

# ALUMNI NEWS

Activities reported by the Nova Scotia Agricultural College Alumni Association

Vol.5 No. 2

TRURO, N.S.

June, 1981

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## Open House Day Program for all ages Saturday July 25

The annual N.S.A.C. Open House and Alumni Reunion will be held this year on Saturday, July 25th. The day's activities will commence with a tasty chicken barbecue to be served between 11:45 a.m. and 1:30 p.m. in Jenkins Hall. Following the meal, alumni and visitors will have an opportunity to view the displays and demonstrations that are being arranged for different areas of the campus. Horse and tractor-drawn wagons will provide cross-campus transportation for persons interested in visiting these various attractions. Other guests may prefer to enjoy a leisurely stroll around the campus as they view the different exhibits and demonstrations.

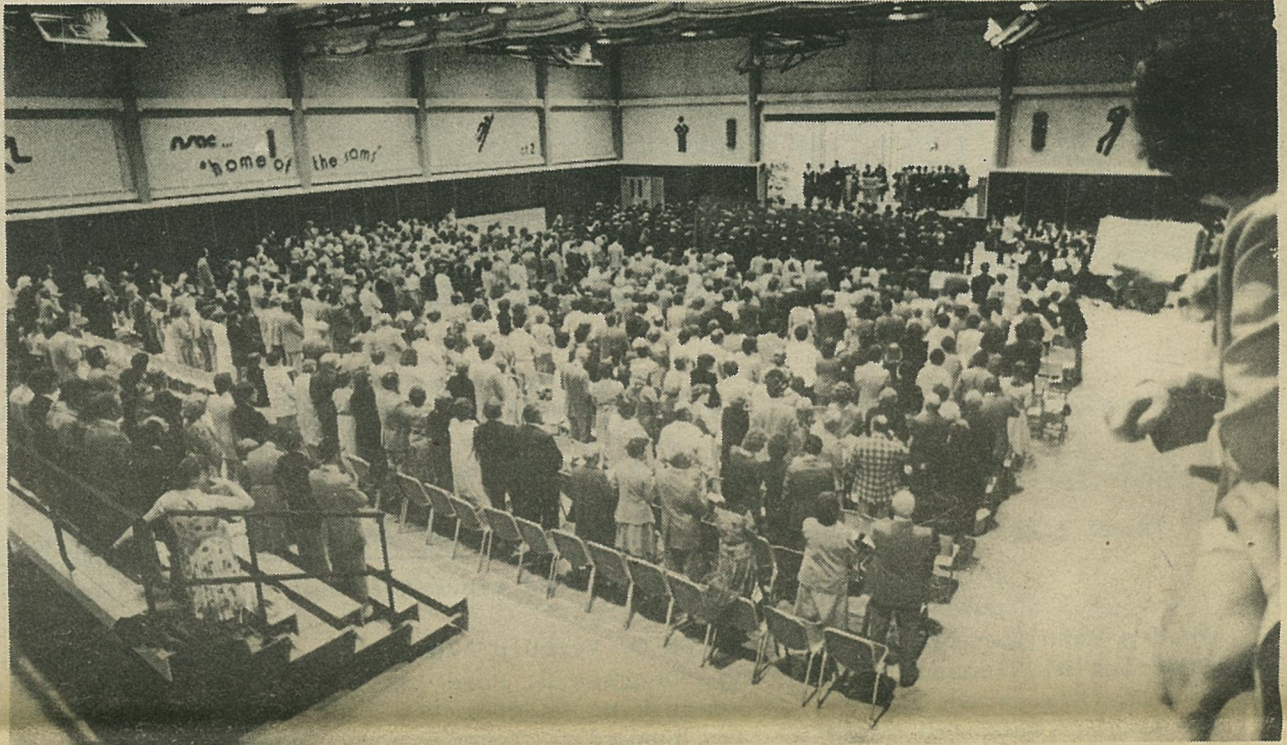
In the area of the Boulden Building, Open House visitors will be able to view different species of livestock in their natural farm surroundings. Additional interest in this area will be generated by the Maritime Dairy Goat Show which is being held in conjunction with the Open House programme.

Enroute from Jenkins Hall to the Boulden area, many visitors will want to stop for at least a few minutes to watch the horseshoeing and iron work demonstrations, to tour the veterinary pathology laboratory in the Hancock Building and to view the foxes and bobcats in their pens in the field to the right of the roadway.

Horticultural enthusiasts may want to visit the Collins Building and will undoubtedly derive much pleasure from examining the floral beds locate to the rear of that building. On the other side of College Road, the vegetable and weed gardens, the orchard and the Cox Institute greenhouses should be of considerable interest to these same visitors.

While in Cox Institute, Open House guests are encourage to view its facilities and to visit the displays and/or exhibits in the Biology, Chemistry and Economics areas and in the Library. Tours of the Athletic Centre will also be available for those wishing to inspect this focal point for N.S.A.C. sports activities.

An interesting contrast of "the old and the new" is in store for persons who visit the Banting Building on July 25th. Outside the Banting Building, visitors will have a chance to view various pieces of the most up-to-date agricultural machinery, provided through the courtesy of local farm implement dealers for his display. Inside the Banting Building,



Graduation 1981 was held on May 6th, at the Athletic Centre. A large crowd was on hand to extend best wishes to the 167 new graduates. Guest speaker was E. J. LeRoux, Assistant Deputy Minister, Research Branch, Agriculture Canada.

Open House guests will have an opportunity to "turn back the clock of time" to catch a glimpse of the agricultural past as they view the display of historical implements and artifacts arranged by the N.S.A.C. Historic Implement Collection Committee.

Among the highlights of the July 25th events will be the alumni programme. Alumni will enjoy the chance to reminisce with old friends and former classmates at the alumni reception on Friday evening, July 24th. The annual meeting of the N.S.A.C. Alumni Association will be held on Saturday afternoon with a dinner and dance scheduled for Saturday evening. The honor years for 1981 are those ending in 1 and 6. Arrangements can be made for visiting alumni and their families who wish to obtain accommodations in the College Residence for the Open House weekend.

Why not plan now to include Open House 1981 as a part of your summer and vacation plans? Come to N.S.A.C., bring your children and make July 25th a real family day! We hope to see you there!

Audrey Payne, Chairperson  
Open House Committee

## New Library building to be started in fall

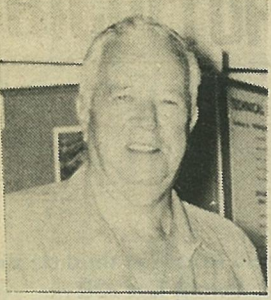
By the fall of 1982 a new library building will grace the campus of the Nova Scotia Agricultural College. This building will be highly functional as well as decorative and will provide the impetus for advanced learning and research.

One of the first requirements of initiating the degree granting program at N.S.A.C. is the provision of adequate literature resource materials for agricultural students, professors, extension specialists, farmers, and farm related industry workers. This means that the present library holdings of books, periodicals, magazines, films, and microforms must be increased about eightfold over the next few years, necessitating expanded facilities and modernized equipment.

This library will provide an agricultural information centre for the Atlantic Region and will be housed in a separate three-story building. It will be built in the area of the Plant Science Department research plots and will form the fourth side of the rectangle framed by Cumming Hall, the Athletic Centre, and Cox Institute.

cont'd on p.5.





## Memberships

The Secretary once again reminds all Alumni that memberships for the year 1981-82 are now due. The easiest way to look after this chore is to take out a Life Membership for \$50.00. Your \$50.00 will be put in a permanent deposit account and will ensure a yearly interest payment of \$5.00 or more, at present rates of interest. It also means that you will be free of making yearly membership payments.

For those who elect to pay a yearly membership fee, the rate is \$5.00. The Alumni Association needs your support to carry on its various functions, the most important of which is the semi-annual publication to Alumni News. On June 1, 1981 we had 86 Life Members and 254 Alumni who paid a \$5.00 membership during the year.

We need your support in 1981-82.

J.E. Shuh, Secretary Manager  
N.S.A.C. Alumni Association

### N.S.A.C. ALUMNI ASSOCIATION LIFE MEMBERSHIPS

(Received since the last issue of Alumni News)

Rhodes Hennigar '45  
Roderick R. Nielson '80  
Stanley F.S. Wood '18  
H. Douglas Goff '80  
Charles Fraser '48  
Willis Bonnyman '38  
Donald St.C. White '27  
Donald S. Cox '46  
Ronald Joyce '38  
J. Louis Robicheau '37

Jacob C. Verhulp '76  
Dr. Douglas D. Pond '38  
Hendrik W. Kolstee '71  
Dr. Howard L. Trueman '15  
James M. Neary '76  
Alex T. MacNab '33  
Dr. T. Keith Murray '46  
John R. Elliott '77  
Donald L. Byers '63  
Douglas N.A. Crouse '55

Stewart Wright '24  
Robert J. Hilton '33  
James E. Langille '47  
Patrick J. O'Brien '78  
Dr. R.G. Ross '47  
W.B. Stewart '56  
Robie Nickerson '55  
Alex S. Palmer '19  
Dr. Jerry A. Ivany '64  
Ken Streach '62

Murray W. MacDonald '65  
Kevin J. MacIsaac '78  
Donald Eells '24  
Jane C. Yeomans '75  
Scott F. MacDonald '48  
Fletcher Payne '28  
A.F. Butt '56  
A. Elaine Clark '76  
W.A. Jenkins '38



George F. MacKenzie  
President

Since the last edition of Alumni News was printed a large group of new members have joined our ranks namely 167 graduates of the Class of 1981. We welcome them to the Alumni Association and wish them every success in the future.

We would ask that they support us by returning to the campus for reunions, and other Alumni events and after their first year's complimentary membership has elapsed to become active dues paying supporters. All of us will agree that N.S.A.C. is a very special place and the campus itself as well as the teaching staff are Number 1. Let's all be "N.S.A.C. boosters" wherever and whenever we can.

The next big event is, of course, the Open House and Alumni Reunion, July 25, 1981. Lots of activities have been scheduled and we hope that you are planning to be part of the action. All those graduates of years ending in "1 and 6" are especially encouraged to return for your special class reunions. Make sure that all class members register so that competition for the Coop Atlantic shields can be keener than ever.

Your Alumni Executive plans to meet before the Annual Meeting and of course the Board of Directors will be meeting on July 25 - in the morning, prior to the Annual Meeting. We hope to have some recommendations from our special committee on upgrading of Alumni Scholarships.

Thanks to all for your support of our Association; we hope you will continue this support in the years ahead.

Hope to see you in Truro on July 25th.



# "Win" Langille named Professor Emeritus

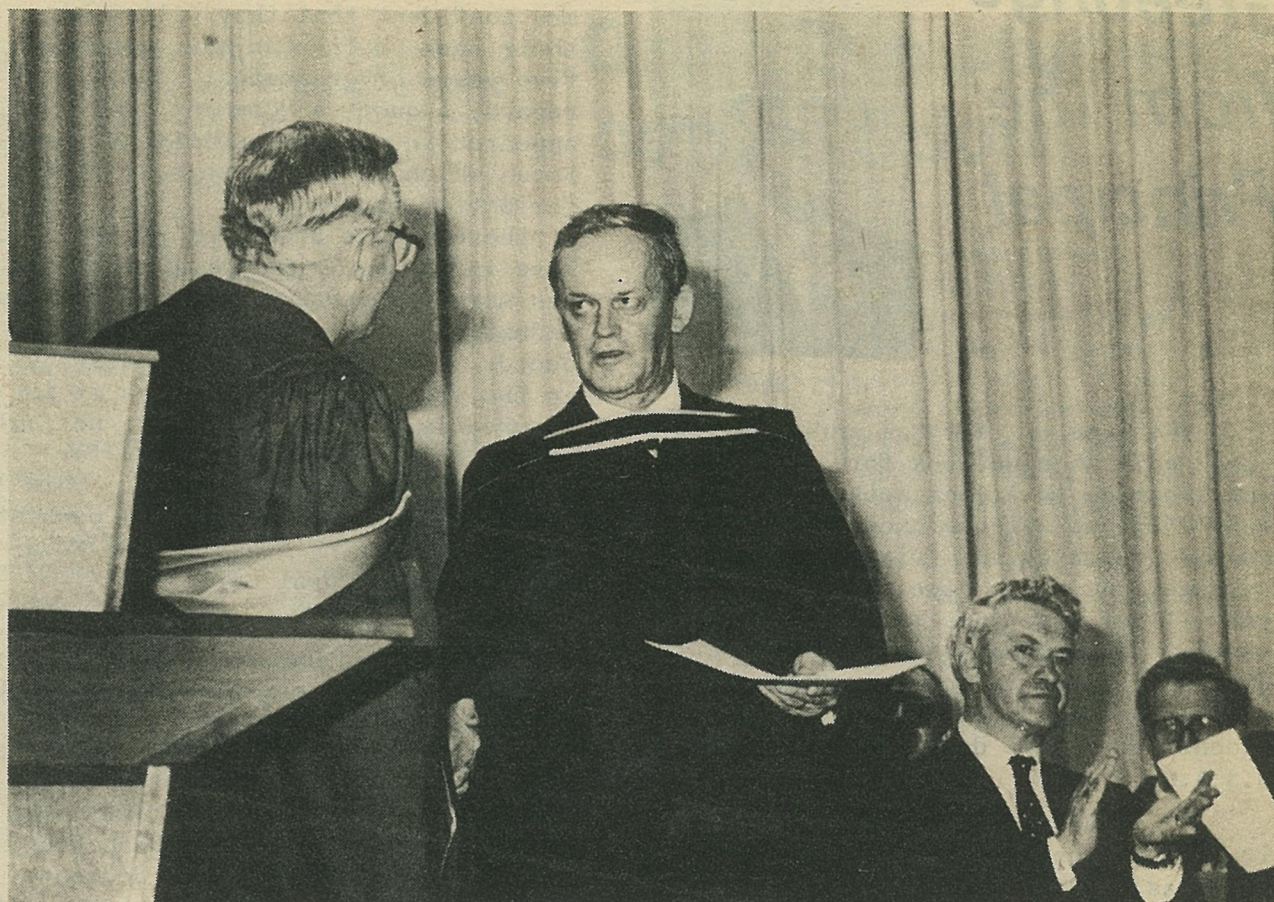
The Nova Scotia Agricultural College pays tribute today to a member of its staff who has served the institution with dedication and distinction for 36 years.

Winston Murray Langille, born in Westchester, Nova Scotia, a graduate of the Colchester County Academy where he received the Governor-General's Medal, a B.Sc. graduate in Chemistry from Acadia University where he served as President of the Students' Council and an M.Sc. graduate in Soil Chemistry from Macdonald College of McGill University.

Professor Langille began his career as a Chemist with the Nova Scotia Department of Agriculture & Marketing and during the years 1945-1964, he served the dual role of Supervisor of the Nova Scotia Research Foundation Laboratory and as instructor in chemistry at the Nova Scotia Agricultural College. In 1964, he became a full-time staff member of the N.S.A.C. and from 1968 to the present has served as Head of the Chemistry Department.

Professor Langille is known to many generations of students as a dedicated and respected teacher who unselfishly devoted his talents and energy to student instruction in courses ranging from introductory chemistry to soils, soil fertility and plant nutrition. Throughout his career, he maintained an active and keen interest in research. He pioneered in trace element research in Nova Scotia, particularly with respect to trace element levels in soils and plants. The scientific publications which he authored deal with cobalt and copper deficiencies, molybdenum toxicity, plant boron deficiency and more recently studies on water quality in Nova Scotia and the implications of acid rain.

Professor Langille did not restrict his outstanding energies and talents to teaching, research and administration. An avid sports enthusiast, he singularly encouraged the importance of athletic activity and sportsmanship in the development of young people at a time when the institution did not have a formalized sports program. He served as a coach of the hockey team for many years and instilled in all those with whom he came in contact, a deep appreciation of team effort and a sense of fair play and good sportsmanship - qualities which extended from the playing arena to his relationship with colleagues and students inside and outside the classroom.



Dr. MacRae presented the Citation to Professor Langille during the 1981 graduation ceremonies. A most enthusiastic response was noted from all graduates, faculty and friends of the college in the hall.

But Professor Langille's contributions do not end here. Throughout his career, he has contributed his best to a range of community activities - an Elder and Church School teacher in St. Andrews United Church; Past President of the Truro Kiwanis Club, the Truro Curling Club, The Nova Scotia Branch of the Royal Caledonia Curling Club and the Truro District Hockey League; Long-time successful coach of various Truro Little League Baseball Team; a catcher for the famous 1946 Truro Bearcats Baseball Team, Nova Scotia Champions and later inducted into the Nova Scotia Sports Hall of Fame. In recognition of his outstanding contributions to his community, Win Langille was named "Citizen of the Year" in 1968.

In recognition of his many years of outstanding service to this institution as teacher, researcher and administrator; a example to all of conscientious dedication to his work and to his community, The Nova Scotia Agricultural College names him Professor Emeritus upon his retirement, June 30th, 1981.

## 1981 Graduation Exercises

### Medals, Scholarships & Prizes

1. Governor-General's Medal  
Malcolm Cairns,  
Lower Freedom, P.E.I.
2. Canada Packers Limited Scholarship  
Colleen Mitchell,  
4 Williams Lake Road  
Halifax, N. S.
3. Co-op Atlantic Scholarship  
Donna Kelland,  
11 Rodney Street  
St. John's, Newfoundland.
4. Eliza M. Jones Scholarship -  
Macdonald College  
Nancy MacLean,  
38 Johnson Avenue  
Truro, N. S.  
Velma Noble,  
Wilmot, N. S.
5. Master Feeds Co. Ltd. Prize  
Norma Daigle,  
R.R. #1 Richiboucto,  
N. S.
6. Ketchum Manufacturing Co. Prize  
Michael Hughes,  
R.R.#1 Blockhouse,  
N. S.
7. The Klass deGeus Memorial Prize  
Angela Beyer,  
R.R.#3 Moncton,  
N.B.
8. Engineering Technician Award  
Daniel Saunders,  
R.R.#1 Truro,  
N.S.

### 1981 Student Distinction Awards

This year's banquet was served in a "Medieval" setting. Graduates and guests were entertained by folk singer Duncan MacLeod during the meal. Guest speaker was Les Stoodly from CBC. The graduating class presented a painting to the college as a memento, and following the banquet planted their class tree near the center of campus. Six students were honoured with distinction awards.

GOLD	JEFFREY ALLEN EVERETT
SILVER	JUSTINA MARY KNOX PAULINE HILLEGONDA DUIVENVOORDEN
BRONZE	GEORGE ANDREW KIELLY EDWARD BERNARD DOYLE MARION TERESA MACAULAY



# 4 Greetings from the Principal



H.F. MacRae

The time of year has arrived once again when we look forward with anticipation to Alumni Weekend, July 25th and welcome back to campus former graduates and friends of the College. We again hope that many of you will arrange your summer plans so that you and your families can be with us to join in the July 25th activities and to become aware of recent and future developments at N.S.A.C.

It is also the time of year when it is tempting to reflect on the year that has passed. 1980-81 will remain in our memories and it will be recorded in the annals as one of the truly significant years in the life of the institution.

During 1980, we celebrated the 75th Anniversary of the founding of the College. The year was highlighted by a series of anniversary events and we express our gratitude to Prof. Peter Sanger and his Committee and all those who worked so hard to provide events which helped us to celebrate our past. Out of this 75th Anniversary experience has grown a much keener awareness of the importance of preserving our heritage not only as an institution but for agriculture in the region. As a consequence, we established an Historic Collections Committee which has begun the task of exploring ways and means to develop such a collection. Prof. Sanger has been appointed Acting Archivist and I hope that graduates and friends of the College will follow this activity with keen interest and support.

A 75th Anniversary is significant in itself but added to ours was the announcement by the Province of Nova Scotia, on the recommendation of the Higher Education Commission, that the N.S.A.C. proceed to the establishment of a full degree program. This announcement carried the commitment of the Province to provide the additional physical and human resources that will be required. In terms of physical facilities, a new three-storey library building has first priority. Plans are well underway and construction should begin this fall. The library building will be followed by significant extension to Cox Institute and to the Boulden Building. You will read in this issue of the Alumni, items which will provide more detail on these developments.

On May 6th we graduated 167 students in all programs and they now

join the ranks of the Alumni and we are confident that they will make their mark in life as have seventy-five years of graduates. In this regard, I quote a "Comment" which appeared in a recent edition of Farm Focus which expresses this sentiment far better than I can:

"There is one crop that is produced here in the Maritimes that probably has more influence on the agricultural industry than any other product produced. This crop comes to maturity in the spring and as soon as it is matured is sown in all parts, not only of the Maritimes but in other far flung countries of the world. This crop (using the word loosely) consists of the graduating class of the Nova Scotia Agricultural College.

"To anyone who is interested in agriculture and has the slightest knowledge of the contribution N.S.A.C. has made to the industry, through its graduates, these graduation exercises can only be a source of satisfaction and gratification. The satisfaction comes from the fact that these young people who have decided to dedicate themselves to Canada's most important industry have received their education from an institution that has gained reputation of turning out well trained and dedicated students. While the students entered N.S.A.C. with many of the attributes that were needed to see them through their years of study, there is no doubt that the time spent at the Agricultural College certainly enhanced their knowledge, skills, and character through the many courses and social programs.

"The gratification stems from the fact that the graduating class comes from many widely separated areas of the maritimes, plus some students from the third world. This bodes well for the industry, there has never been a time when all the disciplines that are required in farming need well trained people more than they do right now. In a world that cannot expect to make the same rapid strides in food production that it has in the past, with both energy and environmental problems looming large on the horizon, these young people will be facing a

challenge much greater than any of their illustrious alumni. There isn't any doubt in our mind with the training they have received through N.S.A.C. they are well equipped to face these challenges.

"As great as these challenges are, there is one thing that the present day graduating class will not have to overcome and that is the acceptance they will receive from the working farmer. This was not always the case, in many instances their predecessors not only had to sell good ideas but also had to convince the people they were working with that their intentions were sincere. This attitude only came about by the dedicated work of the many professional agriculture workers through a strong sense of duty and a conviction of what they were doing was right.

"Farm Focus congratulates the N.S.A.C. graduating class of '81, but respectfully reminds them that with their graduation goes a responsibility to uphold the traditions established and carried out by previous graduating classes from the Nova Scotia Agricultural College. A responsibility that should not be taken lightly."

We look forward to seeing many of you on July 25th and we welcome at all times letters and visits from former graduates.

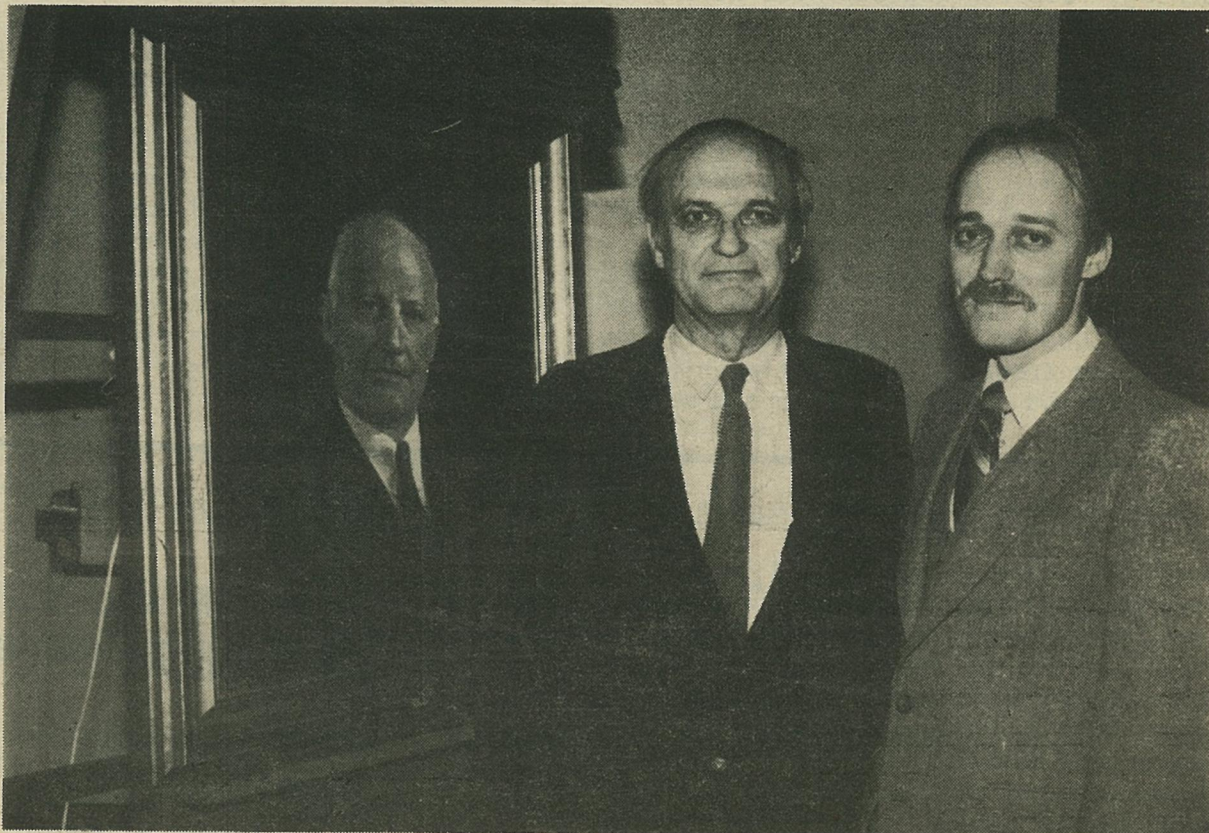
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Eugene H. Lange, an Honorary Associate of N.S.A.C., was awarded an honorary doctorate degree by the University of Manitoba on June 4. Professor Lange was Director of the School of Agriculture from 1953-1972.

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One of the three portraits unveiled at the 20th Annual Meeting of the Canadian Agricultural Hall of Fame held in Toronto on November 16, 1980, was that of Dr. Malcolm Bancroft Davis (1890-1979) shown here with, left to right, his son Alexander Davis and only grandson, Brian Davis. Dr. Davis was a member of the N.S.A.C. Class of 1910.





Continued from page (1)

The new building will provide 35,000 square feet of work area, two-thirds of which will be used by the library while one-third will be temporarily occupied by the Department of Agriculture and Marketing Extension Department. This space will eventually be turned over to the library as expansion requirements dictate.

Some of the features being planned for this building are modern computerized methods for the cataloguing, information circulation, accounting, and ordering procedures. An on-line data retrieval system will be used to find data stored in computer banks throughout Canada and the United States at a nominal cost. An Audio-Visual section will be enlarged to contain information stored on microfilms, microfiche, microdiscs, films, slides, records, and cassettes.

Modern equipment will also be available for reading and displaying these miniturized forms of data storage. An archival section provided with temperature and humidity control for the proper storage and display of old agricultural documents, records, books, maps, newspapers, and small artifacts is also planned. Electronic checkout surveillance will reduce book losses and minimize supervisory staffing.

The building is being designed for maximum versatility and use with free access to all holdings. The open arrangement of reading areas, book stacks, and offices will make it a pleasant place to study and work. Individual carrels and study rooms will be available in addition to the standard reading tables.

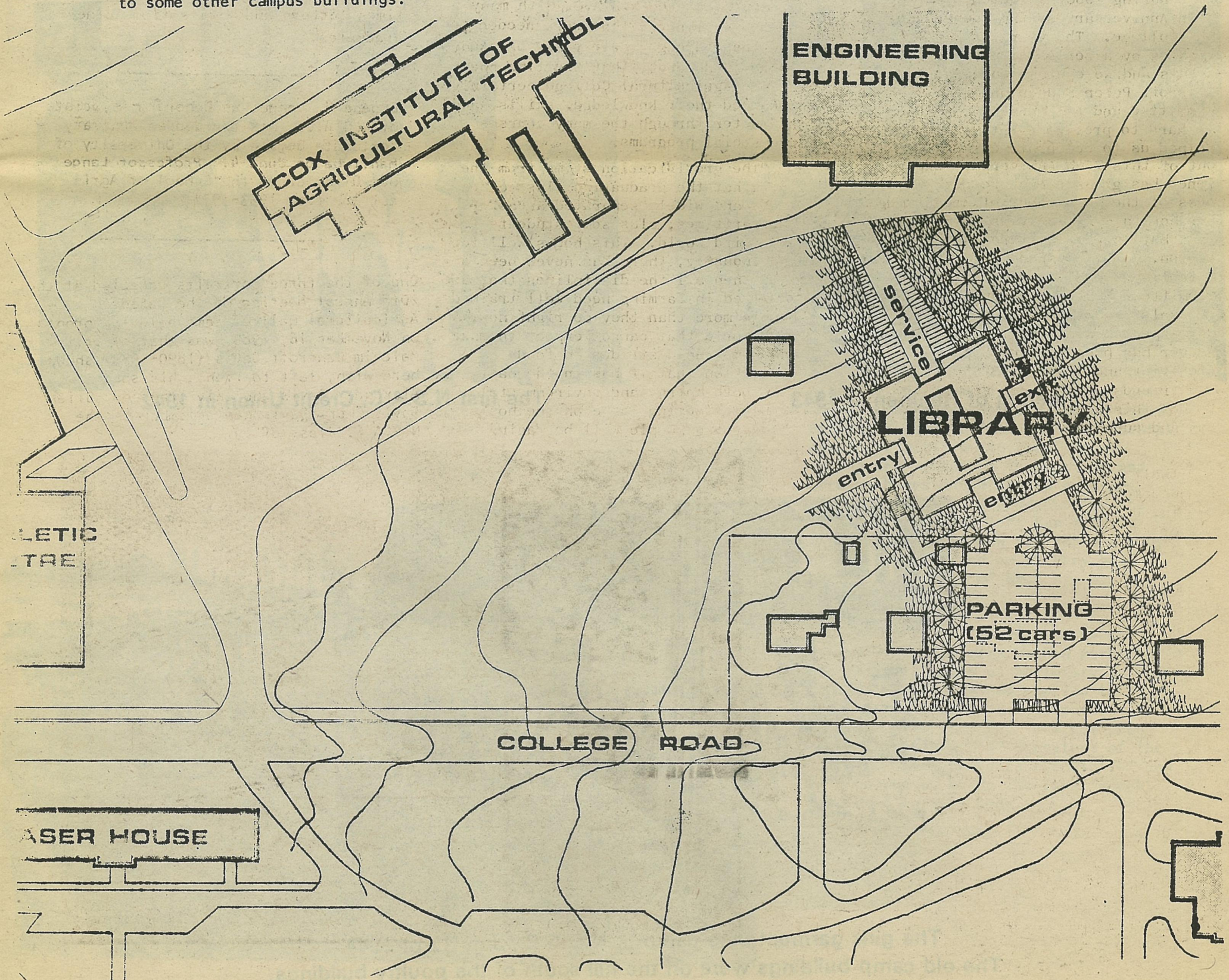
It is anticipated that work on this building will commence later this year following the sod turning ceremony at the fall assembly.

Ken MacLean, Chairman  
Library Committee

## Graduate student competition

Carol Bubar, graduate student in weed science in the faculty of agriculture at the University of Manitoba, overcame stiff competition to win second place in the graduate student paper content of the North Central Weed Control Conference, held in Omaha, Nebraska, in December. Bubar's paper dealt with the differing effect of shade upon green and yellow foxtail. The competition involved students from some of the best universities in the United States. Carol is a graduate of N.S.A.C., Class of '77.

Following is an architects sketch showing the planned location of the new library building in relation to some other campus buildings.





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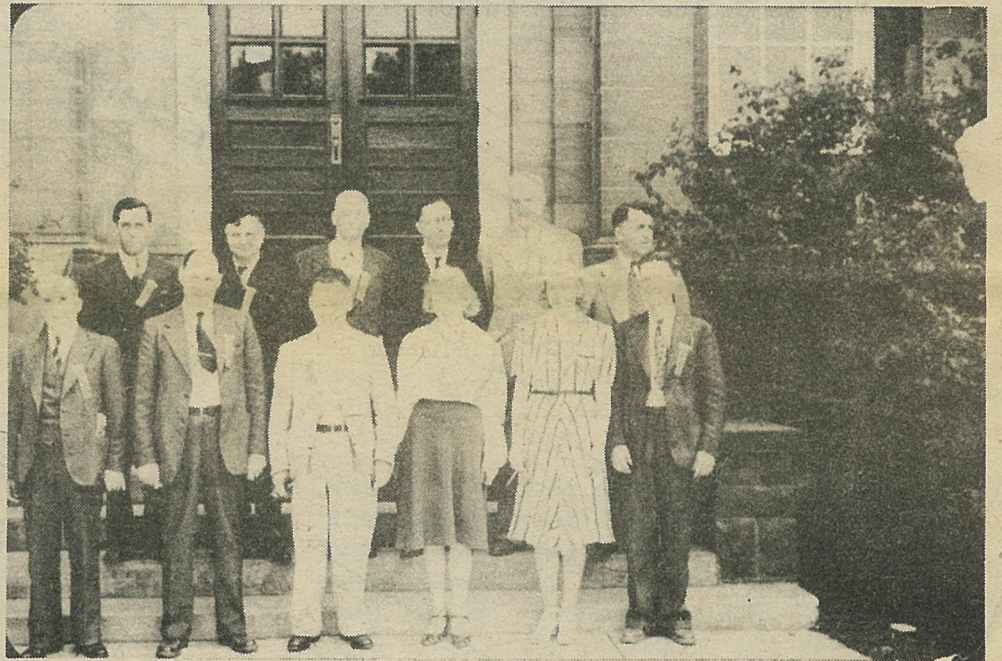
*Group pictures  
from NSAC files*



This is a "pre-entry" group of students from the R.C.A.F. Photographed on the steps of Cumming Hall in 1942. (The year of suspenders).



A meeting of Henmen in 1943



The first N.S.A.C. Credit Union in 1942



The girls garment club camp at N.S.A.C., July 12 of 1944.  
The old camp buildings were on the hill south of the poultry buildings.



# Expected Registration for 1981-82

Registration at N.S.A.C. this fall will have a new dimension. For the first time, many students who register for the degree course will expect to graduate from N.S.A.C. with a B.Sc.(Agr.) degree. That will be in the spring of 1985.

The degree granting status, finalized this year, may have already influenced the enrolment for this fall. At the time of writing (late May) 135 students have received early or final acceptance for the first year of the degree course programs. Of these, the number who have selected the course leading to a B.Sc.(Agr.) is significantly higher compared with any recent year.

The new students who register on September 8 for the first year of the five Technician courses will also be making N.S.A.C. history. They will be the first students to enter the newly revised Technician courses.

The changes in the Technician courses go into effect this fall after one and a half years of Committee and Faculty Council work and after the involvement of many persons in the agricultural industry from outside of the College community.

The courses have been completely revised and provide among other changes a requirement for a greater depth of study and training, the opportunity for minor specialization within the major specialization, and the requirement or opportunity for more training in the basic skills of agriculture.

Because of the higher entrance requirements of the revised Technician courses, there has been some concern about a possible negative effect on enrolment in these programs this fall. At this date, such fears appear to be unfounded.

The number of students accepted in the five courses is presently at about the same level as last year. At the Interview Days over the next six weeks most, if not all, of the places available in these courses will be filled. This means that we can expect

between 110 and 125 new students in the Technician courses this fall.

The higher academic requirements for entrance to the Technician courses has resulted in a new course. N.S.A.C. will offer a Pre-Tech semester for students who intend to apply for one of the Technician courses at N.S.A.C. and who are out of school and are up to three high school subjects short of the minimum academic requirements. Though this course will not commence until January 4, there are already several applicants.

If applications continue at the usual rate, we can expect the student level in the Technology courses to be close to maximum. The Ornamental Horticulture Technology course continues to be popular and is likely to be filled, the Chemistry and Biology Laboratory courses can be expected to be close to maximum and the Farming Technology and Agricultural Technology courses will be at least at average levels.

In summary, we can expect to have a heavy enrolment at N.S.A.C. this fall. The estimate from this office at this time is between 275 and 300 students.

P.Y. Hamilton  
Registrar

## Class Notes

MARRIED - Mrs. & Mrs. Brian M. Crouse

Brian Crouse '78 and Elizabeth Mellish '78 were married recently in Montague, Prince Edward Island. The Soloist was Dean Cole '73; the Maid of Honour was Adele LaFrance; the Bridesmaids were Ellen MacKinnon '78, Sherri Lynn Mellish, and Susan Crouse; the Best Man was John Van Kessel '76; and the Ushers were Kevin Grant '75, Weldon Smith '73, and Dwane Mellish '75.

Brian is the 4-H Representative in Lawrencetown and Elizabeth is the 4-H Representative in Windsor.

John Wuite '64 writes from Calgary that he enjoys "Alumni News" and hopes to attend the Open House and Reunion in 1982.

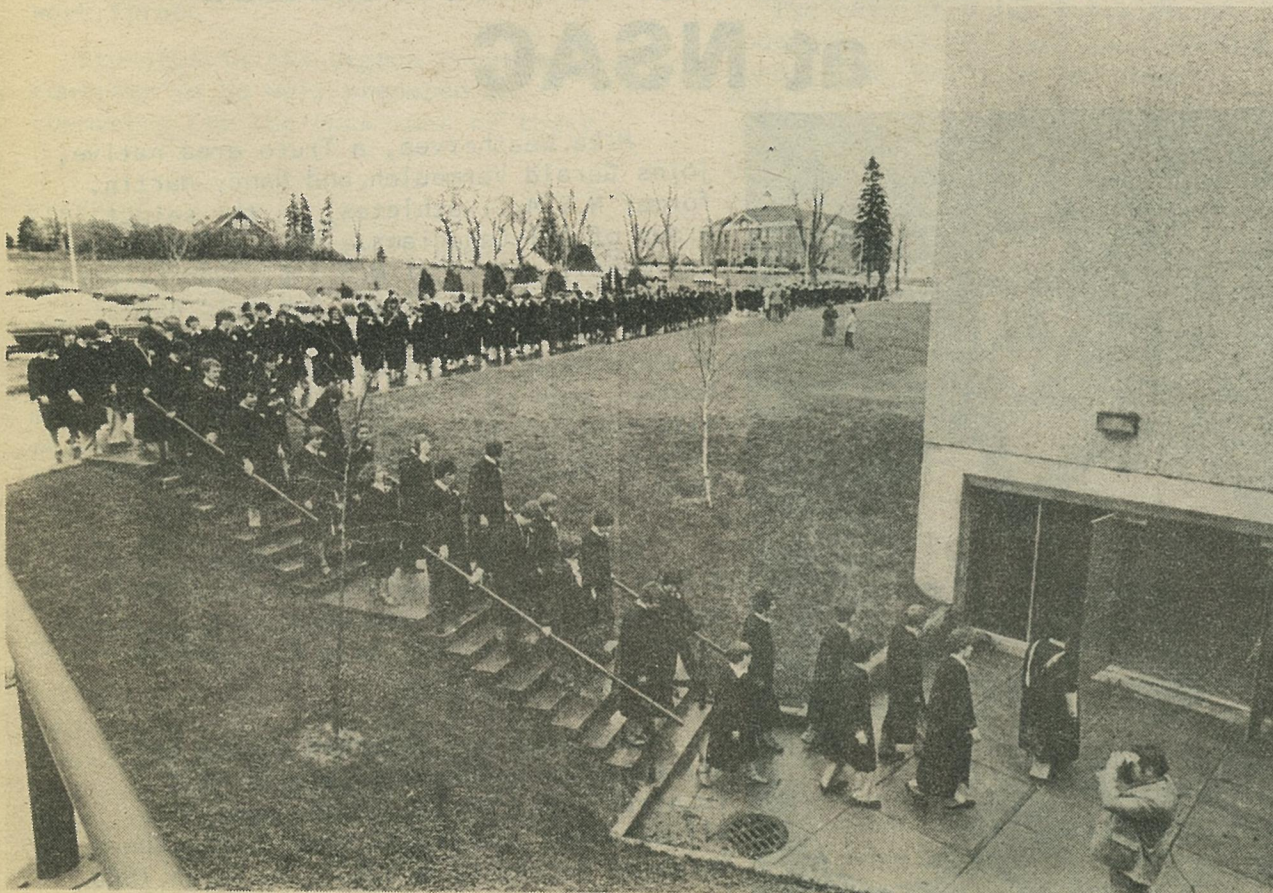
Howard Trueman '15 wrote expressing pleasure in the announcement of plans for the four-year degree course. He writes "I am sure that the College will prepare graduates for service in the Atlantic Provinces better than they would be prepared elsewhere. N.S.A.C. has come a long way since I was one of a total of 60 or 70 students in the two diploma years."

Aubrey Hutchison '48 wrote a newsy note. He said that he had a Christmas card from Art (Einstein) Wells who had paid a visit to the Island last year. Hutch was also able to give us addresses for three of the lost wethers of Class '48 as well as advising us that Donald McElwain died about two years ago.

W.R. Churchill '12 wrote from Red Deer, Alberta. He says "I came to the farm in the Spring of 1910 and worked under Professor Archibald on the experimental crops and also on the farm report during the winter in the morning and evening hours and attended college through the day. I graduated in the Spring of 1912 and left for Alberta right away. I am now retired and busy with my hobbies and am in very good health at the age of 89."

Eva Carter Lutes. While Eva is not a graduate she was very much a member of the College family as secretary to the Registrar. She is now married to Gerry Lutes and lives at Steeves Mountain near Moncton. Eva has been named to the board of directors of the Maritime Stock Breeders Association and is honoured as being the first woman appointed to this body.

Congratulations Eva!







## Athletics

The annual athletic awards banquet was held April 7, 1981, in the Riverview Room of Jenkins Hall. One of the highlights of the banquet, attended by the athletes and guests, was the presentation of the top athlete awards for men and women.

The women's award went to Pauline Duivenvoorden, Armstrong Brook, N. B. Pauline was a member of the field hockey team and the woodsmen's team for one and two years, respectively. She was selected as the M.V.P. for the women's woodsmen's team for the 1979-80 season. Ms. Duivenvoorden was the Women's Commissioner of the Student Athletic Association and directed the co-ordination of women's intramural sports.

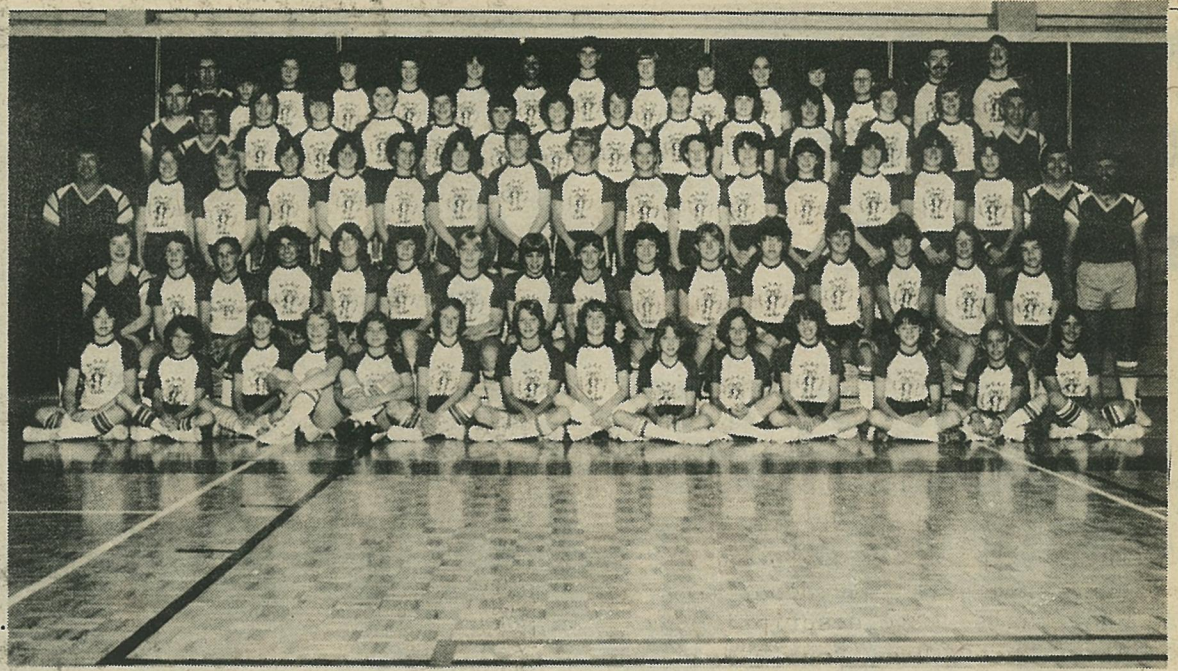
On the men's side, two gentlemen were named as co-winners of the men's prestigious annual award. Steve Myette, Afton, N. S. and Steven MacMackin, Saint John, N. B. were the first even dual winners. Myette played varisty volleyball for two years and was co-captain both years.

In his first year, he was named rookie of the year at N.S.A.C. and was selected to the Nova Scotia College Conference all-conference team. Steve continued his consistent play in his second year and again was named to the college all-conference team. He was a driving force in leading N.S.A.C. to the Conference Championships, which gave the Rams a place in the Canadian Colleges Athletic Association National Championships, hosted by the College of Cape Breton. A.C. tied for fourth place with a 3-4 record in the round-robin preliminary and lost a play-off berth to Alberta on point spread.

Steve MacMackin played soccer for two years and was manager of the men's volleyball team for the 80-81 season. A "holler" type player. Steve co-captained the soccer team both years. MacMackin received rookie of the year honors in his first year of play at N.S.A.C. and was selected as the M.V.P. by his team mates in his second year. His outstanding play was further recognized by being named to the all-conference team of the Nova Scotia Colleges Conference for the 80-81 season.

Over the winter season, Steve continued to serve the varsity volleyball team. His time and effort was most visible and his contribution during practices was most beneficial to the team's success.

International Year  
of Disabled Persons

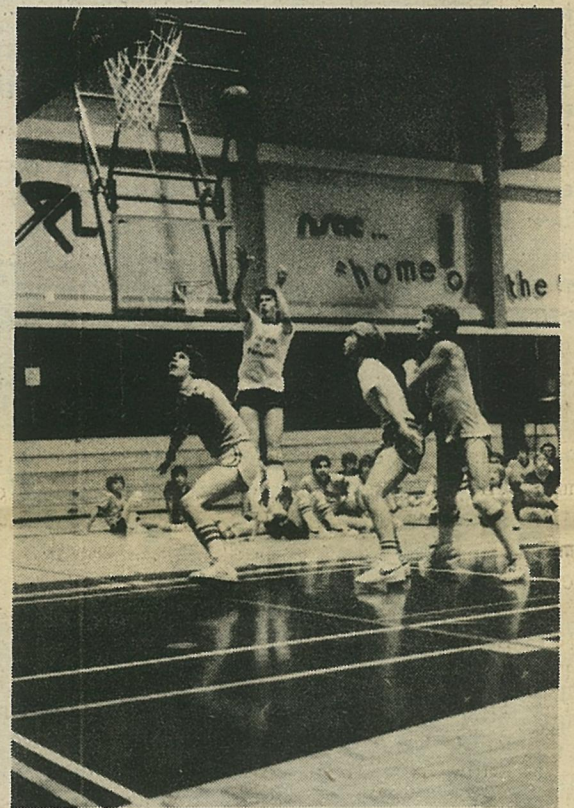


Members of the 1980 girls basketball camp.

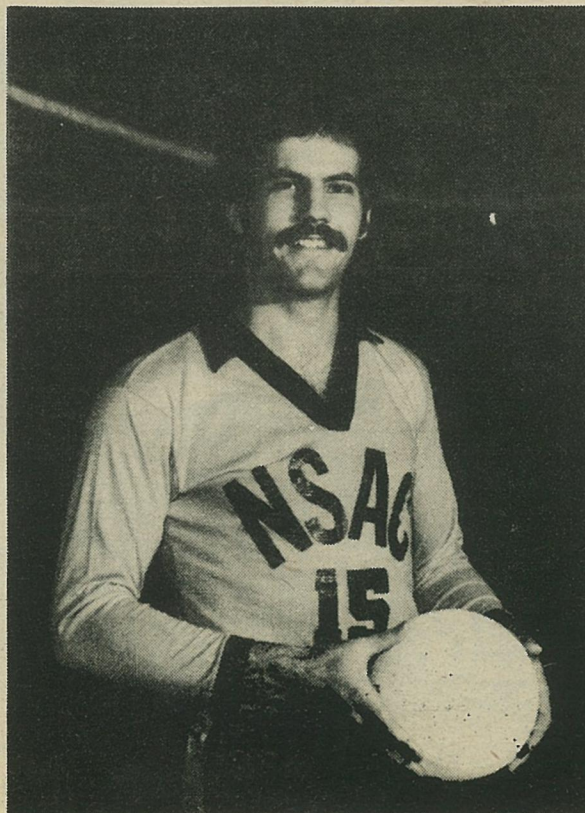
### SOCCER INTRODUCED TO SKILLS CAMPS

The success of the Sports Skills Camp at N.S.A.C. continues to maintain a high profile. The registration forms for the basketball camps were in the schools prior to the March break. Response was instantaneous and both the girls and boys camps were filled by the end of the first week in April.

As was our intent in the initiation of the Sports Skills Program, other sports would be introduced. Soccer will be introduced to the program this year. Thirty campers will be accepted for a day camp to run from July 13 through July 17. The camp is open to both boys and girls and will take place from 9:00 a.m. to 12:30 noon daily. Camp Director, Ken Marchant, has appointed two excellent player-coaches to instruct in the program. Charlie Hunter, coach of the CEC team in Truro, and Phil Boyle a P.E. specialist in Halifax County, will run the skills program of the camp. If the camp proves successful, the camp will become a full residence camp next year.



## Another All-Canadian at NSAC



Mike Weatherbee, a Truro area native, joins Gerald Vermeulen and Nancy Martin, former N.S.A.C. athletes, in the select group of All-Canadians. Mike a first year volleyball player at N.S.A.C., was selected to the Canadian Colleges Athletic Association tournament team at the National Championships hosted by the College of Cape Breton, this past March. Weatherbee was also selected as a member of the Nova Scotia Colleges Conference All-Conference team.

The team co-captain played his high school ball at Cobequid Educational Centre and was a member of the Nova Scotia Canada Games mens volleyball team for 1978-79. Congratulations, Mike.

Vermeulen was selected to the men's All Canadian basketball team in 1978 (Montreal) and Martin to the women's All-Canadian basketball team in the Championships hosted by N.S.A.C. in March 1980.



# Chemistry at N.S.A.C.



by W.M. Langille

(This is the first of a series of articles that will appear in Alumni News outlining the organization, teaching, and research activities of each of the College Departments.)

This is a summary of the activities of the Chemistry Department of the Nova Scotia Agricultural College. It details the type and scope of activities associated with the department on an annual basis. The description is typical of an academic year and a typical summer programme.

Academically, the department has scheduled courses in twenty-six chemistry subjects instructing degree, technologist, technician, and special students in the various areas. Subjects include material relating to general chemistry, food chemistry, soil chemistry, instrumentation, analytical (qualitative and quantitative) analysis, organic chemistry, bio-chemistry, laboratory techniques, chemistry laboratory organization and management, engineering chemistry, glass blowing, etc. Project work and seminars are also an important part of the student training.

Class size varies considerably and may vary from five to ten students to 120 students. In all courses, fundamental facts are stressed and modern chemistry concepts carefully woven into the programme. Of particular interest has been the development of a chemistry laboratory course of two years duration. The intent of this particular programme is to train students to be effective and knowledgeable workers in chemistry laboratories in general, whether academic, industry, private, or government. These chemistry technology trained students have found work quite readily and are well received in the work force.

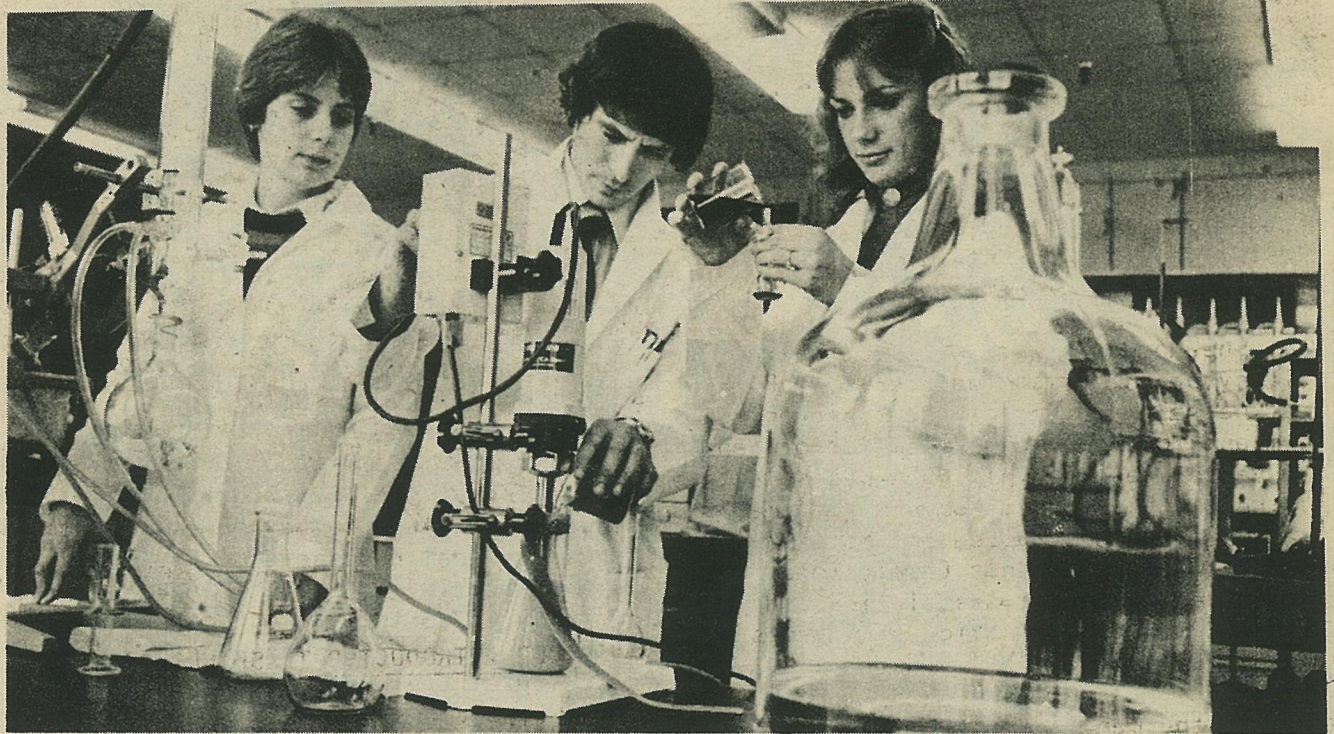
Students in the Degree Programme continue to be well prepared in chemistry for the vocations of their

## STAFFING:

The Chemistry staff is dedicated to excellence in instruction of students and this is considered the prime concern. The research activities help keep the staff members involved abreast of modern technology and thinking. This research is of great assistance in the teaching programme and as well supplies information which can be of assistance to the agricultural industry as it is carried out in the Atlantic Provinces.

## STAFF MEMBERS:

Prof. Win Langille, Department Head, and Professors Audrey Payne, James Hawley, Henry MacConnell, Kenneth MacLean, Robin Robinson, and Mrs. Anne Swan, Mr. Douglas Crosby, Mr. Daryl Mullin, and Mr. Dwight Higgins.



choice such as chemistry per se, food science, animal science, soil science, etc. Many have become leaders in their field, are highly regarded by their peers, are contributing to society in general and the agricultural industry in particular.

## EQUIPMENT:

The chemistry laboratory is equipped with modern instrumentation such as gas chromatographs, atomic absorptiometers, infra-red, auto analyzers, flame photometers, fluorimeters, spectrographs, modern balances, pH meters, colorimeters, calorimeters, sulphur analyzers, a scintillation counter, etc. This type of equipment is required to properly instruct students in the modern methods of analysis as they relate to agriculture particularly. As well, the equipment is used in the various research projects undertaken in the department.

## FACILITIES:

The chemistry laboratories are modern in design, have good working conditions, mobility and safety features. General laboratories, instrumentation labs, project rooms, drying rooms, grinding rooms, spectrograph rooms, a radioimmunoassay laboratory, analytical laboratories, chemical and equipment storage areas make up the Chemistry complex.

## RESEARCH:

The department has a well developed research programme which is designed to promote the agricultural industry with particular reference to assisting producers and finding answers to Atlantic Provinces agricultural problems in the soil, plant, animal, man cycle. Due to staff instructional duties and space limitations, research activity is limited to the summer period. Despite this drawback much is accomplished in this area of activity.

Below are listed projects that are near completion or underway at the present time:

1. The Effect of the Mineral Element Status in Soil, Tissue, Water and Hair Samples as Related to Infertility in Cattle
2. A Search for Plant Protein - New Sources of Protein
3. Arsenic Studies of Nova Scotia Soils and Vegetable Plant Tissue
4. The Trace Element Status of Nova Scotia Soils
5. Infra-red Analysis of Silicate Clays - Characterization and the Effect of Clays on Soil Fertility and Exchange Mechanisms
6. The Trace Element Content and Value of Limestone, Manure and Fertilizers as Used in the Atlantic Provinces
7. Selenium Levels of Soils and Crops Common to Nova Scotia
8. The Sulphur Content of Selected Nova Scotia Soils and the Relationship of Acid Rain to Sulphate-Sulphur
9. The Isoflavone Content of Legumes as Related to Soil Sulphur
10. Water Quality Studies of Natural Water Supplies as Affected by Agricultural Practices
11. The Progesterone Levels in Milk as a Mechanism for Determining Early Pregnancy in Cattle
12. Beta Carotene Studies in Relation to Infertility in Cattle
13. Pregnancy Determination in Ewe and Sow

These projects are funded from research funds of the Nova Scotia Department of Agriculture Research Committee, Agriculture Canada and the Dairy Farmers of Canada. Student summer assistants are hired for these projects and the advantage of the learning process in such situations is most meaningful to them as well as supplying funds for their future educational pursuits.



# Obituaries

Robert W. Starr, Class of '14  
Deceased May 24, 1981

W. Howard Francis, Class of '66  
Deceased February 22, 1981

F. Carlyle Hollis, Class of '31  
Deceased December, 1980

Peter N. Grainger, Class of '48  
Deceased December 7, 1978

Donald Melvin McElwain, Class of '48

William Sharp McNeil, Class of '29  
Deceased June 5, 1981

Walter R. Shaw '14

Walter R. Shaw died in Charlottetown on May 29th, 1981 at the age of 93. A distinguished alumnus of N.S.A.C., he spent all of his life associated with agriculture in his capacity as a farmer and a member of the P.E.I. Department of Agriculture.

In 1915 Walter was an Inspector for standing field grain competitions and a few years later was named as Live-stock Superintendent.

In 1934 he was appointed Deputy Minister of Agriculture. In 1958 he was chosen as leader of the Conservative Party on P.E.I. and was elected Premier in 1959, an office which he filled with distinction until 1966. Since that time he has lived in retirement on his farm.



John Thomas MacAulay

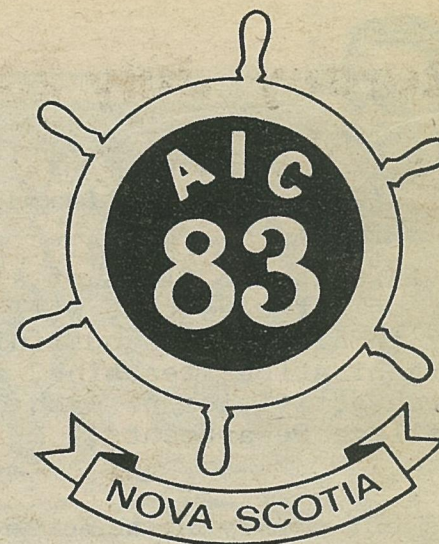
Died on January 27 in the Halifax Infirmary at the age of 44.

A graduate of the Nova Scotia Agricultural Collegé, the Nova Scotia Technical College and the University of Guelph, he was a professor of Agricultural Engineering at the Nova Scotia Agricultural College. He was a member of the Association of Professional Engineers of Nova Scotia, the Nova Scotia Institute of Agrologists, The American Society of Agricultural Engineers and the Canadian Society of Agricultural Engineers.

He taught engineering and machinery subjects to both technician and degree students and will be well remembered by these students whom he has taught since 1964 and by his associates in agriculture and engineering.

Complementary to his teaching John was interested in blueberries and carried out work in the development of a mechanical blueberry harvester. He also helped organize and was chief of a local volunteer fire brigade.

He is survived by his wife, two children and three brothers.

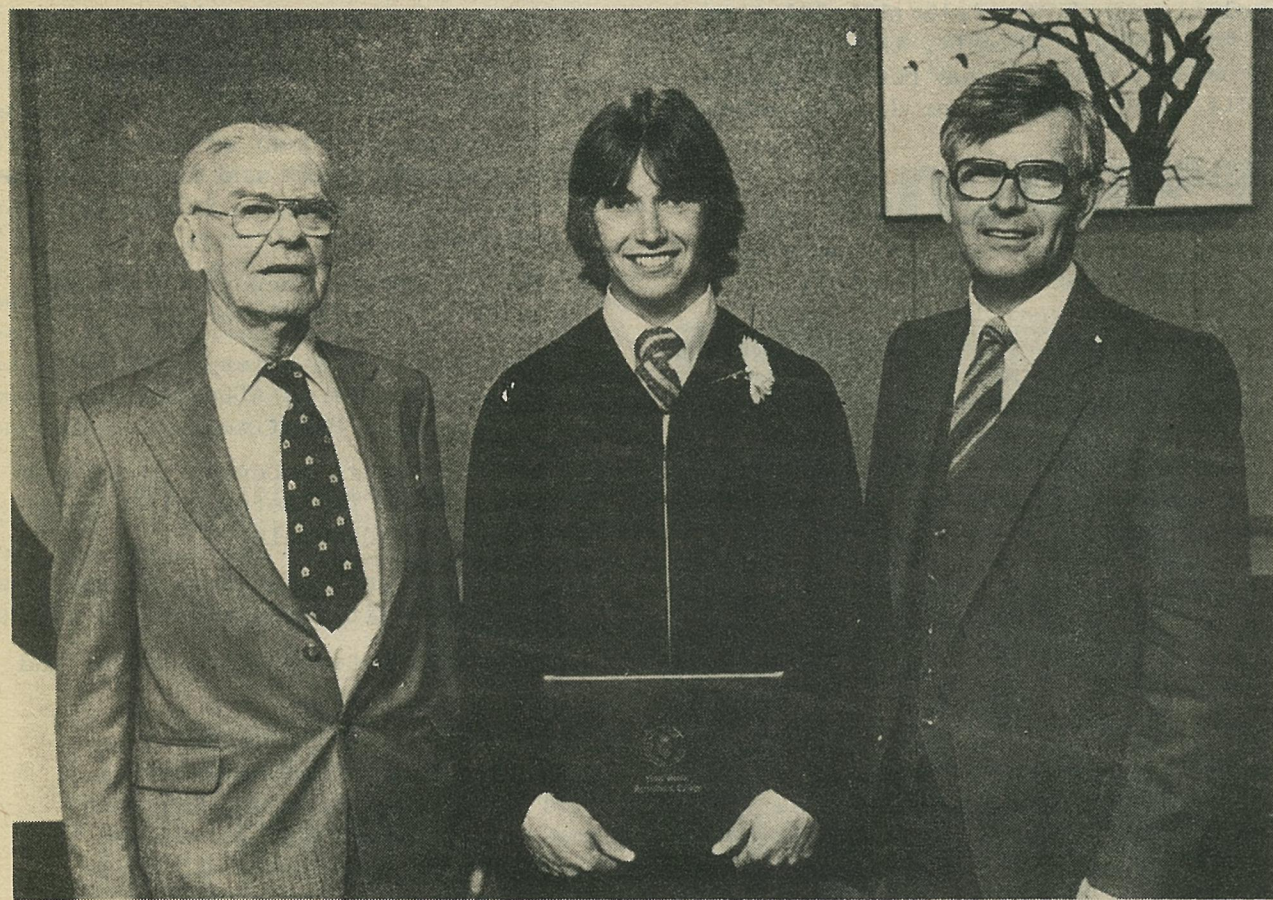


The annual conference of the Agricultural Institute of Canada will be hosted by the N.S.I.A. on the A.C. campus in early July, 1983. The Agrologists have already set up the planning structure, and the various committees have started to develop plans. N.S.A.C. hopes to welcome many graduates and friends to an expanded campus at that time.

## 1983 AIC CONFERENCE PLANNING COMMITTEE

General Chairman - Rollie Hayman  
Co-Chairman - Dale Ellis  
Secretary - Arnold Rovers

Committees	Chairman
Accommodations	- Herb MacRae
Entertainment	- Phil Stead
Finance	- Marinus Van de Sande
Ladies & Youth	- Jack Redden
Program	- George MacKenzie
Publicity	- Dick Huggard
Reception	- Donald MacNeil
Registration	- Henry MacConnell
Tours	- Bob Bennett
Transportation	- Dale Cunningham



Three generations of Walsh graduates were photographed following the graduation ceremony on May 6th. Left to right are, Grandfather, F. Waldo Walsh, Class '17, Grandson, Walso Walsh, Class '81, and Father, Fred Walsh, Class '50.

## Jim Fulton Retires

Jim Fulton, Director at Harrow, retired on December 5, 1980. A native of Nova Scotia, he obtained his primary education and there and attended the N. S. Agricultural College. He received his B.Sc. from Macdonald College in 1947 and began his research work at Harrow that same year. In 1952 he obtained from the Ontario Agricultural College an MSA in soil science and in 1963 Jim was granted a Ph.D. in soil science from Michigan State University.

During his career at Harrow, Jim initiated work in fertility and irrigation studies on coarse textured sandy soils and and fertility work on clay soils. His research extended the knowledge of soil oxygen deficiency and plant growth and became widely used as reference information on plant growth and soil aeration conditions. He has published 24 papers in the field of soil moisture fertility and irrigation.

During his career Jim provided leadership to committees, planning sessions and agricultural research organizations throughout Ontario and across Canada. He served as science editor of the Canadian Journal of Soil Science from 1965 to 1968.



# Saturday July 25, 1981

## Open House Day and Alumni Reunion

### Open House Events

11:45 - 1:30 p.m. Chicken Barbeque served from Jenkins Hall.

Tickets: Adults - \$5.50  
Children - \$4.00

11:30 - 1:30 p.m. Dinner hour musical entertainment, C.E.C. Clown Band

12:00 - 4:00 p.m. Displays and/or Activities

- Historical Implements Display - Cumming Hall
- Agricultural Machinery Display - Banting Bldg.
- Career Opportunities in Agricultural Display - Jenkins Hall
- Ornamental Hort. Displays Collins Bldg.
- Farm Walkabout - Animal Dept. in area of Boulden Building.
- Biology Dept. Display - Cox Institute
- Chemistry Dept. Display - Cox Institute
- Economic Dept. Display - Cox Institute
- Yearbook Display - Library, Cox Institute
- Greenhouse, Vegetable Garden - Nursery
- Plant Science Dept. - Cox Institute
- House Plant Identification and Care - Plant Science area, Cox Institute

1:00 - 3:00 p.m. Tours of Swine Barns-

1:00 - 4:00 p.m. - Tours of Fox and Bobcat Projects  
- Tours of Hancock Bldg.  
- Tours of Athletic Centre

3:45 p.m. - Milking time - Dairy Barn

### Alumi Events

3:00 p.m. - Annual Meeting - Alumni Theatre

4:30 p.m. - Picture taking of Honor Year Classes, (those years ending in 1 or 6) - Fraser House front steps.

5:30 p.m. - Alumni Reception (cash bar), Jenkins Hall

6:20 p.m. - Buffet Dinner \*\$7.00 Jenkins Hall

9:00 p.m. - Dance \*(\$8.00/couple) Jenkins Hall

\*(Buffet Dinning & Dance tickets = \$20.00/couple)



Front row, left to right, Andrew Audu, Patrick Ube, Umar Mohammed, Yakubu Tumbau, Obinnaya Ikonte and Donatus Ameh. Back row, left to right, Patrick Ogunnubi, Modu Kolo, Ibrahim Embu, Dr. H. F. MacRae, Principal, Solomon Williams, Adebayo Ogunkelu



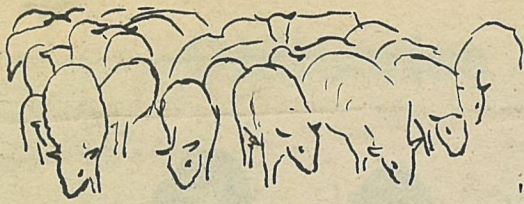
Shown are, from left to right, Donatus Ameh, Patrick Ube, Dr. H. F. MacRae, Principal and Obinnaya Ikonte.

## Plan now to attend

Residence space is available. You may reserve rooms in advance by calling the residence office at 902-895-1571 (extensions 268 or 195) or writing Rev. D.I. MacEachern at the N.S.A.C., Box 550, Truro, N.S. B2N 5E3.

Lodging in Trueman House will cost \$9.00 per person per night (two to a room), and \$12.00 for a single room. Meals will be \$1.75 for breakfast, \$3.25 for lunch, and \$3.50 for dinner.





## Lost Sheep

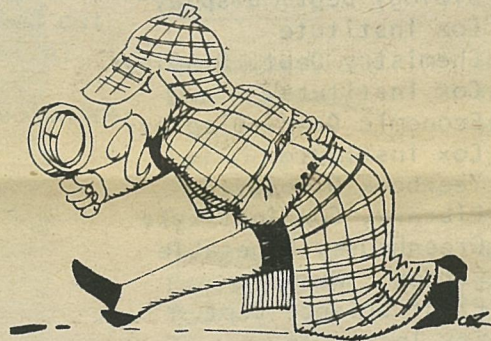
'21 Grant W. Beckwith  
'31 Edwin P. Grant  
'37 Alex J. Harrison  
'38 John Roderick MacLean  
'39 Bernard G. Kuhn  
'39 William J. Meades  
'46 Ellsworth M. Haines  
'46 J.K. Landry  
'47 Jean A. Arsenault  
'47 Alexander Barker  
'47 Charles F. Colpitts  
'48 Edmund J. LeBlanc  
'49 Richard Warren Jones  
'50 H.E. Robbins  
'52 James W. MacGregor  
'54 Ronald V. Colpitts  
'54 Charles Dunsford Lank  
'54 Victor W. Sutherland  
'55 H. Peter Johnson  
'56 George M. Holden  
'56 Gordon C. Logan  
'57 Arthur J. King  
'57 Paul A. MacDonald  
'57 Gerald R. Otley  
'58 Rev. Edward G. Britten  
'60 Arthur Bruce Allen  
'60 Everett S. Bridges  
'60 Logan A. Chisholm  
'60 A. Ian MacRae

'61 George Melvin Barclay  
'61 Michael A. Desjardins  
'61 Roland J. Read  
'61 Howard B. Rand  
'61 John E. Shepherd  
'63 Howard Blair DeWitt  
'63 Dr. Harold F. Johnson  
'63 Donald J. MacInnis  
'63 Samuel J. Miller  
'63 William D. Stewart  
'63 James G. Walsh  
'64 Brian P. Bonnell  
'64 Haase Linblad  
'64 L. William McSween  
'64 Gordon S. Mitchell  
'65 Alan C. Martell  
'66 Wayne Roy Ettinger  
'66 David B. MacKillop  
'66 Allan Roy Palmer  
'66 Dr. David W. Thorne  
'67 Gregory E. Johnson  
'67 J. Allison MacIsaac  
'68 John W. Connor  
'69 W. Dale Crandall  
'69 Wendell R. MacLaine  
'69 Lloyd G. Murphy  
'69 Joanne E. Shewchuck  
'69 Larry W. Wamboldt  
'69 Weldon J. Yeo

'70 John R. Chisholm  
'70 Greg H. Dill  
'70 Terry G. Forsythe  
'70 Gregory M. LaPlant  
'70 Paul G. MacAulay  
'70 Allastair E. MacQuarrie  
'70 Maxine (Gourley) Whitman  
'71 Lysle H. Anderson  
'71 B. Scott MacDonald  
'71 John J. MacDonald  
'71 Joseph T. MacInnis  
'71 Mary Jean MacNamara  
'71 K. Dale Morrisey  
'71 Kenneth G. Peacock  
'71 Darryl R. Peck  
'71 Marjorie (Scott) Taylor  
'72 David G. Cowl  
'72 Gail K. Crooker  
'72 Pierre B. Cyr  
'72 John J. Lord  
'72 Gregory D. Trefry  
'73 Keith W. Beausejour  
'73 Kevin A. Curran  
'74 James W. Eisener  
'74 James LeR. Moore  
'74 J. Dalton Purdy  
'74 J.M. Todd  
'75 Deborah L. Clive  
'75 Giles P. Corno  
'75 Angela M. (Tims) DeLong  
'75 Dennis Philip Dickinson  
'75 W.M. Duffy

'75 Hugh G. Faulkner  
'75 James Michael Foster  
'75 Kelvin V. Lynch  
'75 Francis Edward Tenhave  
'76 Michael G. Armstrong  
'76 Diane Barbara Brodie  
'76 Philip Chiu Chun Hing  
'76 Andrea G. Gerry  
'76 Otto G. Goulding  
'76 Bryon F. Hovey  
'76 Becky R. Hughes  
'76 Allison Henry Maynard  
'76 Walter A. Myrden  
'76 James William Profit  
'77 Wanda L. Alexander  
'77 Karen M.J. Arsenault  
'77 Randall R. Goodfellow  
'77 Gary J. McGory  
'77 Brian W. McOnie  
'77 Donald O. Northcott  
'77 Earl Perry  
'77 W. Susan Pye  
'77 Cynthia C. Trann  
'78 Stephen L. Arbing  
'78 Nell Gardner  
'78 Elizabeth S. Lythgoe  
'78 Edmund Patrick Purcell  
'79 Carol Ann Ingram  
'79 Miles James Friars  
'79 Brigitte Marut  
'79 Tammy L. Moore  
'79 Stephen C. Shearsmith

Please help us track down  
a better mailing address  
for these graduates



## Membership Request

Memberships in the N.S.A.C. Alumni Association for the year 1981 are now due. The work of the Association which includes the publication and distribution of Alumni News is entirely dependant on the support of you as Alumni Members.

A life membership of \$50.00 will relieve you of paying any future yearly memberships of \$5.00. Either way you help to ensure the continuation of a strong viable Alumni Association.

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Enclosed please find \_\_\_\_\_ for my 1981 \_\_\_\_\_ Life \_\_\_\_\_ Membership

Send all correspondence to:

J. E. Shuh,  
Secretary-Manager,  
N.S.A.C. Alumni Association,  
Nova Scotia Agricultural College,  
TRURO, N.S. B2N 5E3

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J. E. Shuh

### Typing

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Gail Currie

NOTE TO PARENTS: If this issue is addressed to graduate who no longer maintains a permanent address at your home, kindly notify the Alumni office of the new mailing address.