

The
Nova Scotia
Agricultural College



1953 --- CALENDAR --- 1954

TRURO, Nova Scotia

APPLICATION FOR ADMISSION

NOVA SCOTIA AGRICULTURAL COLLEGE

Date.....

Name in full

Address

Birthday Religious Denomination
Day Month Year

Next of Kin Relationship

Address

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

EDUCATION: Length of Attendance in:

(a) Public Schools....., (b) High School.....

(c) Other Schools, Colleges

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

NOVA SCOTIA AGRICULTURAL COLLEGE

Forty-eighth Annual

CALENDAR

OF THE

Nova Scotia
Agricultural College
TRURO

UNDER

**THE NOVA SCOTIA DEPARTMENT OF AGRICULTURE
AND MARKETING**

1953 — 1954

1953

SEPTEMBER

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1954

JANUARY

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FEBRUARY

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COURSE CALENDAR

Farm Courses

1953

- October 28 — Registration—Farm and Advanced Farm Classes.
October 29 — Lectures begin at 9 a.m.
December — Examination dates to be set.
December 18, 4:30 p.m. — Christmas holidays begin.

1954

- January 5 — Lectures resumed at 9:00 a.m.
January — Examination dates to be set.
January 16 — Last day of first term.
January 18 — Second term lectures begin at 9:00 a.m.
February 27, 12:15 p.m. to March 2, 9:00 a.m. — Mid term long weekend.
April — Examination dates to be set.
April 28 — Graduation exercises.
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Degree Courses and General Agricultural Courses

1953

- September 1 — Refresher course begins at 9:00 a.m.
Sept. 15 & 16 — Supplemental examinations.
September 16 — Registration, Degree Classes and General Agriculture Classes.
September 17 — Lectures begin at 9:00 a.m.
October 31, 12:15 p.m. to November 3, 9:00 a.m. — Mid term, long week end.
December — Examination dates to be set.
December 18, 4:30 p.m. — Christmas holidays begin.

1954

- January 5 — Lectures resumed at 9:00 a.m.
January — First term examination dates to be set.
January 16 — Last day of first term.
January 18 — Second term lectures begin at 9:00 a.m.
February 27, 12:05 p.m. to March 2, 9:00 a.m. — Mid term long weekend.
April — Examination dates to be set.
April 28 — Graduation exercises.

FACULTY OF INSTRUCTION

Principal
KENNETH COX, M.S.A

Agricultural Engineering	D. C. Milligan, B.Sc. (Agr.) C. E. Henry, B.Sc. (Agr.) M. C. MacNevin, B.Sc. (Agr.) G. E. Townsend, B.Sc. (Agr.)
Agronomy	Kenneth Cox, M.S.A. J. E. Shuh, M.Sc.
Animal Husbandry	P. Y. Hamilton, B.Sc. (Agr.) D. M. Adams, B.S.A. J. D. Johnson, B.Sc. (Agr.)
Apiculture	E. A. Karmo, B.Sc. (Agr.)
Botany, Bacteriology	A. E. Roland, Ph.D. G. D. Palfrey, B.Sc. (Agr.)
Chemistry	G. R. Smith, Ph.D. J. E. Milligan, B.Sc. (Agr.) W. M. Langille, M. Sc. J. D. Hilchie, B.Sc. (Agr.) J. R. Booker
Dairying	T. K. Murray, B.S.A.
Economics	James MacNeil, B.Sc. (Agr.) F. E. Scammell, B.Sc. (Agr.)
English	Parker Cox, M.A.
Entomology	M. E. Neary, B.Sc. (Agr.) V. R. Vickery, B.Sc. (Agr.)
Farm Management	W. A. Jenkins, M.Sc. (Agr.)
Horticulture	C. M. Collins, M.S.A. N. V. Jankov A. D. Crowe, M.Sc. G. B. Kinsman, B.Sc. (Agr.) H. A. L. MacLaughlin, M.Sc.
Mathematics, Physics	Roy H. Stevenson, B.A., B.Sc.
Poultry	F. G. Proudfoot, M.Sc. (Agr.)
Veterinary Science	E. E. I. Hancock, D.V.M.

Administrative Officers

Business Manager	R. A. Langille.
Registrar—Dean of Residence	Parker Cox, M.A.
Secretary	Lolita C. Dewar

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 forty-eight 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.

It is expected that all instruction will be given at the College at Bible Hill, a suburb of Truro. A modern science building, now under construction, will replace the building destroyed by fire, in 1946, and other additions and alterations are planned. When the building program is completed, the College will have better facilities than at any other time in its history.

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 General Agriculture Course.
- (d) A two-year Degree Course.
- (e) Agricultural Short Courses.

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 1953-54 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 467.

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 Church of England
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.



SCIENCE BUILDING
NOVA SCOTIA AGRICULTURAL COLLEGE TRURO, N.S.

Shown above is the architect's perspective of the new Science Building, presently under construction on the campus. This building will be ready for use by students this year.

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. Unauthorized absences immediately before and after scheduled and statutory holidays will be considered double absences.

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

Students must not destroy or deface 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.

CAUTION DEPOSIT

Every student, at time of registration, must make a cash deposit of \$5.00 with the Registrar to cover fines, breakages, 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 one month 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.

TRAINING GRANTS

The Department of Veterans' Affairs has authority to provide assistance in the form of training grants and fees, together with appropriate allowances for dependents, to a discharged person entering the courses in Agriculture. A veteran desiring particulars regarding these grants should write to the Superintendent of Educational Training, Department of Veterans' Affairs, Ottawa, or consult the local branch officer of the Department of Veterans' Affairs.

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 each 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

A Students' Debating Society meets one evening each week and all students are required to participate. 'Kindly criticism' is provided by members of the Faculty and extremely valuable training in public speaking is thus obtained.

When possible, debates are also arranged with neighboring educational institutions.

LIBRARY

The library and reading room are centrally located in the temporary College 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 student's Glee Club has been organized and has already won recognition in choral work. Students who have vocal talent are invited to participate.

ATHLETICS

The Nova Scotia Agricultural College has regular membership in the Maritime Intercollegiate Athletic Union. This enables College athletic teams to participate in Maritime intercollegiate competition. College teams also participate in local league games.

Supervised athletics are carried on in various sports including: basketball, hockey, rugby, badminton, volley ball, etc. Students also have an opportunity to participate in boxing, wrestling, tumbling.

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) Special students are not eligible to play in intercollegiate competition other than in exhibition games.
- (b) No student who has failed in more than three credits will be allowed to play on more than one team representing the College.
- (c) No student who has more than two failures will be allowed to play on any team representing the College.

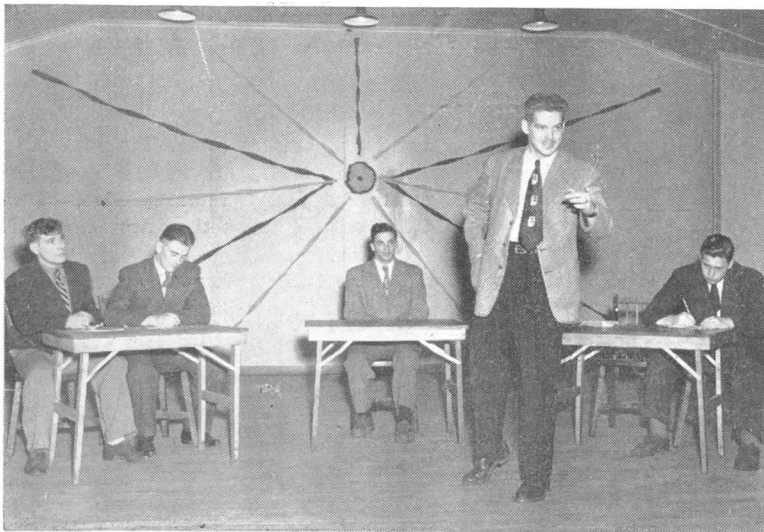
All teams or groups that go to any other community or institution to participate in athletic or other activities must be accompanied by a member of the College staff.

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.



Public Speaking

Instruction in public speaking and debating is given to all classes attending the Nova Scotia Agricultural College.

FARM COURSE

This five 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 28, 1953, to April 28, 1954 inclusive, thus permitting the student to spend the whole crop season on the farm and to keep in active touch with the farm operations.

At the completion of the course, all students will be classified A, B and C according to their standing in each subject. Such classification will be based on the work done during the year, including certain tests.

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 enrollment in the Advanced Farm Course.

DATE OF APPLICATION

The College reserves the right to refuse all applications after September 15th, 1953.

FINANCIAL ASSISTANCE

Financial assistance for Farm Class students to the extent of fifty cents per day has been provided for several years 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 five 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.

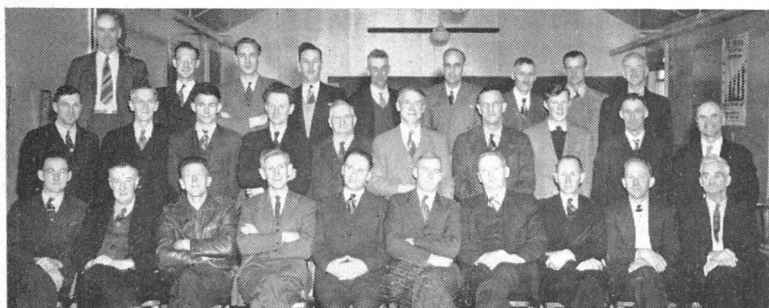
- (d) Must satisfy the College authorities that they possess such a knowledge of the English language as will enable them to profit by the attendance at lectures;
- (e) Must have spent at least one year or its equivalent at work on a farm, and must have a practical knowledge of ordinary farm operations such as harnessing and driving horses, plowing, harrowing, drilling, milking, etc.
 - (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:

	Canada	Residents of: 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	2.00	2.00
Caution Deposit	5.00	5.00
Medical Services	6.00	6.00
	\$22.00	\$72.00

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



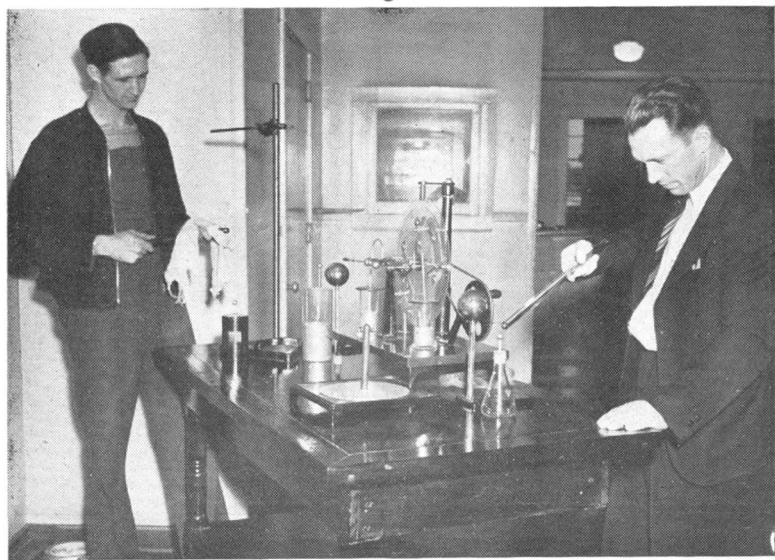
Men's Short Course

Shown above are a group of Colchester County farmers who attended a recent two-day Agricultural Short Course at the NSAC and at which a wide variety of topics were studied and discussed.



Botany

Field trips in Botany are part of the regular curriculum of classes enrolled at the N.S.A.C.



A Lesson in Physics

Shown above are two students studying a principle in Physics.

Description of Courses

The following courses are arranged for the 1953-54 College year. The Faculty reserves the right to make any revisions and additions which may be necessary.

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, planning the organization of a farm business.

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

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.

The course in crops is especially designed to cover such topics as the History, Importance, Adaptation, Rotation and Value of the principal farm crops grown in the Maritime Provinces. The improvement and care of hay and pasture crops is given special attention. In addition students touch on plant nutrition, crop fertilization, and compare the value of home versus factory mixing of fertilizer.

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 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.

AGRICULTURAL ENGINEERING

The aim of this course is to give well rounded-out practical instruction in the various forms of farm engineering. Modern farming depends so much on machinery and equipment that every farmer, to

some extent, must be a mechanic. This course gives practical work and study in certain activities in which the farmer usually engages and which he cannot perform efficiently without some training.

The course consists of laboratory and lecture periods dealing with such subjects as Farm Drainage, Farm Building Design, Construction and Repair, Manual Training and Shop Work.

HORTICULTURE

The course in Horticulture covers instruction in Small Fruits, Plant Propagation and Practical Orchardring. 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 Orchardring 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.

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.

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.

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.

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.

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.

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 being pests of many stored farm products. Many of our more 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, as well as how to recognize and control the more common farm pests.

BOTANY

The study of plants, in the Farm Course, deals with the identification of weeds, weed seeds and trees found in the Maritimes. Specimens will be present so that permanent collections can be mounted and kept by each student for future reference.

Weed control and the succession of plants in pastures and woodlands are considered, along with aspects of conservation.

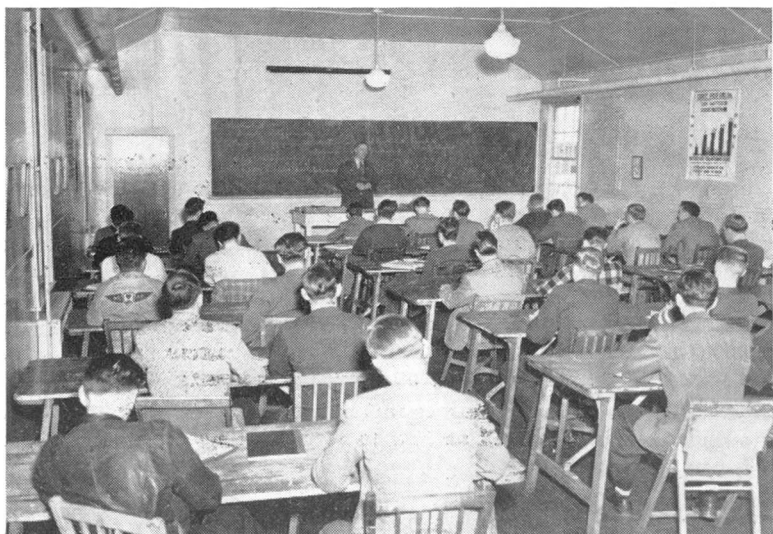
Elementary microscopic work will be included with the above to illustrate the simpler types of plants, and the structure and growth of the leaf, stem, root, flower and seed.

ENGLISH

This course is intended to teach the student to write and speak good English and to take an interest in reading good literature. Classes will be given in composition, correspondence and the conduct of public meetings. Practice will be afforded in theme writing and the preparation and delivery of addresses, all on a practical every day level. An introduction to the common types of literature will be given and novels will be assigned for reading during the year.

MATHEMATICS

A review of elementary arithmetic; decimals, percentages, ratio and proportion, mensuration, and the standardization of dairy products.



Agronomy

Agronomy, the science of field crop production, is one of the important courses taught to all classes. Shown above is a class attending a lecture in Agronomy.

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, 1953, to April 28, 1954. At the completion of the course, all students will be classified A, B and C according to their standing in each subject. Such classification will be based on the work done during the year, including certain tests. 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, 1953.

ENTRANCE REQUIREMENTS

In addition to satisfying Entrance Requirements as listed on pages 11 and 12, candidates for enrolment in the five months' Advanced Farm Course must also have successfully completed:

- (a) 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 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 the Courses

The following courses are arranged for the 1953-54 College year. The Faculty reserves the right to make any revisions or additions which may be necessary.

APICULTURE

Apiculture in the Advanced Farm Course is a continuation of the course in beekeeping studied in the Farm Course. Students who are particularly interested in the industry are assigned projects best suited to their needs plus more or less individual attention in connection with their work. Special attention will be given to colony manipulation and the preparation of honey for market.

BOTANY

Botany, in the Advanced Farm course, 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.

CHEMISTRY

Under 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.

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.

ENGLISH

Classes in English will be a continuation of the studies commenced in the Farm Course. In addition to grammar and composition, the student will be given opportunity for practice in public discussions, and debate, in order that he may be qualified to occupy executive positions in rural organizations.

English Literature will be studied and an effort will be made to interest the student in good plays and good books.

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.

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.

AGRONOMY

Through the medium of lectures in Field Husbandry, the student will be instructed in varieties of seed suitable for Maritime conditions and what constitutes good seed of such varieties. He will become acquainted with sources of supply, will be taught the value of clean seed and instructed in the use of seed-cleaning machinery. Lectures on grading regulations and services, seed production, seed identification, and practical instruction in seed judging, will round out the course which is designed to present to the student a practical, fundamental knowledge of the importance of good seed in Maritime agriculture.

AGRICULTURAL ENGINEERING

Farm Mechanics is one of the most important courses for students who intend to farm. In this subject, instruction is given in surveying, drainage and the design of drainage systems. A study of fundamentals of farm machinery, practical work in farm gasoline power plants, elementary work in blacksmithing and welding, and repair of farm machinery are among the topics which will be taught during both terms of the course.

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 courses of studies offered.

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.

ANIMAL HUSBANDRY

Proper feeding and management of livestock is 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 records and policies practiced in developing, improving and marketing the various types 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.

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.

VETERINARY SCIENCE

The course of instruction in Veterinary Science deals with Reproduction, Periods of Gestation in domestic animals together with the care and management of the pregnant animal in relation to disease control.

Consideration will also be given to the prevention and control of common farm animal diseases. Lectures on Sanitation will also form a part of the course which is made as practical as possible in order that students may put into practice on their own farms many of the principles taught in the Veterinary Science lectures.

MATHEMATICS

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



Basketball

Basketball is one of the many sports in which students attending the Nova Scotia Agricultural College are encouraged to participate.

GENERAL AGRICULTURE COURSE

Starting in the 1953-54 academic year, a two year course to be known as General Agriculture will be offered. It is hoped that this course will fill a definite need. It is also expected that the training given will prove useful in other fields which are associated with agriculture. The academic level will be close to that of the Degree Classes, but the aim of the Course will be to emphasize the more practical aspects of agriculture.

The General Agriculture Course will start at the same time as the Degree Course. Some lectures will be taken with the Degree Classes and some will be taken separately. Special arrangements will be made for extra General Agriculture laboratory periods.

The usual academic requirement for admission to the General Agriculture Course will be Grade XI or its equivalent. Applications from students with less than full Grade XI standing will be considered on their individual merits. Applicants should be 16 years of age, of good moral character and in good physical condition, and should have had at least one year's experience on the farm.

The College diploma will be granted to those students who have successfully completed the General Agriculture Course.

The fees will be the same as for the Degree Course.

A detailed outline of the work to be covered in each subject will be contained in a supplement to be issued later.



Line-up for Meals

Meals at the Nova Scotia Agricultural College are served at the College Cafeteria.

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.

Each student must state, in his application, at which institution he intends to complete his course in order that timetable arrangements may be made to meet the requirements of these institutions.



Chemistry

The chemistry of soils is one of the many interesting subjects taught at the College. Considerable emphasis is placed upon the importance of chemistry for, throughout the application of this subject, it is possible for farmers to so handle and manage their soils that economic crop reproduction is possible.

The College Diploma

Students who complete the course in a manner satisfactory to the faculty—using 40 in each subject and an average of 50 as a standard—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.”

This Diploma indicates that the holder possesses the academic standing necessary to enter upon third year studies at Macdonald College and, with certain adjustments, at the Ontario Agricultural College. (See entrance requirements of Ontario Agricultural College).



Horticulture

Lessons in Horticulture involve a variety of subjects, including instruction in greenhouse operation. Here is a class learning the correct method of potting plants.

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 satisfy educational entrance requirements by presenting one of the following.
 - (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.

N.B. The Ontario Agricultural College now requires senior matriculation for admission to its courses. Candidates who look forward to completing their course at that institution should, therefore, possess a Grade XII certificate.

Applicants are to note that they must possess a pass in Mathematics. They are to note, further, that while the Nova Scotia Agricultural College does not require languages, the finishing institutions require matriculation in one other language besides English. Students should be in possession of this credit before entrance on third year studies.

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 im-

possible 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, students who are required to withdraw under the conditions stated in (c) and (d) above may apply for registration for the balance of the academic year as special students. They shall be granted such credits and required to 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 examination to write off this failure shall be written on the second Saturday after College reopens in January. 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 (1:30 hours) 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.

Class standing at the end of each term will be reported by divisions as follows:

75 % or over	A Division	50 % to 59 %	C. Division
60 % to 74 %	B Division	40 % to 49 %	Pass
		Under 40 %	Failure

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. In the case of a student repeating the first year's work, he 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:

	Canada	Residents of: United States and Foreign
Tuition (per College year)	Free	\$50.00
Library	1.00	1.00
Student's Council	10.00	10.00
Agricola—Students' Year Book	2.00	2.00
Medical Services	6.00	6.00
Caution Deposit	5.00	5.00
Laboratory Fee *	1.00	1.00
	\$25.00	\$75.00

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

The cost of books for a degree course year is approximately \$35.00.

**SYLLABUS
FIRST YEAR DEGREE**

Required	First Term per Week		Second Term per Week		Credits
	Lec.	Lab.	Lec.	Lab.	
Potany	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
Elective					
Geology	1				(1)
Soils			1		(1)
TOTAL					58 (60)

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



Farm Mechanics

Farm Class students studying Farm Mechanics learn by doing. Shown above are students learning how to repair harness.

SYLLABUS

SECOND YEAR DEGREE

Required	First Term per Week		Second Term per Week		Credits
	Lec.	Lab.	Lec.	Lab.	
Chemistry (Organic)	3	2	3	2	10
Economics	3				3
English	3	1	2		6
Mathematics	3		3		6
Physics	3	1	3	1	8
Zoology	2	2	2	2	8
Poultry	2	1			3
Electives to be chosen from the list below,					
Minimum					8
Maximum					11
TOTAL					52 (55)
Electives					
Agricultural Engineering			2	1	3
Agronomy			1	1	2
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
Farm Management	1	1			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.

Description of Courses

The following courses are arranged for the 1953-54 College year. The Faculty reserves the right to make any revisions or additions which may be necessary.

Second Year Degree Students in 1953-54 will find the outline given below correct in all details except the years and terms indicated. For this information should refer to the 1952-53 Calendar.

AGRICULTURAL ENGINEERING

- (a) **Elementary Building Construction:** Planning of farmstead homes; other farm buildings; remodelling buildings.
1st yr. 2nd term—2 lecs. per week.
- (b) **Elementary Plan Drawing:** Use of drawing instruments; Elementary drawing problems.
1st yr. 1st term—1 lab. per week.
- (c) **Farm Shop and Farm Machinery Work:** Farm Machinery adjustment and maintenance; principles, adjustment and maintenance of gasoline motors.
2nd yr. 2nd term—1 lec. and 1 lab. per week.
- (d) **Farm Machinery, Tools and Appliances:** The construction, adjustment and lubrication of implements, tools, etc.
2nd yr. 2nd term—1 lec. per week.

AGRONOMY

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

1st yr. 1st term—2 lecs. and 1 lab. per week.

2nd term—2 lecs. per week.

Seeds: A study of suitable varieties and what constitutes good seed of these varieties: Grading regulations and services. Canada Seeds Act. Canada Grain Act. Seed identification and seed judging.

2nd yr. 2nd term—1 lec. and 1 lab. per week.

ANIMAL HUSBANDRY

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 and Beef Cattle, Horses, Sheep and Swine.

1st yr. 1st term—2 lecs. per week.

2nd yr. 1st term—2 lecs. per week.

Selection and Judging. Placing with reasons (both written and oral). Judging live stock includes trips to herds of prominent live stock breeders.

Breeding and market classes of cattle, sheep, swine and horses.

1st yr. 1st term—1 lab. per week.

2nd yr. 1st term—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.

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

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 yr. 2nd term—2 lecs. per week.

BACTERIOLOGY

An introductory 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 yr. 2nd term—2 lecs. per week—one term.

BOTANY

Introductory Botany. A general course covering the fundamentals of plant structure, growth, reproduction and classification, using representative groups of the plant kingdom for laboratory study.

1st yr. both terms—2 lecs. and 2 labs. per week.

Economic Botany A study of the common plants, along with identification and control of weeds, etc. Each student must bring to the class a collection of weeds and weed seeds. These should be collected during the holiday period between the first and second year, and must be pressed and mounted according to instructions which will be given in class. This work must be completed before credit will be given for the course.

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

CHEMISTRY

Elementary Chemistry. A lecture and laboratory course which includes a study of the periodic table, and the properties and reactions of a number of the more important elements and their compounds. An introduction is also made to the fundamental laws and theories of valence, states of matter, atomic and molecular structure, ionization, oxidation, reduction, etc. Some time is also spent on Qualitative analysis and Organic Chemistry as an introduction to second year work.

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

Geology. A course to familiarize agricultural students with the nature of the geological deposits and the minerals which form the parent materials of soils in Nova Scotia.

1st yr., 1st term—1 lec. per week.

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.

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 yr. 2nd term—1 lec. per week.

ECONOMICS

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

2nd yr. 2nd term—2 lecs. per week.

NATIONAL FARM RADIO FORUM

The requirements for this course are that each student attend at least seventeen of the twenty broadcasts, act as a discussion leader for at least one evening and take an active part in any related work as allocated by the Instructor.

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 yr. 1st term—3 lecs. per week.

ENGLISH

FIRST YEAR DEGREE

(a) **Class Reading:**

Shakespeare: Hamlet, King Lear, Macbeth.

1st term—1 lec. per week.

English Essays: Earlier and modern.

2nd term—1 lec. per week.

(b) **Composition:**

Outlining and theme writing. Weekly themes required.

1st and 2nd terms—1 lec. per week.

(c) **History of Literature:**

A rapid survey of the History of English Literature from the beginning to about 1800.

1st and 2nd terms—1 lec. per week.

(d) **Outside Reading:**

Novels selected from an assigned list.

SECOND YEAR DEGREE

(a) **Class Reading:**

Nineteenth Century Poetry.

1st term—1 lec. per week.

The Short Story. Assigned Reading in American Literature.

2nd term—1 lec. per week.

(b) **Composition:**

Types of prose writing with illustrative themes.

1st term—1 lec. per week.

(c) **History of Literature:**

English - from the Romantic Revival on.

American and Canadian outlines.

Both terms—1 lec. per week.

Public Speaking:

The work under this heading is done chiefly in the Students' Debating Society. Attendance and participation of all first and second year students are required.

1st yr. both terms—1 lab. per week.

2nd yr. 1st term—1 lab. 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, fieldcrop, 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 yr. 2nd 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 this field.

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

HORTICULTURE

Vegetable Crops. The lecture periods in this course take up the culture of specific vegetable crops, covering the field of those vegetables grown for commercial or garden use in Eastern Canada. The laboratory periods take up in more detail the discussion and examination of types and varieties, judging work with the more common vegetables in order to fix these types in the student's mind. In addition the student will be given opportunity to become familiar with seeds of different varieties of vegetables.

1st yr. 1st term—2 lecs. and 1 lab. per week.

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 yr. 2nd term—1 lec. per week.

Small Fruits Culture. Discussion of the various factors entering into the establishment of small fruit plantings and the cultivation, pruning, harvesting and marketing of the various small fruits of importance in Eastern Canada.

2nd yr. 1st term—2 lecs. per week.

Practical Orcharding. This course attempts to cover, from a project standpoint, the different operations from the establishment of an orchard, through pruning, fertilizing, cultivation, spraying, thinning, harvesting, grading and marketing, etc.

2nd yr. 2nd term—2 lecs. per week.

Forestry Instruction in care and management of the farm woodlot and methods of reforestation.

2nd yr. 2nd term—Time to be arranged.

MATHEMATICS

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 yr. both terms—3 lecs. per week.

2nd Year Mathematics:

Analytical geometry, differential and integral calculus.

2nd yr. both terms - 3 lecs. per week.

PHYSICS

1st Year Physics:

A course dealing with basic laws in 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 yr. both terms - 3 lecs. and 1 lab per week.

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. yr. both terms - 3 lecs. and 1 lab. per week.

POULTRY

A general introductory course on Poultry Husbandry, Lectures will include The History of the Industry, Culling and Selection, Anatomy and Diseases, Nutrition, Brooding and Rearing, Flock Management and Incubation.

2nd yr. 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 yr. 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 yr. both terms—2 lecs. and 2 labs. per week.

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.

MACDONALD COLLEGE SCHOLARSHIP

The Macdonald College scholarship was first offered for annual competition in 1930. This scholarship, consisting of free tuition for two years at Macdonald College is awarded to the student who attains the highest standing in the work of the second year of the degree course and who continues his studies at that College.

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.

NOVA SCOTIA DEPARTMENT OF AGRICULTURE AND MARKETING PRIZES

The Nova Scotia Department of Agriculture and Marketing offers prizes in the Second Year Degree and General Agriculture Classes 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

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.

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; for the second best paper, a volume of "ABC & XYZ of Bee Culture" is given.

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.

MAPLE LEAF MILLING COMPANY PRIZE

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.

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.

SWIFT CANADIAN CO. LTD. ESSAY CONTEST

The Swift Canadian Co. Ltd. offers an all expense trip to the Royal Winter Fair in Toronto to the Degree Course student who submits the best essay on any aspect of the method used by the meat packing industry in marketing beef, pork, lamb, veal, dairy and poultry products from the time the product leaves the producer until it reaches the retailer. The essay should not, if possible, be over 1500 words, but it should treat the subject adequately. The essay should be completed before the opening of College in the year in which the student is competing. Further details may be obtained from the Registrar.

Winner, 1952-53—G. W. Freeman, R.R. 1, Amherst, N. S.

KETCHUM MANUFACTURING COMPANY LIMITED, SCHOLARSHIP

A scholarship of \$50.00, gift of the Ketchum Manufacturing Company, Limited, Ottawa, will be available in the session 1953-54 for a student in the Department of Animal Husbandry. The award will be

made to a worthy student who has satisfactory academic standing. Further details may be obtained from the Registrar.

Co-winners, 1952-53—V. G. MacKay, R.R. 2, New Glasgow, N. S.

R. F. Welton, R.R. 6, Kingston, N. S.

MARITIME CO-OPERATIVE SERVICES LIMITED SCHOLARSHIPS

The Maritime Co-operative Services have, for three years, offered 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).

The following were awarded scholarships in 1952-'53:

J. H. Kuiawa, R.R. 1, Thomson Sta., N. S.

A. G. MacFadden, North Sydney, N. S.

C. R. Schofield, R.R. 2, Moncton, N. B.

NOVA SCOTIA FARMERS' ASSOCIATION SCHOLARSHIPS

Three scholarships of a value of \$100 each are available for Nova Scotia students entering the Farm Class. Candidates should apply to their District Farmers' Association, which will forward the application to the County Association. The County Association 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 1952-'53:

P. K. Baird, Central Onslow, N. S.

V. J. Rice, R.R. 3, Bridgetown, N. S.



The Glee Club

The College Glee Club has always been an active student organization. Each year, it sponsors one or more programs of entertainment.



Women's Short Course

From time to time during the year, numerous short courses are held at the Nova Scotia Agricultural College. Shown above are some of those attending the Women's Short Course receiving instruction in sewing machine adjustment.

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. No student having less than ten A's in each year shall be eligible.

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 ten A's per year.

GENERAL AGRICULTURE COURSE—For the General Agriculture Course the same symbols shall be affixed to the face of the certificate for the same achievements over the two years.

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.

ATHLETIC AWARDS

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.

RUGBY—A player must compete thirty minutes of each game in 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.

BOXING—Students who represent the College in Maritime intercollegiate tournaments shall be eligible for awards.

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. Rugby will be an exception owing to the lateness of the Agricultural College opening. In this case four games shall constitute the required number.

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 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.



Entomology

The importance of keeping insects under control is a subject which receives considerable emphasis. Here students are shown classifying insect families.

The College Winter Fair

During each College year, just prior to the graduation of the Farm Classes, 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

The Grand Challenge Shield, donated by the Honourable A. W. Mackenzie, Minister of Agriculture, will be awarded to the student who wins the highest total score for all classes.

There are silver trophies awarded for the champion fitter and exhibitor in the different classes. These are as follows:

WINTER FAIR TROPHIES

- | | |
|--------------|--|
| Dairy Cattle | —*The Dr. John M. Trueman Trophy. |
| Beef Cattle | —**The F. L. Fuller Trophy. |
| Horses | —The Dr. M. Cumming Trophy. |
| Sheep | —The H. K. MacCharles Trophy. |
| Swine | —The F. W. Walsh Trophy. |
| Poultry | —The J. P. Landry Trophy. |
| Seeds | —The Kenneth Cox Trophy awarded for the best preparation of seed for exhibition. |

*Donated in memory of a former Principal, the late Dr. J. M. Trueman, by Mrs. Trueman and their two sons, Howard and Albert.

**Donated by Mrs. Fuller and family in memory of the late Fred L. Fuller, first superintendent of the College Farm and for many years Superintendent of Exhibitions and Agricultural Societies, and secretary of the Maritime Stock Breeders' Association and the Maritime Winter Fair.

Short Courses

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.



Agricultural Engineering

All classes attending the College take classes in Agricultural Engineering and, among other things, learn to use tools and work with wood.

ENROLMENT — 1953 - 1954

NOVA SCOTIA AGRICULTURAL COLLEGE, TRURO NOVA SCOTIA

SECOND YEAR DEGREE

Blades, A. H., Shubenacadie, RR 2, N. S.	Johnson, A. G., New Glasgow, RR 3, N. S.
Burke, K. W., Britannia Bay, RR 1, Ontario.	MacNaught, J., Andover, N. B.
Eaton, G. W., Upper Canard, Kings Co., N. S.	McMahon, R. L., Aylesford, Kings Co., N. S.
Ells, G. S., Sheffield Mills, Kings Co., N. S.	Miller, D. R., Truro, N. S.
Freeman, G. W., Amherst, RR 1, N. S.	Musial, P. R., New Waterford, N. S.
Haines, E. R., Bars Corner, Lunenburg Co., N. S.	Sponagle, R. E., Avonport, Kings Co., N. S.
	Trenholm, F. L., Grand Pre, Kings Co., N. S.

FIRST YEAR DEGREE

Blacklock, R. G., Little Shamogue, Westmorland Co., N. B.	Fowler, K. C., Walton, Hants Co., N. S.
Brown, E. A., Granville Ferry, RR 2, Annapolis Co., N. S.	Gray, R. D., Port Wallis, Halifax Co., N. S.
Clarke, D. G., Old Barns, Colchester Co., N. S.	Lane, G. D., Little Shemogue, Westmorland Co., N. B.
Colpitts, R. M., Salisbury, Westmorland Co., N. B.	Lawrence, W. E. N., Prince Williams, RR 2, York Co., N. B.
Colpitts, R. V., 11 Halls St., Moncton, N. B.	MacEachern, G. A., Bonshaw, RR 1, Prince Edward Island.
Conley, D. R., 87 Dominion St., Truro, N. S.	McCully, V. A., Debert, Colchester Co., N. S.
Cook, S. A., Central Chebogue, Yarmouth Co., N. S.	McInnes, D. P., Pictou, RR 2, Nova Scotia.
Cox, H. C., 89 King Street, Truro, N. S.	McKay, R. H., Nappan Station, Cumberland Co., N. S.
Dawkins, R. A., 70 Oxford Street, Kingston, Jamaica, B. W. I.	MacLean, D. P., Margaretsville, Annapolis Co., N. S.

Murray, V. R.,
Scotsburn,
Pictou Co., N. S.

Piers, D. C. S.,
Truro, N. S.

Porter, D. E.,
Masstown,
Colchester Co., N. S.

Putnam, L. A.,
Belmont, RR 1,
Colchester Co., N. S.

Rainforth, J. R.,
Berwick, N. S.
Sutherland, V. W.,
Truro, N. S.
Veino, G. R.,
Hantsport, N. S.

ADVANCED FARM CLASS

Aitchison, J. W.,
Tatamagouche, RR 2,
Nova Scotia.

Daniels, D. W.,
Windsor, RR 1,
Nova Scotia.

Dunphy, Gordon M.,
Durham Bridge, RR 2,
York Co., N. B.

Ells, L. B.,
Centerville, RR 1,
Kings Co., N. S.

MacFadden, A. G.,
Box 316,
North Sydney, N. S.,

McLearn, S. J.,
Mt. Uniacke, RR 1,
Hants Co., N. S.

Schaad, G. W.,
Canning,
Kings Co., N. S.

Swan, G. I.
Debert, RR 2,
Colchester Co., N. S.

Tupper, E. E.,
Shubenacadie, RR 3,
Colchester Co., N. S.

Yeaton, L. R.,
Hantsport,
Hants Co., N. S.

FARM CLASS

Baird, P. K.,
Truro, RR 5, N. S.

Clarke, H. Y.,
Burtts Corner,
York Co., N. B.

Comeau, J. E.
Little Brook Station,
Digby Co., N. S.

Eaton, F. S.,
Lower Canard,
Kings Co., N. S.

Hoare, S. C.,
Truro, RR 2,
Nova Scotia.

Kuiawa, J. H.,
Thomson Sta., RR 1,
Cumberland Co., N. S.

MacLean, R. T.,
New Glasgow, RR 2,
Nova Scotia.

McClare, E. L.,
Mt. Uniacke, RR 1,
Hants Co., N. S.

Meek, E. A.,
Canning,
Kings Co., N. S.

Parks, R. L.,
Noel,
Hants Co., N. S.

Rice, V. J.,
Bridgetown, RR 3,
Annapolis Co., N. S.

Schofield, C. R.,
Moncton, RR 2,
New Brunswick.

Searle, R. A.,
Centre Napan,
Northumberland Co., N. B.

Sparkes, Thomas,
Shearstown,
Newfoundland.

Tilley, R. C.,
Robinson's,
Newfoundland.

Toner, B. J.,
Grand Falls,
New Brunswick.

Williams, E. L.,
Goulds (West),
Newfoundland.

