

Vernon Kelly N.S.A.C.

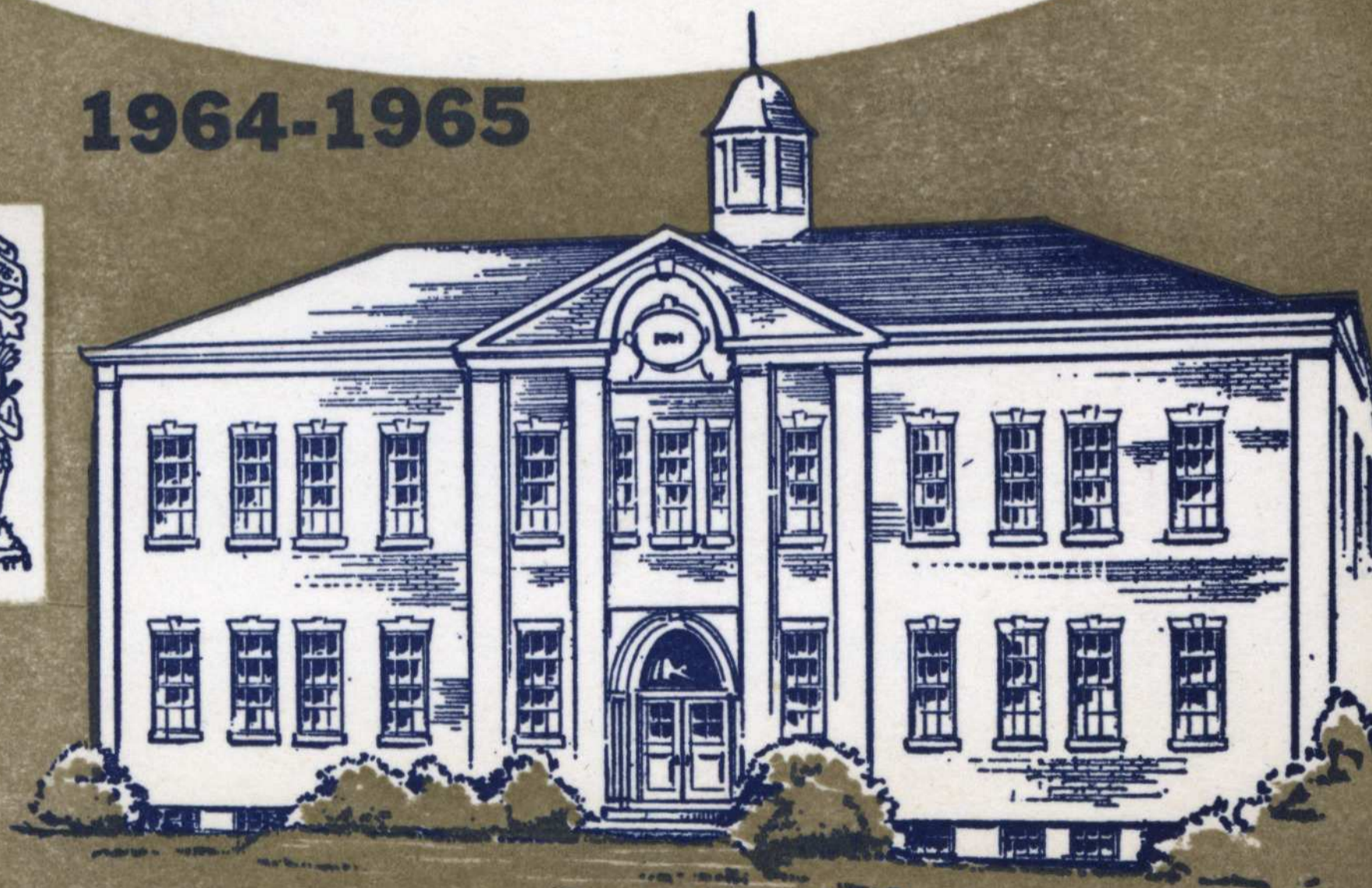
The
Nova Scotia

*Agricultural
College*

TRURO, NOVA SCOTIA

CALENDAR

1964-1965



Fifty-Ninth Annual

CALENDAR

OF THE

Nova Scotia

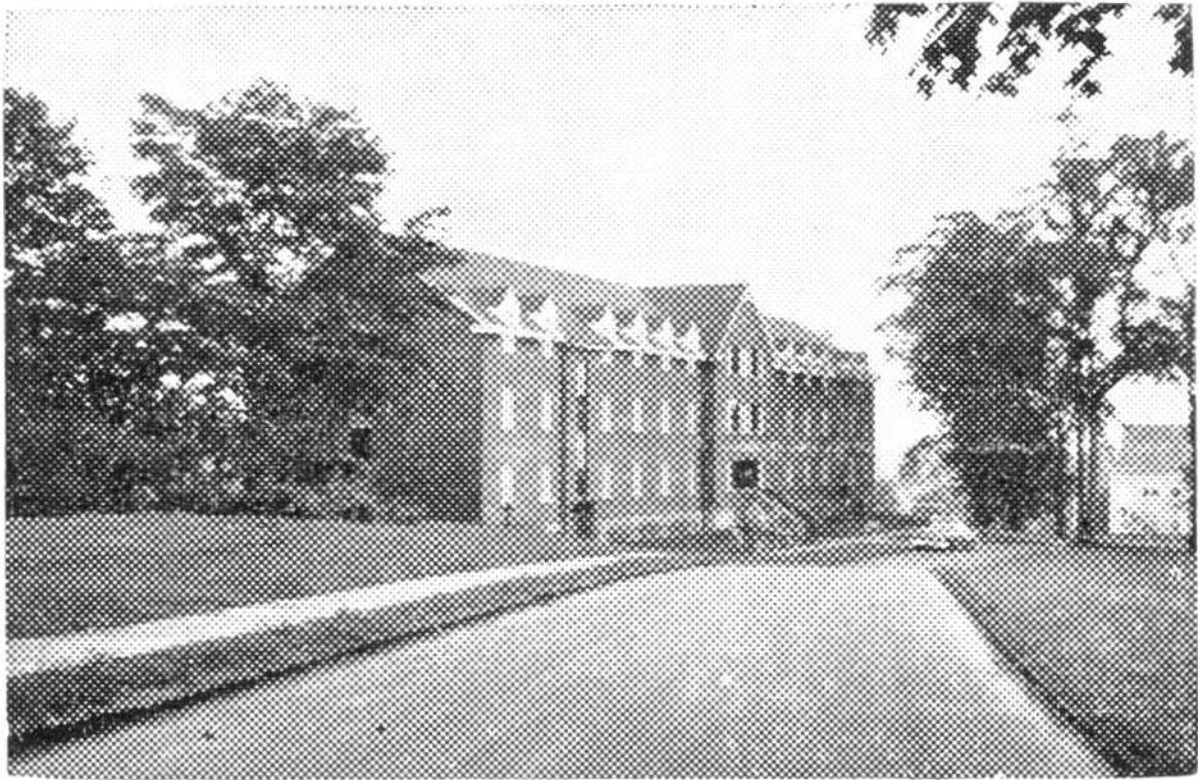
Agricultural College

TRURO

UNDER

The Nova Scotia Department
of Agriculture and Marketing

1964 - 1965



Trueman House

1964

SEPTEMBER

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1965

JANUARY

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31						

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JUNE

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COURSE CALENDAR

Diploma Course

1964

October 13	*Registration, 10:30 a.m.-11:30 a.m. and 2 p.m.-4 p.m.
October 14	Senior Class lectures begin at 8:30 a.m. Junior Class orientation day
October 15	Junior Class lectures begin at 8:30 a.m.
December 18	First term ends at 12:00 noon.

1965

January 4	Second term lectures begin at 8:30 a.m.
April 26-May 1	Final Examinations
May 5	Graduation exercises

Degree Course

1964

September 14-22	*Refresher Course in Mathematics.
September 22-23	*Supplemental examinations
September 23	*Registration, 9:30 a.m.-11:30 a.m. and 2 p.m.-5 p.m.
September 24	Lectures begin at 8:30 a.m.
September 24-26	Orientation period for first year students
December 14-18	First term examinations

1965

January 4	Second term lectures begin at 8:30 a.m.
April 26-May 1	Final examinations
May 5	Graduation exercises.

*Trueman House will be open as follows :

- for Refresher Course students, after dinner on September 13;
- for Degree Course students who have to write a supplemental examination, after dinner on September 21;
- for all other Degree Course students, after dinner on September 22
- for Diploma Course students, after dinner on October 12.

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

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

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

FACULTY OF INSTRUCTION

Principal

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

Vice-Principal

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

Director of Diploma Course

S. L. CURTIS, B.S.A. (Toronto), M.Sc. (Massachusetts), Ph.D.
(Minnesota)

Agricultural Engineering

D. C. MILLIGAN, B.Sc. (Agr.) (McGill)

Professor

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

Associate Professor

Agronomy

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

Director of Agronomy Services

Lecturer

J. F. MAHONEY, B.Sc. (Agr.) (McGill), M.S.A. (Toronto)

Lecturer

Animal Husbandry

S. L. CURTIS, B.S.A. (Toronto), M.Sc. (Massachusetts), Ph.D.
(Minnesota)

Professor

E. G. MAYNARD, B.S.A. (Toronto)

Lecturer

Apiculture

E. A. KARMO, B.Sc. (Tartu)

Lecturer

Botany-Bacteriology

A. E. ROLAND, B.A. (Acadia), M.A. (Toronto), Ph.D. (Wisconsin)

Professor

G. D. PALFREY, B.Sc. (Agr.) (McGill)

Lecturer

Chemistry

G. R. SMITH, B.Sc., M.Sc. (Dalhousie), Ph.D. (McGill)

Professor

W. M. LANGILLE, B.Sc. (Acadia), M.Sc. (McGill)

Associate Professor

J. E. MILLIGAN, B.Sc. (Agr.) (McGill)

Lecturer

Dairying

J. F. LORD

Lecturer

Economics—Farm Management

W. V. GRANT, B.Sc. (Agr.) (McGill), M.Sc. (Connecticut)

Director of Extension

Services, Lecturer

D. M. BYERS, B.Sc. (McGill)


Lecturer

English

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

Professor

Entomology—Zoology

 M. E. NEARY, B.Sc. (Agr.) (McGill)

Professor

Horticulture

G. B. KINSMAN, B.Sc. (Agr.) (McGill), M.Sc. (New Hampshire)

Director of Horticulture and Biology Services

Lecturer

H. A. L. MACLAUGHLIN, B.Sc. (Agr.) (McGill), M.Sc. (Cornell)

Lecturer

N. V. JANKOV

Lecturer

R. S. MORTON, B.Sc. (Agr.) (McGill)

Lecturer

R. A. MURRAY, B.Sc. (Agr.) (McGill)

Lecturer

Mathematics and Physics

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

Professor

Poultry

D. R. MACDONALD, B.Sc. (Agr.) (McGill)

Lecturer

S. F. ALLABY, B.Sc. (Agr.) (McGill)

Lecturer

Veterinary Science

A. R. MAIN, D.V.M. (Ontario Veterinary College)

Lecturer

Administrative Officers

R. F. MCEWAN—*Business Manager*

PARKER COX, M.A.—*Registrar*

ISABEL DAVIDSON—*Secretary*

I. M. FRASER, B.Sc.—*Librarian*

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 sixty 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) The first two years leading to a degree in Agriculture.
- (b) A two year diploma course.
- (c) 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 various courses arranged for the 1964-65 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 893-4467.

Railways:

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

Highways:

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

Bus Lines:

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

Banks:

The following chartered banks have branches in Truro:

The Bank of Nova Scotia
The Canadian Imperial Bank of Commerce
The Royal Bank of Canada
The Bank of Montreal

Churches:

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

Protestant—

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

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.

Rules and Regulations

GENERAL REGULATIONS

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

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

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

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

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

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

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

Every student is expected to show, both within and without the college, such respect for order, morality and the rights of others, and such sense of personal honour as is demanded of good citizens and gentlemen. Students found guilty of immoral, dishonest or improper conduct, intemperance, violation of rules, or failure to make satisfactory progress, shall be liable to college discipline including: suspension from classes or residence, disqualification from competing for honours or prizes, or withdrawal from the College.

Intoxicating liquors are strictly prohibited on College property.

All forms of initiation and hazing are forbidden.

RESIDENCE REGULATIONS

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

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

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

Students will be required to provide their own 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.

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

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

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

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

CAUTION DEPOSIT

Every student, at time of registration, must make a cash deposit of \$10.00 (\$5.00 for those who do not live or get their meals in Trueman House) with the Registrar to cover breakage. As soon as any student's deposit is exhausted, he or she will be required to make an additional deposit of the same amount.

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

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

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

MEDICAL EXAMINATION

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

CONTAGIOUS OR INFECTIVE DISEASES

Students on holiday, or accepted candidates for admission, who become subject to an attack of any contagious or infective 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 fees of \$6.00 per year charged each student at registration provides for him free doctor's attendance during the college year. It does not provide for drugs, hospitalization, or operations requiring hospital care. None the less, sympathetic consideration is given such cases in the light of their need and the state of the fund.

RAILROAD FARES REFUNDED

Students from the Province of New Brunswick taking any two-year course will have one return railroad fare refunded to them each year by the New Brunswick Department of Agriculture. Such refund will be made at the close of the second term, provided that they have passed the requirements for the year.

STUDENT GOVERNMENT

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

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

SOCIAL

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

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

DEBATING SOCIETY

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

LIBRARY

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

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

MUSIC

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

GLEE CLUB

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

ATHLETICS

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

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

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

OUTSIDE SPORTS

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

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

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

ATHLETICS TROPHIES

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.

Diploma Course

The Nova Scotia Agricultural College offers a course in practical agriculture designed to help prepare prospective farmers for life on the farm and for citizenship in the community. The course, which begins on the Tuesday following Thanksgiving Day and continues until about May 1, is of two academic years in duration and leads to a diploma, recipients of which become "Associates of the Nova Scotia Agricultural College."

OBJECTIVES OF THE DIPLOMA COURSE

- (a) To foster and develop in the student a genuine interest in agriculture as a profession.
- (b) To provide complete and up-to-date information on all aspects of farming.
- (c) To stimulate and broaden such interest to the fullest extent through development of the student's ability, imagination and personality.
- (d) To instill in the student a pride in his chosen vocation and to foster a co-operative spirit in his association with others.
- (e) To present in a definite manner the problems confronting agriculture and the methods by which such problems may best be resolved on an individual or a collective basis.
- (f) To provide, through the medium of course material, a correlation between the various phases of agricultural research and its practical application to the problems of a region or of an individual farm.
- (g) To impress upon the student a realization that education must be a continuing process, and that as a farmer he must devote time and effort to keeping abreast with the rapid changes in agricultural technology.
- (h) To provide, through effective leadership, training of a type which will inspire confidence and thus assist in the preparation of the graduate for a role of maximum effectiveness in community life.

The College reserves the right to refuse all applications received after September 15, 1964.

FINANCIAL ASSISTANCE

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

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

PROVINCE OF NOVA SCOTIA BURSARIES

The Province of Nova Scotia provides a bursary of \$100.00 for each Nova Scotian registered in either year of the Diploma Course. Half the bursary will be allotted for the payment of the tuition fee and the balance, one half at the time of registration and one half after the Christmas recess, will be credited to the board and lodging account of the recipient.

MARITIME CO-OPERATIVE SERVICES LTD. BURSARIES

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

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

Applications should be sent to Maritime Co-operative Services Limited, Box 750, Moncton, N. B., not later than October 1st.

NOVA SCOTIA FEDERATION OF AGRICULTURE SCHOLARSHIP

The Nova Scotia Federation of Agriculture offers a scholarship of \$100 to a student entering the Diploma Course. Candidates should apply before October 1 to the Secretary of their District Federation.

ENTRANCE REQUIREMENTS

1. All candidates for admission to the Diploma Course:
 - (a) Must be sixteen years of age on or before opening day of the College year. In the event that there are more applicants than can be accommodated, preference will, in general, be given to the older students.
 - (b) Must be of good moral character.
 - (c) Must present a medical certificate dated not more than thirty days previous to registration. If required, students must submit to further medical examination upon request.
 - (d) Must satisfy the College authorities that they possess such a command of both verbal and written English as to enable them to understand fully the course material provided, this section referring in particular to students whose primary language is not English.
 - (e) Must have spent at least one cropping season working on a farm, and must have a practical knowledge of ordinary farm operations. The College authorities may require a certificate of farm experience from the farmer-employer, setting out the time spent and the nature of the work done by the applicant. The College, when requested, will assist in finding suitable employment to qualify under this section. The season spent working on a farm may be before College entrance or between the first and second year.
 - (f) Must pay in advance all necessary fees and required deposits.
 - (g) Should possess a Nova Scotia Grade X Certificate, or equivalent. Students possessing less than these standards may be considered and accepted for entrance, but only after careful investigation of all other aspects of their qualifications.
2.
 - (a) Regardless of an applicant's possessing all of the above requirements, each applicant will be carefully screened to ensure that only those possessing the necessary aptitudes and enthusiasm for the course will be accepted.
 - (b) Candidates for enrollment in the second year of the Diploma Course must have completed the first year and attained the required pass standards.
 - (c) Candidates with sufficient credits from another course in this or some other institution will be considered for admission to the second year.

COURSE STANDARDS

In continuous courses a final examination based on the year's work will be written in April. In term courses examinations will be written at the end of the term. Tests, approximately one each month, will be written in all subjects. Instructors will allow not less than 30 per cent and not more than 50 per cent of the final mark in a subject for tests and other term assignments. A student who has made a mark of not less than 40 per cent of the maximum mark obtainable and an average of at least 50 per cent in all subjects of both years will be awarded a diploma.

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

SCHEDULE OF PAYMENTS

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

*Tuition.....	\$50.00
Library.....	\$ 1.00
Students' Council.....	\$23.00
Medical Services.....	\$ 6.00
**Caution Deposit.....	\$10.00
Books (estimated).....	\$25.00

*Nova Scotians—See Province of Nova Scotia Bursaries.

**Students who neither live nor get their meals in Trueman House will pay a caution deposit of \$5.00.

Provided that no adjustment in rate is necessary before the time of registration, Nova Scotians will make the following board payments. (The bursary provided by the Province of Nova Scotia and the financial assistance provided under the youth training plan have been taken into consideration in determining these amounts):

October 13.....	\$35.00
January 4.....	\$40.00
February 8.....	\$40.00

Applicants from other provinces will make the following board payments. (If the Province concerned provides any financial assistance, the rates of payments will be adjusted accordingly):

October 13.....	\$130.00
January 4.....	\$ 65.00
February 8.....	\$ 90.00
March 29.....	\$ 70.00

All board and lodging payments must be paid in full before a student will be permitted to write any examinations.

DESCRIPTION OF COURSES

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

AGRONOMY-SOILS

- (a) **Elementary Chemistry:** This course is designed to give the students sufficient knowledge of elementary chemistry to better understand their studies of soils, soil management, nutrition and other subjects in which this fundamental information is necessary.
1st year, 1st term—2 lecs. and 1 lab. per week.
- (b) **Introduction to Soils:** This course is designed to give information that will enable an understanding of the fundamental principles of agricultural soils, including a study of the physical, biological, and chemical properties of soils. Soil formation and classification are studied.
1st year, 1st term—1 lec. per week.
- (c) **An Introduction to Field Crops:** This will include early crop history, classification of field crops, crop adaptation, germination and growth, crop rotations. Laboratory classes will be on the identification of grass and legumes by vegetative characters.
1st year, 1st term—1 lec. and 1 lab. per week.
- (d) **Soil Fertility and Management:** This includes principles and practices of liming; soil nitrogen; phosphorus and potash; fertilizer chemicals; value, conservation and use of farm manures; minor elements; crop rotations and soil fertility; soil erosion and its control; rehabilitation of reclaimed marshland; value and use of soil survey reports.
1st year, 2nd term—2 lecs. and 1 lab. per week.
- (e) **Field Crop Production:** This will include selection; seeding; fertilization; insect and disease control; harvesting, management and storage of common field crops, such as pasture, silage, hay, cereals, potatoes, and roots.
1st year, 2nd term—2 lecs. and 1 lab. per week.
- (f) **Advanced Field Crops:** Cereal crops, potatoes, corn, root crops, seed selection and legislation, and genetics.
2nd year, 1st term—2 lecs. and 1 lab. per week.
2nd term—3 lecs. and 1 lab. per week.
- (g) **Agricultural Chemistry:** This will include a study of the following: the chemical and physical properties of HARD and

SOFT water; farm water supply; combustion and combustion products; spontaneous combustion; chemical fire extinguishers; chemical processes of silage making; feed analysis—chemical properties of proteins, fats, CHO; the chemistry of concrete and mortar; and chemical properties of paints, wood preservatives, disinfectants, etc.

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

2nd term—1 lec. and 1 lab. per week.

ANIMAL-POULTRY HUSBANDRY

The production of livestock and poultry is given by different classes of animals throughout two years. Each section includes management, breeding, disease control, and product marketing for that class of animal. Nutrition of poultry and other livestock is given in separate sections of the course. The course is made of the following sections and sequence.

- (a) Poultry breeds, brooding, rearing and management; dairy cattle production and marketing; livestock feeds and feeding.
1st year, both terms—4 lecs. and 2 labs. per week.
- (b) Beef cattle production; swine production; production of ducks, turkeys, and geese; poultry nutrition; sheep production.
2nd year, both terms—4 lecs. and 2 labs. per week.

ENGLISH

- (a) Reading assignments to encourage an interest in literature and to develop comprehension. Exercises in spelling, use of words, composition, and correspondence. The conduct of public meetings.
Both years—2 lecs. per week.
- (b) The preparation and presentation of papers in seminars, Topics to be assigned by Instructors in each of the other fields of study and to be evaluated one-half for content and one-half for presentation.
Both years—1 lab. per week.

FARM BUSINESS

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

- (a) **Farm Management:** Organization and operation of a farm business, decision making, problems of management, and farm records and accounts.
1st year, both terms—2 lecs. and 2 labs. per week.
- (b) **Mathematics:**
1st year, both terms—2 lecs. per week.
- (c) **Farm Management:** Agricultural industry, farm planning, labour efficiency, legal aspects of farming, and a project.
2nd year, both terms—2 lecs. and 2 labs. per week.
- (d) **Canadian Agricultural Policy and Farm Organizations:** Definition of farm policy, federal government policy, provincial government policy, and farm organizations.
2nd year, 1st term—time to be announced.
- (e) **Agricultural Marketing:** Nature and importance of marketing, market prices, types of markets, marketing costs and margins, and a project.
2nd year, 1st term—2 lecs. Time to be announced.

FARM MECHANICS

- (a) **Land Drainage and Development:** Simple surveying, levelling, surface drainage, underdrainage, building dams, farm ponds, using explosives, soil erosion, clearing land, fencing and gates.
1st year—2 lecs. per week both terms; 1 full afternoon lab. per week part of the year.
- (b) **Farm Buildings and Equipment:** Planning and environmental conditions, building materials, designing for loads, types of structure, dairy, beef, hog, sheep, poultry, feed and machinery storage, housing and remodelling, calculating costs, water supply, sewerage disposal systems and barn automation. Use of drawing instruments and elementary plan drawing. Project of drawing one building and figuring a bill of materials for same.
1st year—2 lecs. per week both terms; 1 full afternoon lab. per week for part of the year.
- (c) **Farm Machinery and Farm Power:** Principles, adjustment, operation and maintenance of gasoline engines and farm machinery.
2nd year, 1st term—2 lecs. and 1 full afternoon lab. per week.

- (d) **Farm Shopwork:** Selecting and maintaining equipment, cold metal work, hot metal work, electric welding, gas welding, soldering, and home plumbing.
2nd year, 1st term—2 lecs. (grouped together) per week; either lab. or lecs. or both.
- (e) **Rural Electrification:** Elementary theory of electricity and wiring practices Principle of operation and maintenance of electric appliances used for light, heat and power on the farm.
2nd year, 2nd term—2 lecs. and 1 half afternoon lab. per week (lab. part time).
- (f) **Farm Shopwork:** Continuation of first term course. The course ends with a sizable project (which is practical in the instructor's opinion), in either woodworking, metal working or a combination of both.
2nd year, 2nd term—2 lecs. (grouped together) and 1 half afternoon lab. per week, plus an additional one-half afternoon per week (part-time).

HORTICULTURE

- (a) **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.
1st year, 1st term—2 lecs. 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, both terms—1 lab. per week.
- (c) **Orcharding:** This is a lecture course in which are discussed the various practices carried out in orchard operation. The reasons and basis for these practices are discussed as fully as time permits.
1st year, 2nd term—2 lecs. per week.
- (d) **Entomology:** An elementary course stressing structure, growth, reproduction, distribution and other factors involved in a study of economic entomology. The relation between structure, function and control is emphasized.
1st year, 1st term—2 lecs. per week.

- (e) **Botany:** The structure and growth of root, stem, leaf, flower and seed are studied with elementary microscope work. Functions of the various plant organs are studied. Classification of the plant kingdom is outlined and the students work with the identification of weeds, weed seeds, trees and shrubs found in the Maritime Provinces.
1st year, both terms—1 lab. per week.
- (f) **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, honey production and preparation for market, disease control and the preparation of colonies for winter.
1st year, 2nd term—2 lecs. per week.
- (g) **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 culture program adapted to the various vegetable crops, and, through laboratory work, to show at first hand varieties and types in the crops grown in this Province.
2nd year, 1st term—2 lecs. and 1 lab. per week.
- (h) **Landscaping:** Lectures dealing with rural beautification as a basis for having more attractive and conveniently planned farmsteads and other community areas. Laboratory work consists of survey methods of the previously mentioned areas as well as drafting of landscape plans.
2nd year, 2nd term—2 lecs. and 1 lab. per week.
- (i) **Entomology:** This course deals with the economic aspects of entomology with special reference to the Maritime Provinces. Considerable emphasis is placed on both chemical and biological control. Students study and learn to recognize many common agricultural pests through the laboratory portion of the course.
2nd year, both terms—2 lecs. per week.
- (j) **Weed Control:** Including cultural and chemical methods of control. Weeds are considered as associated with agricultural crops and attention is given to spray equipment, its construction and operation.
2nd year, 1st term—2 lecs. per week.

- (k) **Plant Diseases:** A study of the common diseases of crop plants and their distribution in the Maritimes. Special attention is given to rusts, smuts, diseases of fruits, potatoes and other vegetables. Newer fungicides and their application are studied.
2nd year, 2nd term—2 lecs. per week.
- (l) **Forestry:** A concentrated, week-long practical course in farm woodlot management and conservation.
2nd year, 1st term—Time to be arranged.

Degree Course

The Nova Scotia Agricultural College offers the first two years of a course leading to a degree in Agriculture. Since most of the graduates of this institution elect to take their third and fourth years at Macdonald College (McGill University) or the Ontario Agricultural College (University of Toronto), the course of studies is so adjusted as to make possible entrance into the third year of those institutions.

Students expecting to seek entrance to the third year at the latter institution must elect certain optional subjects while here and be prepared to take Biochemistry as an extra subject in their third year.

Graduates with high standing are considered for admission to the second year of the Ontario Veterinary College. A student who enters the Nova Scotia Agricultural College with the intention of preparing for the Ontario Veterinary College is advised to take the full program of the year in which he is registered.

Students who intend to take their third and fourth years at the Ontario Agricultural College should obtain Nova Scotia Grade XII standing, or its equivalent, in English, Algebra, Trigonometry, Chemistry, Physics, a foreign language and one other subject.

THE COLLEGE DIPLOMA

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

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

ENTRANCE REQUIREMENTS

All candidates for admission must:

- (a) be sixteen years of age, on or before the opening day of the College year;
- (b) be of good moral character;
- (c) present a satisfactory medical certificate dated no more than 30 days previous to registration;
- (d) present a certificate of junior matriculation standard
(Nova Scotia—Grade XI,
New Brunswick—Grade XII,
Prince Edward Island—Grade XII or second year Prince
of Wales College,
Newfoundland—Grade XI)

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

- (a) English (two papers), Algebra and Geometry;
- (b) two of Chemistry, Physics or Biology;
- (c) two of History, Economics or a foreign language.

For the 1965-66 and subsequent academic years, matriculation in a foreign language, preferably French or German, will be required.

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

Farm experience is desirable for all applicants and is a requirement for some third and fourth year options.

In view of the fact that a student's whole course frequently is ruined by weakness in Algebra, a refresher course in this subject will be offered for two weeks before the date of the College opening and applicants with less than 60 percent in junior matriculation will be required to attend. In borderline cases, or instances in which circumstances make this requirement impossible of fulfillment, the final decision as to eligibility for entrance shall rest with the Standards Committee of the Faculty.

SCHEDULE OF PAYMENTS

One half of the tuition fee is payable at the time of registration and one half on the opening day of the second term. Other fees are payable at the time of registration.

Tuition.....	\$200 .00
Library.....	\$ 1 .00
Student's Council.....	\$ 25 .00
Medical Services.....	\$ 6 .00
Laboratory Fee.....	\$ 1 .00
*Caution (Deposit)	\$ 10 .00
Books (estimated)	\$ 70 .00

*Students who neither live nor eat in Trueman House will pay a caution deposit of \$5.00.

Provided that no adjustment in the rate proves necessary before registration day, board and lodging payments will be made as indicated below:

September 23.....	\$ 65.00
October 28.....	\$ 65.00
November 25.....	\$ 35.00
January 4.....	\$ 65.00
February 8.....	\$ 90.00
March 29.....	\$ 75.00

All board and lodging payments must be paid in full before a student will be permitted to write any examinations.

FIRST YEAR DEGREE SYLLABUS

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Botany.....	3	2	3	2
Chemistry.....	3	2	3	2
English.....	4		4	
Mathematics.....	3		3	
Physics.....	3	1	3	1
Agriculture 1.....	3	1	3	1
Genetics (optional).....			3	

SECOND YEAR DEGREE SYLLABUS

	First Term		Second Term	
	Lec.	Lab.	Lec.	Lab.
Chemistry.....	3	2	3	2
English.....	3		3	
Economics.....	3			
Mathematics.....	3		3	
Physics.....	3	1	3	1
Zoology.....	2	2	2	2
Agriculture II.....	3	1	3	1
Economic Entomology (optional).....	3	1		
Bacteriology (optional).....			3	

Genetics, Economic Entomology and Bacteriology are being offered for students who wish to take their third and fourth years at the Ontario Agricultural College and will not be a requirement for the diploma of the Nova Scotia Agricultural College.

SUPPLEMENTAL EXAMINATIONS

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

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

Students who have supplemental examinations to write must write at the first opportunity provided following the examinations in which the failures were made.

Students with first year supplemental examinations to write will write in September, just before the beginning of the first term. Should a second first year supplemental examination in any subject be necessary, it will be written within four months of the time of the writing of the first one.

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

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

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

Description of Courses

The following courses are arranged for the 1964-65 College year. The Faculty reserves the right to make any revisions or additions which may be necessary.

AGRICULTURE

Agriculture I. An introductory course in soils, horticulture and agronomy.

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

Agriculture II. An introductory course in animal and poultry husbandry, agricultural engineering and farm management.

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

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—3 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—3 lecs. and 2 labs. 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) **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.

ECONOMICS

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. Remedial exercises, outlining and theme writing. Public speaking.

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

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

2nd year, 1st term—3 lecs. per week.

2nd year, 2nd term—3 lecs. 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—3 lecs. and 1 lab. per week (optional)

GENETICS

An introductory course dealing with the modern concept of inheritance, applicable to both plants and animals, including reference to human inheritance.

1st year, 2nd term—3 lecs. per week. (optional).

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) An introductory course covering mechanics, heat, light, sound, electricity and magnetism at the first year college level. Fundamental principles are taught through demonstrations and numerical examples.

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

- (b) A continuation course which covers the same ground as in (a), but with more intensive treatment. Certain topics will receive special emphasis and additional phases of the subject will be considered.

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

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.

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 Second Year Diploma 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.

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.

PRINCE EDWARD ISLAND DEPARTMENT 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.

MASTER FEEDS LIMITED PRIZE

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

THE SEED JUDGING TROPHY

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

DEBATING TROPHY

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

MURRAY-ARCHIBALD TROPHY

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

SCHOLARSHIPS

CONTINUATION SCHOLARSHIPS

MACDONALD COLLEGE SCHOLARSHIP

Macdonald College offers a scholarship of \$600 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.

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.

CANADA PACKERS LIMITED SCHOLARSHIP

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 must be made to the Registrar before April 15 of the applicant's last year at the Nova Scotia Agricultural College.

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

KETCHUM MANUFACTURING COMPANY LIMITED SCHOLARSHIP

The Ketchum Manufacturing Company Limited has provided a \$1,000 Dominion of Canada Bond, the interest on which is to be used for an annual scholarship available to a Nova Scotia Agricultural College graduate registered in 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 must be made to the Registrar before April 15 of the applicant's last year at the Nova Scotia Agricultural College.

IRA L. RHODENIZER MEMORIAL SCHOLARSHIP

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

MARITIME CO-OPERATIVE SERVICES LIMITED SCHOLARSHIP

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

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

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

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

PROVINCE OF NOVA SCOTIA SCHOLARSHIPS

The Province of Nova Scotia offers the following scholarships:

- (a) a scholarship of \$200. to each Nova Scotian who has attained an average of at least 80% on the required courses of the first year of the Degree Course and who registers in the second year of the Degree Course.
- (b) a scholarship of \$100. to each Nova Scotian who has attained an average of at least 75% on the required courses of the first year of the Degree Course and who registers in the second year of the Degree Course.

No application is necessary.

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

BRITISH AMERICAN OIL COMPANY SCHOLARSHIP

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

ENTRANCE SCHOLARSHIPS

NOVA SCOTIA INSTITUTE OF AGROLOGISTS SCHOLARSHIP

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

CANADA PACKERS LIMITED SCHOLARSHIPS

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

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

MARITIME STOCK BREEDERS' ASSOCIATION SCHOLARSHIPS

(a) Nova Scotia

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

(b) New Brunswick

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

(c) Prince Edward Island

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

in awarding the scholarship. Application for this scholarship must be made in writing to the Registrar on or before September 1. There is no application form.

PROVINCE OF NOVA SCOTIA SCHOLARSHIPS

The Province of Nova Scotia offers the following scholarships:

- (a) *a Scholarship of \$200. to each Nova Scotian entering the first year of the Degree Course with an average of at least 80% on junior matriculation examinations in English, Algebra, Geometry, Chemistry, Physics and two additional subjects;
- (b) *a Scholarship of \$100. to each Nova Scotian entering the first year of the Degree Course with an average of at least 75% on the junior matriculation examinations in the subjects stated above.

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

No application is necessary.

*In 1965 and thereafter, one of the additional subjects required will be a foreign language.

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

CANADIAN NATIONAL EXHIBITION SCHOLARSHIP FOR 4-H CLUB MEMBERS

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

Application forms may be obtained from the Agricultural Representative.

DIPLOMA COURSE SCHOLARSHIPS

Details of scholarships and bursaries may be found in the Diploma Course section of the calendar.

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.

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 administered by students who hold the various offices necessary for the satisfactory operation of an exhibition.

Enrollment 1963-1964

SECOND YEAR DEGREE

K. W. Blenkhorn,	Canning, N. S.
B. P. Bonnell,	Lancaster, N. B.
A. C. Bruce,	Aylmer, P.Q.
J. F. Burnham,	Florenceville, N. B.
F. E. Cotter,	Sussex, N. B.
C. W. Davis,	Sydney, N. S.
P. C. Dekker,	Summerside, P. E. I.
R. A. Donkin,	Nappan, N. S.
A. R. Eaton,	Centreville, N. S.
R. S. Eaton,	Port Williams, N. S.
E. G. Giles,	Truro, N. S.
R. C. Grant,	Fredericton, N. B.
M. M. Greening,	Bonavista Bay, Nfld.
A. G. Griswold,	Wolfville, N. S.
R. L. Hayman,	Tatamagouche, N. S.
D. W. Higgins,	Middle Musquodoboit, N. S.
H. W. Heukshorst,	Mabou Ridge, N. S.
R. A. Holley,	Spryfield, N. S.
J. A. Ivany,	Trinity Bay, Nfld.
E. R. Jarvis,	Stanley, N. B.
K. J. Leslie (Miss)	Pictou, N. S.
R. E. Longmoore,	Grand Falls, N. B.
C. E. McCloskey,	Woodstock, N. B.
A. W. McEwen,	Ormstown, P. Q.
J. H. McKay,	Shelburne, N. S.
T. L. MacMaster,	Moncton, N. B.
P. A. MacNutt,	Earlton, N. S.
L. W. McSween,	Truro, N. S.
L. C. Mahoney,	Bath, N. B.
F. D. J. Martin, (Miss),	Melrose, N. B.
D. C. Matthews,	St. John's, Nfld.
H. E. Mattinson,	Amherst, N. S.
G. S. Mitchell,	Wolfville, N. S.
N. L. Murphy,	Moncton, N. B.
A. S. Payne (Miss),	Truro, N. S.
B. N. Poirier,	Irishtown, N. B.
D. L. Rankin,	Mabou, N. S.
W. R. Rector,	Truro, N. S.
J. E. Redden,	Middle Musquodoboit, N. S.
G. K. Roop,	Kentville, N. S.

D. M. Sangster,
H. A. Shand,
G. D. Thorne,
R. J. Traverse,
P. D. Tuttle,
P. P. Van der Borch,
W. L. Whelan,
R. W. Wilson,
E. A. Woolaver,
J. M. Wuite,

Grand Pre, N. S.
Kentville, N. S.
Fredericton, N. B.
St. George's, Nfld.
Pugwash, N. S.
Truro, N. S.
St. John's, Nfld.
Tatamagouche, N. S.
Canning, N. S.
Westville, N. S.

FIRST YEAR DEGREE

R. N. Anderson,
M. H. Armstrong,
E. A. Azuntaba,
H. W. Baker,
G. K. Benjamin,
N. J. Bowser,
J. F. Bishop,
G. G. Clarke,
G. Comeau,
D. Cool,
R. M. Cox,
C. L. Cox,
W. C. Creighton,
L. J. Crooker,
D. A. Daley,
C. D. D. Demmings,
W. P. Deveau,
K. R. Douglas,
R. W. R. Fraser,
L. K. Fuller,
E. D. Haynes,
A. L. Henderson,
P. W. Hines,
L. C. Hoare,
D. J. Horne,
G. C. Illsley,
G. E. Jamieson,
F. W. Joyce,
N. Kureyang,
M. T. Langille,
R. Leger,

Sussex, N. B.
Kingston, N. S.
Tamale, Ghana
Toronto, Ont.
Brookfield, N. S.
Sackville, N. B.
Bridgetown, N. S.
Butternut Ridge, N. S.
Meteghan, N. S.
Boishebert, N. B.
Truro, N. S.
Maitland, N. S.
Vickers Heights, Ont.
South Brookfield, N. S.
Truro, N. S.
Woodstock, N. B.
Cheticamp, N. S.
Charlottetown, P. E. I.
Stellarton, N. S.
Centreville, N. S.
Saint John, N. B.
Irishtown, N. B.
East Noel, N. S.
Truro, N. S.
Dartmouth, N. S.
Berwick, N. S.
Moncton, N. B.
St. John's, Nfld.
Tamale, Ghana
Middleton, N. S.
Dieppe, N. B.

W. J. Melanson,
K. S. Mellish,
R. D. Miller,
W. L. Morris,
A. C. Murray,
R. C. Murray,
B. P. Murray,
G. W. MacConnell,
W. W. MacDonald,
J. P. MacKay,
A. L. MacKeigan,
J. A. MacLellan,
W. M. Naugler,
J. F. Nicholson,
M. N. Nussey,
R. A. Nutbrown,
K. S. O'Brien,
H. R. Parker,
S. B. Phillips,
H. L. Prince,
W. E. Retson,
J. E. Robertson,
S. T. Rogers,
R. L. Rose,
D. W. Ross,
A. A. Rovers,
M. B. Scott,
J. D. Secord,
G. D. Spence,
M. F. Stapleton,
P. B. Stead,
A. L. Stevens,
D. B. Stiles,
V. D. Totten,
D. G. Trenholm,
J. D. Van den Berge,
J. Van Vessem,
A. E. Wallis,
J. W. Wilson,
J. R. Wynn,

Lower Saulnierville, N. S.
New Perth, P. E. I.
Springhill, N. S.
St. John's, Nfld.
Moncton, N. B.
Moncton, N. B.
St. John's, Nfld.
Meadowville Sta., N. S.
Reserve Mines, N. S.
Pictou, N. S.
Reserve, N. S.
Gillisdale, N. S.
Italy Cross, N. S.
Pictou, N. S.
Ormstown, P. Q.
Brampton, Ont.
Truro, N. S.
Newport, N. S.
Toronto, Ont.
Saint John, N. B.
Truro, N. S.
Islington, Ont.
Heatherton, N. S.
Oakfield, N. S.
Truro, N. S.
Afton, N. S.
Saint John, N. B.
Moncton, N. B.
Newport Station, N. S.
Donovan's, Nfld.
Truro, N. S.
Canning, N. S.
Maccan, N. S.
Truro, N. S.
Amherst, N. S.
Debert, N. S.
Rockingham, N. S.
Lepreau, N. B.
Falmouth, N. S.
Truro, N. S.

SECOND YEAR DIPLOMA

R. K. Bentley,	Mt. Royal, Que.
R. G. Cameron,	Yarmouth, N. S.
C. R. Canavan,	Newport, N. S.
D. G. Carter,	Berwick, N. S.
R. G. Clark,	Berwick, N. S.
R. L. Crouse,	Stewiacke, N. S.
U. D. Driscoll,	Johnston's River, P. E. I.
B. G. Lockhart,	Malpeque, P. E. I.
M. P. Logan,	Amherst, N. S.
G. G. Londono,	Columbia, S. A.
G. M. Major,	Sackville, N. S.
L. C. Murphy,	Kensington, P. E. I.
L. A. Parker,	South Rawdon, N. S.
W. R. Quartermain,	New Waterford, N. S.
D. A. Shaw,	Newport, N. S.
G. W. Sinclair,	Albert, N. B.
S. P. Sinclair,	Albert, N. B.
D. H. Toogood,	Antigonish, N. S.
T. Van Zutphen,	South West Mabou, N. S.

FIRST YEAR DIPLOMA

A. Akishule,	Kahale, Uganda
M. P. Beagan,	Charlottetown, P. E. I.
P. E. Berkelaar,	Belmont, N. S.
T. H. Bowers,	Mahone Bay, N. S.
J. A. G. Bremner,	Falmouth, N. S.
S. C. Brown,	Harvey Station, N. B.
J. M. Cutten,	Truro, N. S.
Rev. Father T. Dits,	Belgium
J. C. Forbes,	Old Barns, N. S.
A. C. Forbes,	Miscouche, P. E. I.
S. D. Gates,	Port Williams, N. S.
R. F. Haley,	Antigonish, N. S.
A. D. Huskins,	Caledonia, N. S.
D. A. Jones,	Middle Musquodoboit, N. S.
C. V. Kelly,	Norton, N. B.
J. E. Lepper,	Tatamagouche, N. S.
R. H. Leslie,	Pictou, N. S.
E. B. A. Lewis,	Souris, P. E. I.
H. Lindblad,	River John, N. S.
M. L. Muise,	South Branch, Nfld.

G. W. Murchison,
M. W. MacDonald,
J. R. MacLeod,
D. W. Oulton,
E. W. Nickerson,
H. H. Pearson,
C. E. Power,
J. W. Rand,
D. E. Sproule,
R. L. Tilley,
E. White,
R. H. Wood,

Andover, N. B.
Codys, N. B.
Meadowville, N. S.
Windsor, N. S.
Waterville, N. S.
Codys, N. B.
Charlottetown, P. E. I.
Port Williams, N. S.
Annapolis Royal, N. S.
Robinsons, Nfld.
Reserve, N. S.
Charlottetown, P. E. I.

