
Genetics will be offered if there is a request for it from the students.

The laboratory period in English will be used for a public speaking class.



*A Room in Trueman House*





*There is a Microscope for each student in Biology Laboratory classes.*



*A Cattle Judging Class*



# Description of Courses

The following courses are arranged for the 1959-60 College year. The Faculty reserves the right to make any revisions or additions which may be necessary.

## AGRICULTURAL ENGINEERING

- (a) 1st year, 1st term—  
**Elementary Plan Drawing:** Use of drawing instruments; elementary drawing problems.  
—1 Lab. per week.
- (b) 1st year, 2nd term—  
**Elementary Building Construction:** Planning and remodelling farm buildings.  
—2 Lecs. per week.
- (c) 2nd year, 2nd term—  
**Farm Power and Farm Machinery:** Principles, adjustment, operation and maintenance of gasoline engines and farm machinery.  
—2 lecs. and 1 lab. per week.

## AGRONOMY

**Field Crops:** History; importance; adaptation; fertilization; rotation; study of individual crops grown in the Maritimes

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

2nd term—2 lecs. per week.

## ANIMAL HUSBANDRY

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

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

- (a) **Live Stock—Breeds and Management:** A study of the origin, type and breed characteristics, breeding policies and practices and the care and handling of all classes of live stock: dairy cattle, beef cattle, sheep, swine and horses.
- (b) **Selection and Judging:** Appraising performance records and placings with reasons (both written and oral.) Selection and judging of live stock includes trips to herds of prominent live stock breeders for appraisal of breeding and market classes of cattle, sheep, swine and horses.

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

**Feeds and Feeding:** A study of roughages, succulents, concentrates, minerals, vitamins, etc. and the compounding of rations, value and suitability of different feeds and mixtures for the various classes of live stock.

## APICULTURE

A course in modern beekeeping methods is given, consisting of a study of the life cycle and habits of the bee, methods of securing and handling bees, location of the apiary, swarming and swarm control, requeening, the installation of package bees, increase other than by swarming, honey production and preparation for market, wintering bees and practical features of preparing equipment such as assembling hives, wiring frames, etc.

2nd year, 2nd term—2 lecs. per week.

## BACTERIOLOGY

An introduction course which aims to acquaint the student with the morphology, physiology and methods of reproduction of molds, yeasts and bacteria; the relationship of each to agriculture as well as to disease.

2nd year, 2nd term—2 lecs. per week.

## BOTANY

(a) **Introductory Botany:** The first part covers the structure and physiology of the flowering plant. The seed, root, stem, leaf, flowers and fruit, along with the functions of each of these parts, are studied in detail. An introduction to heredity and genetics is given.

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

(b) **Introductory Botany:** The second part covers the classification of the plant kingdom, using representative plants of the algae, fungi, mosses, ferns and seed plants for laboratory study.

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

(c) **Economic Botany:** A study of the identification and classification of the common plants, weeds and trees. A study of the classification of plant communities and successions. Characteristics of bad weeds, weed distribution, and chem-

ical weed control are taken up as they apply to Maritime conditions.

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

## CHEMISTRY

- (a) **Elementary Chemistry:** A lecture and laboratory course which includes a study of the structure of atoms and the relationship of the periodic table to these structures as well as a study of properties and reactions of the more important elements and compounds. Particular attention is paid to fundamental concepts, theories and laws regarding structure, valence, states of matter, ionization and oxidation-reduction. Weight relationships and practical problems are included in first term work.

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

During the second term, the above principles and their applications are studied more intensely. The gas laws, properties of solutions, solubility product and precipitation are important phases of second term work. An introduction to Qualitative Analysis and Organic Chemistry as prepared for future study is included.

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

- (b) **Geology:** A course to familiarize agricultural students with the nature of the geological deposits and the minerals which form the parent materials of soil in Nova Scotia.

1st year, 1st term—1 lec. per week.

- (c) **Soils:** A study of the characteristics and properties of soils, especially regarding origin and nature of soil parent materials. A course designed to give the student a working knowledge of soil problems with special reference to Maritime conditions.

1st year, 2nd term—1 lec. per week.

- (d) **Organic and Biochemistry:** Preparation and study of the classes of organic substances. Formation of and changes in organic matter in plant and animal life.

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

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

## DAIRYING

A general course consisting of lectures and practical work. Lectures dealing with the development and importance of the dairy industry

in Nova Scotia; the composition of milk and factors affecting its composition; the care of milk and cream on the farm and factors affecting their quality; cow testing as carried on under the R. O. P. and D. H. I. Associations; elementary calculations dealing with milk and milk products and regulations.

Laboratory work consisting of the testing of milk, cream and skimmed milk by the Babcock method. Separators and tests for the quality of milk and cream.

2nd year, 2nd term—1 lec. per week.

## ECONOMICS

(a) **Cooperation:** A course in Cooperation covering principles, history, and marketing, and producers', consumers', and credit cooperatives. Instruction will include lectures by men engaged in cooperative activities in the Maritimes.

2nd year—2nd term—2 lecs. per week.

(b) **Principles of Economics:** A study of the elementary principles of Economics in the effort to present a picture of the main factors influencing our economic organization.

2nd year, 1st term—3 lecs. per week.

## ENGLISH

(a) Assigned readings in the drama, the essay and the novel. A rapid survey of the History of English Literature from the beginning to about 1800. Remedial exercises, outlining and theme writing.

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

(b) Assigned readings in nineteenth century poetry, the short story and the novel. Outlines of Canadian Literature. Term papers.

2nd year, 1st term—2 lecs. per week.

2nd year, 2nd term—3 lecs. per week.

(c) **Public Speaking:** Practice in public speaking and the conduct of a public meeting. Attendance and participation of all first and second year students are required.

1st year, both terms—1 lec. per week.

2nd year, 1st term—1 lec. per week.

## ENTOMOLOGY

**Economic Entomology**—A fundamental course in the study of insects, designed to meet the needs of students who intend to practice farming in the Maritime Provinces. The course deals with structure, growth, distribution and reproduction of insects—life histories and control of the more important soil, field crop, fruit, and household insects and insects affecting livestock, etc. In addition the principles of natural control, applied control and spray calendars, etc., are discussed. A collection of 50 adult insects is required of all students taking this course.

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

## FARM MANAGEMENT

An introductory course on some of the more important aspects of Farm Management. Factors affecting profits; business forms; methods of doing research and extension work in the field.

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

## HORTICULTURE

- (a) **Vegetable Culture:** This course is designed to familiarize the student with the importance of vegetable crop production in Canada and in this province, to give the basis for the various types of production, to outline the cultural program adapted to the various vegetable crops, and, through laboratory work, to show at first hand varieties and types in the crops grown in this Province.

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

- (b) **Plant Propagation:** Discussion of sexual and asexual methods of plant propagation and practice in seeding, layering, division grafting, making cuttings, use of hot beds and cold frames, etc.

1st year, 2nd term—1 lec. per week.

- (c) **Small Fruits Culture:** This course is designed to take up the various practices involved in the culture of the different fruits making up the group usually considered under this classification. Under our conditions, this includes strawberries, blackberries, raspberries, high bush blueberries, low bush blueberries, currants, gooseberries and cranberries.

2nd year, 1st term—2 lecs. per week.

- (d) **Orcharding:** This is a lecture course in which are discussed the various practices carried out in orchard operation. The reasons and bases for these practices are discussed as fully as time permits.

2nd year, 2nd term—2 lecs. per week.

## MATHEMATICS

- (a) **1st Year Mathematics:** An introduction to functions and their graphical representation, solution of equations; logarithms; trigonometric ratios and analysis; sequence and limit; binomial series; compound interest; permutation, combinations and probability.

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

- (b) **2nd Year Mathematics:** Analytical geometry, differential and integral calculus.

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

## PHYSICS

- (a) **1st Year Physics:** A course dealing with basic laws of Mechanics, Molecular Physics and Heat and with familiar applications of these laws. Experimental work and the use of mathematics is emphasized. The course is designed to aid a student to learn to select useful information, to make measurements carefully, to record data clearly, and to discuss results intelligently.

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

- (b) **2nd Year Physics:** The aim of this course is to give all students a thorough understanding of the essential principles of Sound, Light, Electricity and Magnetism. Certain topics will be studied in greater detail, additional references given, and more difficult experiments carried out.

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

## POULTRY

This course will include a general introduction to the fundamental principles of poultry husbandry as well as an advanced study of the practical phases of the industry. Lectures and laboratory periods will include: the history of the industry; culling and selection; anatomy;

diseases; nutrition; brooding and rearing; flock management; incubation; turkey raising; egg and poultry marketing; judging; debeaking and caponizing.

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

### **VETERINARY SCIENCE**

A study of body structures and their functions; disease prevention and animal nursing.

2nd year, 2nd term—1 lec. per week.

### **ZOOLOGY**

An introductory course in general zoology, covering the anatomy, histology, physiology and reproduction of animals. Representatives of the more important phyla of the animal kingdom are studied in the laboratory.

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



*In the Greenhouse*



*Judging Potatoes*



*In the Horticulture Laboratory*



# SCHOLARSHIPS AND 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.

Winner 1958—R. J. Newbery, Clarence, N. S.

## MACDONALD COLLEGE SCHOLARSHIP

MacDonald College offers a scholarship of \$500 to the student of the Nova Scotia Agricultural College who obtains the highest standing in the work of the Second year of the degree course in that College, and who subsequently registers in the Third year at Macdonald College. The scholarship will be paid in two instalments: half at the beginning of the Third year, half at the beginning of the Fourth year.

Winner 1958 —A. S. Elliott, Melvin Square, N. S.

## NOVA SCOTIA DEPARTMENT OF AGRICULTURE AND MARKETING PRIZES

The Nova Scotia Department of Agriculture and Marketing offers prizes in the Second Year Degree and in the Advanced Farm Class for work in the National Radio Farm Forum project.

Prizes will be given as follows:

First, \$5.00; Second, \$3.00; Third, \$2.00; Fourth, \$1.00.

Winners, 1958—1st, D. G. Perrin, Dean, N. S.

2nd, R. J. Newbery, Clarence, N. S.

3rd, J.L. Ruet, Siegas, N. B.

4th, E. S. Jennings, Masstown, N. S.

## 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 during the first year in any two year course. The prizes will be awarded on the closing day at the end of the second year. The \$50.00 will be divided into three prizes of \$25.00, \$15.00 and \$10.00.

- Winners 1958— 1st, P. S. Fanjoy, Saint John, N. B.  
2nd, F. A. Pierce, Lewisville, N. B.  
3rd, J. L. Ruet, Siegas, N. B.

### **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 year of the degree course at the Nova Scotia Agricultural College, and who subsequently registers at any Agricultural or Veterinary degree conferring college in Canada.

Winner 1958—P. S. Fanjoy, Saint John, N. B.

### **PRINCE EDWARD ISLAND DEPT. OF AGRICULTURE PRIZES**

The Prince Edward Island Department of Agriculture offers \$50 for prizes for students from that province who do the best work during the first year in any two-year course, and continue the course for the second year. These prizes will be awarded on Closing Day at the end of the second year. The \$50 will be divided into three prizes of \$25, \$15 and \$10 each.

Winner 1958—1st, G. A. Linkletter, R. R.1, Summerside, P. E. I.

### **THE MARITIME BEEKEEPERS' ASSOCIATION PRIZES**

The Maritime Beekeepers' Association offers a prize of \$10 to the student of the Senior Degree Class who turns in the best paper on Apiculture at the final examination. Other prizes may be awarded for general excellence in Apiculture.

Winners 1958— Second Year Degree

- 1st, G. A. Linkletter, Summerside, P. E. I.  
2nd, D. O. Loomer, Falmouth, N. S.

Farm Class

- 1st, Irvin McCormick, R.R. 1, Springhill, N. S.  
2nd, Darrell Lyle, Central Lot 16, P. E. I.

### **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.

Winner 1958—R. J. Newbery, Clarence, N. S.

## DEBATING TROPHY

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

Winners 1958—Second Year Degree

Donald Drayton, Georgetown, British Guiana  
Glenn Rafuse, Lawrencetown, N. S.

## MURRAY - ARCHIBALD TROPHY

This trophy was originally presented by the late Hon. George H. Murray, for many years Premier of Nova Scotia, to John Geddie Archibald, class of 1913. Mr. Archibald, now 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.

Winner 1958—R. J. Newbery, Clarence, N. S.

## MAPLE LEAF MILLING COMPANY PRIZE

The Cafeteria Feed Division of the Maple Leaf Milling Company has provided a prize of Twenty-five dollars to be awarded to the Advanced Farm student who attains the highest standing in feeds and feeding, (Poultry and Animal Husbandry) over the two years.

Winner 1958—D. G. Perrin, Dean, N. S.

## THE DR. E. S. ARCHIBALD FUND

As a tribute to Dr. E. S. Archibald a fund has been established from which a prize of fifty dollars will be provided each year until the fund is liquidated. The prize will be awarded to the Advanced Farm Class student who has attained the highest standing in Agronomy, Animal Husbandry, Horticulture and Poultry in the work of the two Farm Class years. Dr. Archibald is a member of the first graduating class of the Nova Scotia Agricultural College and a former instructor in the institution. From 1919 until his retirement, in 1950, he was Director of the Dominion Experimental Farms Service.

Winner 1958—R. J. Newbery, Clarence, N. S.

## MARITIME CO-OPERATIVE SERVICES LIMITED SCHOLARSHIP

The Maritime Co-operative Services offer eight scholarships to the amount of fifty (\$50) each, for students attending the Nova Scotia Agricultural College, preferably for the Farm and Advanced Farm Courses. The purpose of these scholarships is to assist in the training of personnel

who will become effective community leaders, and particularly to enable farm boys who may be planning to take positions with co-operative organizations to obtain training in fundamental agricultural subjects, as well as in co-operative principles and methods. Students applying for these scholarships must be sponsored by co-operatives or Farmers' Associations (organizations marketing or handling farm produce, handling consumers' goods, credit unions and like co-operative organizations.)

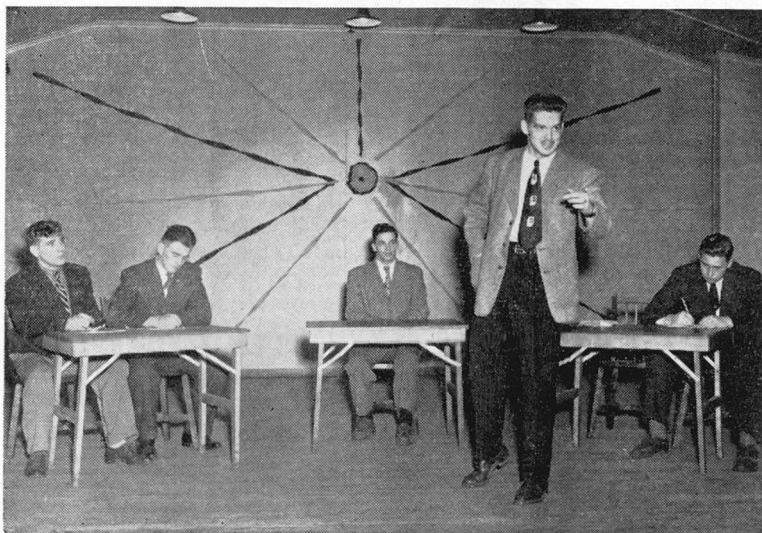
### **NOVA SCOTIA FEDERATION OF AGRICULTURE SCHOLARSHIPS**

Three scholarships of \$100.00 each are available for Nova Scotian students entering the Farm Class. Candidates should apply to their District Federation, which will forward the application to the County Federation. The County Federation will select one application for submission to the Scholarship Selection Committee. The Province is divided into three zones and one scholarship will be awarded in each zone.

The objectives of the scholarship plan are: "to assist boys and girls in Nova Scotia to further their education in Agriculture, and to prepare them for life on the farm and for citizenship in the community; to encourage our farm boys and girls to attend the Nova Scotia Agricultural College so that they can take their place as leaders in our communities, as well as in our farm organizations."

The following were awarded scholarships in 1958-59:

- A. C. Phinney, Paradise, N. S.
- C. W. MacKay, R. R. 1, Stellarton, N. S.
- L. Rovers, Heatherton, N. S.



## **VICTORIA COUNTY FEDERATION OF AGRICULTURE SCHOLARSHIP**

The Victoria County Federation of Agriculture offers a scholarship of \$50 to a student from that county entering the Farm Course at the Nova Scotia Agricultural College. Candidates should make application to the Secretary of the Victoria County Federation.

## **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 the third year of an Animal Husbandry option. The scholarship will be awarded to a worthy student with a satisfactory academic standing. Application for this scholarship should be made to the Registrar of the Nova Scotia Agricultural College before October 15.

Winner 1958 — Donald Martin, River Hebert, N. S.

## **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 X1 and Grade XII (if the applicant has one) certificates should be in the Registrar's office not later than August 15, or as soon thereafter as the examination results are available to the applicant.

Winner 1958 — A. D. MacDonald, Fourchu N. S.

## **CANADA PACKERS, LIMITED, SCHOLARSHIPS**

(1) 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. Application for this scholarship should be made to the Registrar before September 1.

Winner 1958 — J. A. Kiely, South River Station, N. S.

(2) Canada Packers Limited offers a scholarship of \$250 to a worthy student who has satisfactorily completed the two 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 should be made to the Registrar before April 15.

Winner 1958—L. E. Haley, R. R. 1, Windsor, N. S.

In making both of the above awards financial need will be taken into consideration.

### **CANADIAN NATIONAL EXHIBITION SCHOLARSHIPS 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 diploma 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.

The following winners for 1958 registered at the Nova Scotia Agricultural College:

Nova Scotia—

J. R. Longley, R. R. 1, Kingston, N. S.

New Brunswick—

A. D. Steeves, R.R. 1, Penobsquis, N. B.

Application forms may be obtained from the Agricultural Representatives.

## Crests and Awards

All regular students shall be eligible for crests and awards regardless of other honours won. Special or short course students shall not be eligible.

All round qualities of scholarship, deportment and good sportsmanship in college activities shall be considered in reckoning eligibility for awards.

Recommendation for these awards must be made by the faculty member under whose supervision the specific activity is carried on and must be approved by the faculty in regular session.

### THE ACADEMIC AWARD

DEGREE COURSE—The Academic Award shall be available only at the end of the second year and the work of both years shall be taken into account.

FORM OF AWARD—1. A gold seal, marked "High Honours" affixed to the face of the diploma for an over all average throughout the two years of eighty per cent or higher.

2. A blue seal, marked "Honours" similarly affixed for an over all average throughout the two years of seventy-five per cent or higher.

FARM COURSES—For the Advanced Farm Course the same symbols shall be affixed to the face of the certificate for the same achievements over the two years.

### THE LITERARY AWARD

The Literary Award shall be given for excellence in public speaking, glee club, dramatics, college journalism or social activities. It shall be available to students in the second year of the regular courses. The form of the award shall be a gold "L" on a blue background. The award is based on interest and excellence in any of the above noted activities.

### THE ADMINISTRATION AWARD

The administration award shall be given to those students who have satisfactorily administered major student offices.

### THE ATHLETIC AWARD

In order to receive an award in athletics a student must play in at least two more than half the number of games played by the team.  
e.g. Total 6 games—a player must compete in 5.

Total 16 games—a player must compete in 10.

HOCKEY—A player must compete actively at least twenty minutes in each of two more than half the games competed in by his team.



**BASKETBALL**—A player must compete at least twenty minutes of each game in two more than half the games competed in by his team.

A college team must compete in not less than six games during the year if a student is to obtain an award in that sport.

### **THE L. C. HARLOW BASKETBALL TROPHY**

In 1931 the late Professor L. C. Harlow donated a silver trophy for class basketball. It is competed for annually.

### **THE CAMPUS TROPHY**

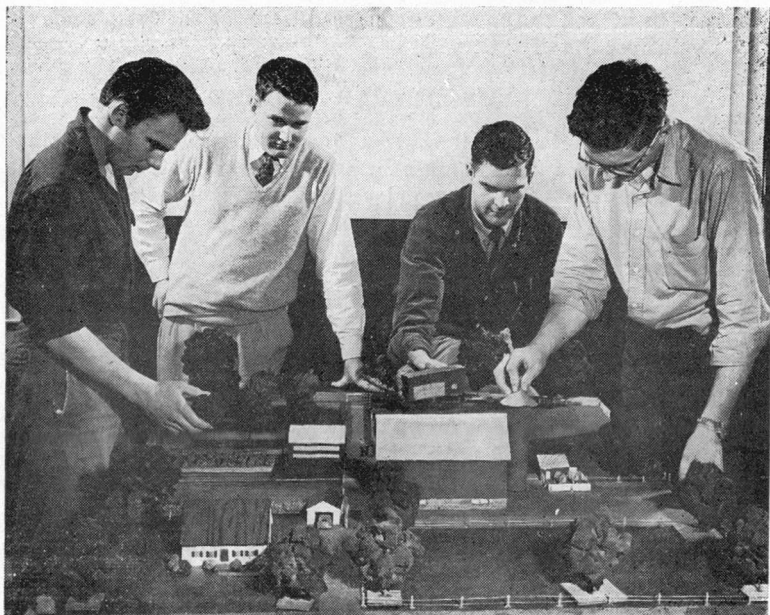
The Campus Trophy, for inter-class volley ball, is competed for annually by teams representing the various classes.

### **THE BOULDEN TROPHY**

A cup, donated by the late C. E. Boulden, is offered for annual competition in inter-class hockey.

### **THE TOTAL AGGREGATE TROPHY**

This trophy is awarded annually to the class having the highest total points in inter-class competition.





# 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 grain and root classes and a series of educational demonstration booths.

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

## WINTER FAIR TROPHIES

Championship Booth—Donated by N. S. Exhibition Association.

Interclass Championship—Donated by Hon. C. H. Chisholm.

Grand Champion Showman—Donated by Hon. A. W. MacKenzie.

Grand Champion Livestock Showman—Donated by Hon. J. A. MacDonald.

Reserve Champion Livestock Showman—Donated by N. S. Livestock Council.

Champion Field Crops Showman—Donated by Kenneth Cox.

Champion Horticulture Showman—Donated by the family of the late F. B. Kinsman.

Champion Poultry Showman—Donated by the late J. P. Landry.

Champion Sheep Showman—Donated by H. K. MacCharles.

Champion Horse Showman—Donated by Dr. M. Cumming.

Champion Swine Showman—Donated by Dr. F. W. Walsh.

Champion Dairy Cattle Showman—Donated by the family of the late Dr. J. M. Trueman.

Champion Beef Cattle Showman—Donated by the family of the late F. L. Fuller.

## Short Course

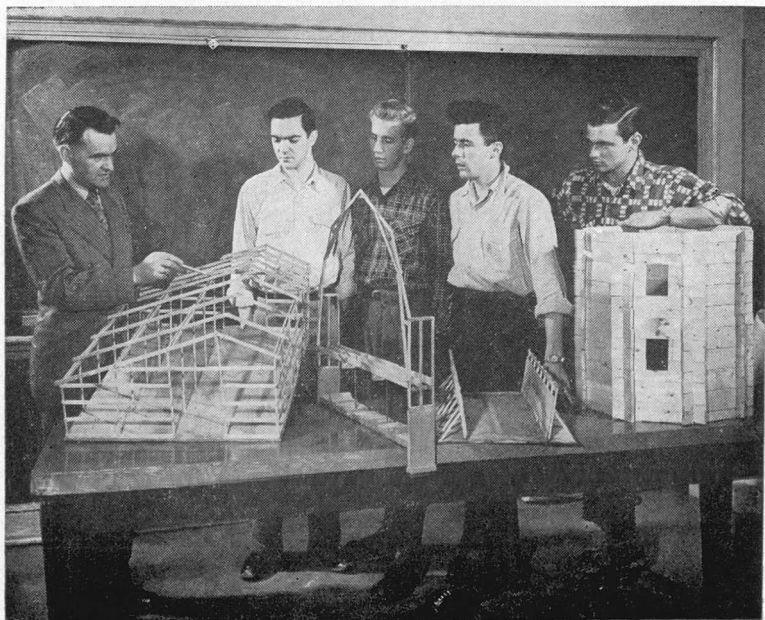
Special announcements will be made for short courses as they are arranged.

For further information write to:

The Registrar,

Nova Scotia Agricultural College,

Truro, N. S.



*A Class in Building Construction*

# ENROLMENT 1958-1959

## SECOND YEAR DEGREE

Abrahams, O. G.	23 Dumbarton Ave., Half-Way-Tree, Jamaica, B. W. I.
Bennett, R. A.	261 South Street, Glace Bay, N. S.
Bentley, A. H.	Berwick, Kings Co, N. S.
Casson, G. M.	18 Muir Street, Truro, N. S.
Chisholm, L. A.	Box 819, 32 Union Street, Pictou, N. S.
Clark, R. N.	Lone Pine Farm, Berwick, N. S.
Cunningham, J. D.	Chebogue, R. R. No. 2, Yarmouth Co., N. S.
Dechman, R. E.	9 May Street, North Sydney, N. S.
Eaton, J. M.	24 Glenview Ave., Kentville, N. S.
Ells, A. D.	Sheffield Mills, Kings Co, N. S.
Grasse, W. E.	R. R. No. 4, Fredericton, N. B.
Gunn, T. C.	R. R. No.1, Tatamagouche, Col. Co., N. S.
Hemphill, R. B.	Debec, N. B.
Herbert, C. W.	Berwick, Kings Co., N. S.
Horner, R. N.	Bathurst, N. B.
Jankov, L. C.	23 College Road, Truro, N. S.
Longley, W. J.	R. R. No. 1, Kingston, Kings Co., N. S.
Lord, R. A.	Rolling Dam, Charlotte Co., N. B.
McAllister, J. T.	Gagetown, N. B.
McCulloch, G. J.	Debert, Col. Co., N. S.
Mangaroo, A. S.	Bog Walk, Jamaica.
Mathurin, D. C. E.	Block 3 F. S., Castries, St. Lucia, B. W. I.
Maynard, E. G.	Ellershous, Hants Co., N. S.
Olmstead, A. F.	Centreville, N. B.
Phillips, W. E.	24 Pictou Road, Truro, N. S.
Ramey, D. A.	R.R. No. 1, Pleasantville, Lun. Co., N. S.
Warwick, S. J. G.	15 Muir Street, Truro, N. S.
Williams, S. A.	Pugwash Junction, N. S.

## FIRST YEAR DEGREE

Allen, A. B.	Arcadia, Yarmouth Co., N. S.
Armstrong, D. M.	Burlington, Kings Co., N. S.
Ashby, T. L.	3200 Goyer Street, Apt. 3, Montreal, Que.
AuCoin, J. T.	Tompkins, Nfld.
Batchilder, P. E.	Georgetown, P. E. I.
Bowlby, D. H.	Aylesford, N. S.
Burgess, P. L.	63 Church Street, Milltown, N. B.
Cameron, A. M.	Sherbrooke, Guys. Co., N. S.















