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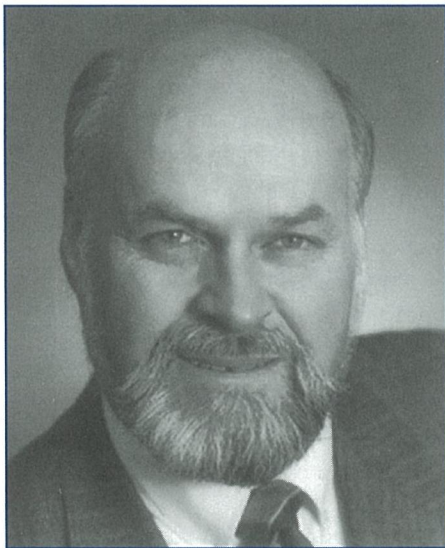
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Alumni News

Vol.20 No.2
Summer 1996

Principal Les Haley appointed Deputy Minister of Agriculture



Dr. L.E. Haley, ninth principal of the Nova Scotia Agricultural College, has been appointed Deputy Minister of Agriculture effective April 1, 1996.

A graduate of the College and a geneticist, Dr. Haley hopes to maintain a strong link with the Nova Scotia Agricultural College while being challenged in the broader field of agriculture in Nova Scotia.

"I hope to maintain my role in the continuing evolution of the College from a different perspective," explained Haley, "while facing the broader opportunity and challenge of the development of agriculture in the province."

Dr. Haley began his position as Principal on the 84th anniversary of formal establishment of the Nova Scotia Agricultural College by the provincial

legislature. He has been integral in the vast growth and development witnessed at the College during his tenure. Record growth in student enrolment, development of research/industry partnerships, graduate programs and strategic planning are among his greatest accomplishments.

The NSAC achieved a record enrolment of 946 full-time students for the academic year 1995/96, a year when enrolments dropped dramatically across the nation. With the addition of new programs, such as aquaculture, an initiative of the Principal, NSAC continues to enjoy strong student support both at the university and high school levels.

The College has also become the major comprehensive agricultural research institution in Atlantic Canada with faculty attracting \$4 million annually for research; the third highest among Nova Scotia universities. The College ranks first in research funding as a proportion of total operating expenditures.

Under the leadership of the Principal, a long term vision for the College was established with the formation of the College's first Strategic Plan, Mindful of Earth.

"We have a strong team in place and the real challenge for the College will be to adapt to new opportunities and adjust to changing needs," added Haley.

Vice-Principal Administration, Dr. Bernie MacDonald, is Interim Principal and a search committee hopes to have a new principal in place by October 1, 1996.

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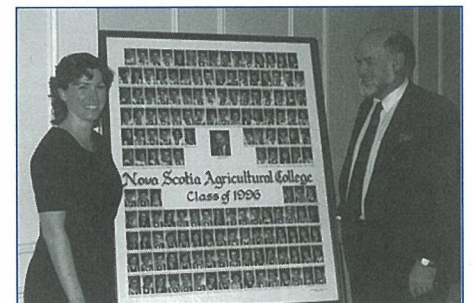
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Marching to the Podium

More than 200 students graduate during Convocation 1996



Amber Walker, Co-Chair of the graduation committee, presents Principal Dr. L.E. Haley with the 1996 Class composite during the Graduation Banquet May 2, 1996

As more than 200 students marched to the podium during Convocation ceremonies at the Nova Scotia Agricultural College May 3, 1996, 80 per cent marched into full-time positions, a highlight of the 91st graduation class.

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AC Alumni News

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"Marching" Continued from page 1.

"There have not only been more opportunities for our graduating students this year, but students have been receiving offers much earlier than usual," explained Brian Crouse, Assistant Dean, Career Services and Awards.



Two Governor General's Academic Medals, a silver and bronze were presented to (L to R) Shelley Lynn Crossman, Bronze Medal for highest academic standing in a Diploma Program and Claire Louise Moxon, Silver Medal for highest academic standing in a degree program.

The Class of 1996 represented the largest graduating class in the history of the College and reflects the greater role the College has in agricultural education in Atlantic Canada and its resulting impact on the international scene.

"The quality and availability of facilities, equipment and instrumentation used in the instructional program at NSAC is truly exceptional and in fact, surpasses those at many major comprehensive universities in Canada and the USA," said an External Review Team at a site-visit in 1995.

Sir Graham Day, Chancellor, Dalhousie University, delivered the Convocation address while the graduating class selected Ernest MacDonald of Lochaber, Nova Scotia, a graduate of the B.Sc.(Agr.) program in Agricultural Economics to present the Valedictory. A highlight of the ceremony was the presentation of two Governor General's Academic Medals, a silver and bronze. Claire Lousie Moxon received the Silver Medal for highest academic standing in a degree program while Shelley Lynn Crossman received the Bronze Medal for highest academic standing in a Diploma Program.

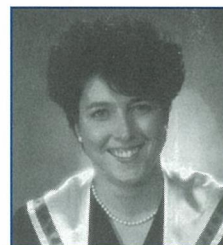
Other awards presented earlier included the Natural Sciences and Engineering Research Council Postgraduate Scholarships to Claire Moxon of Halifax and Daniel Tully of Truro; The Dr. Gerry W. Friars Undergraduate Research Award to Troy Boyd of Belmont; The Noel Enman Memorial Award to Velma Cann of Sydney, Nova Scotia, a technician graduate whose personality and fellowship have contributed to student life and activities and thereby gained the respect of students and faculty.

Silver Distinction Awards were presented to Joseph Howe of Moncton, New Brunswick and Deanna Schofield of Dartmouth, Nova Scotia. Distinction Medals are designed to express the College's acknowledgement and appreciation of those graduating students who devote their time, energy and talent to student affairs and athletics. The system is fashioned so that only those students who demonstrate strong character and superior ability in the intellectual endeavour and athletic achievement and who have definite qualities of leadership will receive these awards.

Other graduation activities featured a baccalaureate service, a tree planting ceremony and the graduation banquet and dance featuring East Coast Music Entertainers of the Year, Great Big Sea. ♪

NSAC Students... a Cut above the Rest

80 per cent of graduates find full-time employment



As more than 200 students graduate from the Nova Scotia Agricultural College during Convocation ceremonies May 3, 1996, 80 per cent

will continue their success in full-time positions. One such student is Nicole Allain.

"My hands-on experience at the AC has definitely been beneficial," explained Nicole Allain, 25, a B.Sc.(Agr.) graduate with a major in Plant Science. "I have been exposed to a full spectrum of experience."

Nicole, a transfer student from Mount Allison University and a native of Buctouche, New Brunswick, will begin a management position in March with the F.E. Everett Potato Seed Industry Farm in New Brunswick. Nicole will be responsible for Soil and Land Management, Crop Scout Management, Harvest Management and Marketing. The secret to her success?

"I started my job search early, before Christmas, and used a variety of contacts," explained Nicole. "I was referred to this position from someone I knew at the Rexton Research Station, where I worked last summer."

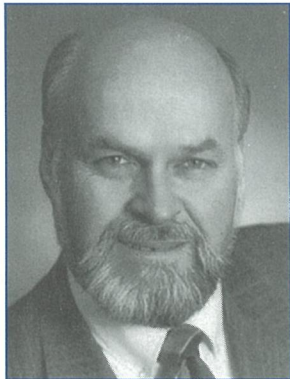
Nicole is just one of many students currently involved in the job search process at NSAC. Employers are recognizing the quality of graduates and subsequently job opportunities are rising; up 25 per cent over 1992 and 1993 and job postings at the Career Services Office are up 12.5 per cent over this same date last year.

"Job offers and confirmations are ahead of previous years as well," explained Brian Crouse, Assistant Dean, Career Services and Awards. "There have not only been more opportunities for our graduating students this year, but students have been receiving offers much earlier than usual."

A highlight this year is the success graduating students have experienced in

Continued on page 5

Message from the Principal



Les Haley

Les Haley, Class of '58
Principal

This is a most exciting time for the Nova Scotia Agricultural College and I am going to miss it greatly. However, I am also looking forward to the challenges inherent in my new role as Deputy Minister of Agriculture. Throughout my career path, I would say I have enjoyed my time at the College the most especially. I am so pleased with a variety of developments at the College, most especially our students, the quality of programming and our employment successes upon graduation; all endeavours to be proud of.

My role as Deputy Minister provides me new challenges and brings me back to my roots in agriculture. In this capacity I will continue to maintain the needs of the College as a priority especially in areas such as the rationalization of universities and the role the College will play. We also need to recognize the special relationship between the College and Industry, Agriculture and Agri-Food Canada and the Department of Agriculture and Marketing, which all contribute to the uniqueness of the College as an educational and research institution.

I hope to witness the continued growth and development of the College through working collaboratively with government and industry, which in turn will foster development of appropriate programming to meet emerging needs.

The expansion and development of the Research and Graduate Studies program has been another positive change. "Change" can be the word used to most aptly describe my time at NSAC. By grasping change and making it a positive atmosphere at the College, a lot has been and can be accomplished.

I have sincerely enjoyed my connection with the NSAC Alumni Association. I wish them much success as they continue to serve the needs of those who mean the most to the College; the students. As we both rise to meet new challenges and accomplish new goals, my alma mater will always be near and dear to my heart.

Good Luck ☺

Since the last edition of Alumni News, the Association has had the pleasure to welcome two hundred new members during the 1996 graduation banquet and Convocation ceremonies May 3rd. The Association extends congratulations to the largest graduating class in the 91-year history of the College.

Their youthful enthusiasm rekindles many memories of our own days spent at NSAC and Alumni Reunion Weekend is the perfect opportunity to return to Truro to renew old acquaintances and perhaps make new ones. A special invitation is extended to former students from class years ending in one and six. A new format for reunion activities has been established this year and requires less planning by the honour year presidents yet encourages more participation by members. The renovations to Cumming Hall are scheduled to be completed by reunion weekend as well, so we may be able to get our first peek at Alumni Hall. Plan to attend and enjoy your weekend.



Message from the President

Bernadette Alain

Bernadette Alain
President, NSAC Alumni Association
Class of '79

Dr. Les Haley's presence on campus has been greatly missed since he began his new position as Deputy Minister of Agriculture. We thank him for the immense support he has always provided the Alumni Association and wish him well.

The Association remains busy and several initiatives to note this year include the Alumni directory update coordinated

by Harris Publishing, the restoration of class composites and support of international student travel.

Please make special note of the membership survey contained in this issue. Your responses will enable us to continue to serve you better.

See you this summer! ☺



What's happening at NSAC

Campus News

I am quite amused by the question often asked of Registry staff 'Do you close down during the summer?' A number of times over the years people have wondered out loud what there would be to do in the Registry, now that the students are all gone.

The fact is, summer is one of the busiest times for the Registry. The admissions process which begins the previous December carries right on through the summer. During the early summer there is the preparation and mail out of hundreds of transcripts, organizing of supplementals, and preparation for the coming year. Perhaps the biggest part of that preparation is registering students in their courses, which is almost completely done by September 1.

This year a major effort is going towards putting the new telephone registration system in place and testing it. This is the primary responsibility of Darcy Welsh, the Registry Data Base Manager. Another very substantial task carried on during the summer is the preparation of the winter timetable. Then there are constant inquiries over the counter and by telephone, grade appeals, a constant string of academic issues to be dealt with and we each need to get a bit of a break so we tend to be short staffed for a good part of the summer.

So the answer to the question is, 'No the Registry doesn't close during the summer. In fact, to better serve our clients we've extended our hours,' and 'Yes, we do manage to keep busy.' ☺

Upcoming regional meetings

Regional or Chapter meetings will tentatively be held in the following areas: Prince Edward Island, November 1996, Moncton/Sussex - late summer, early Fall and Sydney/Baddeck. For further information or to become involved please contact the following Chapter Reps:

Moncton/Sussex

Jeff Everett Class of '82
Utopia U-Pick
R.R. #8 Moncton N.B.
E1C 8K2
(506) 384-7629

Aurele Gaudet Class of '56
151 Chartersville Road
Dieppe N.B.
E1A 1K3
(506) 852-4692

Prince Edward Island

David Rogers
37 Dunkirk Street
Charlottetown PEI
C1A 3Z7
(902) 894-9470

Cape Breton

Peg Cummings **Dr. Herb MacRae**
R.R. # 1 7 Hickman Drive
North Sydney Truro, Nova Scotia
Nova Scotia B2N 2Z2
B2A 3L7 (902) 895-3694
(902) 563-2000

Contest Date EXTENDED

Put your thinking caps back on! The deadline for entries for the renaming of Alumni News has been extended until October 15, 1996. The winner will be announced and the new name unveiled in our **January** issue..

Odds & Ends



The NSAC is looking to tickle some ivories. Requests are being made for the donation of good used pianos to the College. The pianos will be placed in the student dining hall and residences for use at student/residence functions and to help generate school spirit.

The Campus Bookstore and Aggie Outfitters will be amalgamating their operations this fall. Watch for the possibility of mail-order opportunities for College clothing.

NSAC frames and matting for your degree and diploma are now available at the NSAC Student Union. Please contact the Student Union office at (902)895-3963 for further information.

The AC Class Ring is still available at NSAC. For more information please contact Stephanie Brown. The Official Class ring has also been upgraded and is available for sale.

Remember...the folks from Harris Publishing will be calling all Alumni to update the current Alumni Directory. Please respond!

NSAC Student Union has placed \$20,000 in a fund as the first step toward the construction of a Student Union Building on campus. ☺

Attention: Alumni Ram Chargers & All former Varsity Soccer players

The Alumni Ram Chargers played a tie game against the NSAC Varsity team during competition in October 1995. Alumni soccer coordinator Carl Duivenvoorden vowed to return in 1996 with a squad that "won't be beat". Alumni that are up for the challenge should contact Carl to indicate their interest in a head-to-head match against the NSAC Varsity team. Please call Carl at the New Brunswick Potato Agency (506) 473-3036

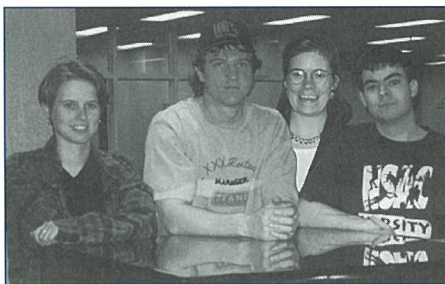
Saskatchewan Bound

Four students to participate in Ag-Challenge 1996

Four NSAC students brought top honours to the College at the 7th annual Ag-Challenge competition hosted by the College of Agriculture at the University of Saskatchewan.

Ag-Challenge is an academic competition involving top Canadian and American agriculture students exchanging ideas and striving to achieve higher levels of academic performance. The event is competitive and educational, encouraging integrated approaches to solving agricultural issues.


Students are marked on their performance in three categories, the debate challenge, the team challenge and an individual challenge. The team challenge emphasizes general knowledge, teamwork and the ability to think on one's feet. Participating this year from the NSAC



(L to R) Jennifer Craig, Derek Ashworth, Claire Moxon, and Andrew Sullivan represented the NSAC at the 7th Annual Ag-Challenge competition in Saskatchewan.

were fourth year students Andrew Sullivan, Claire Moxon and Jennifer Craig along with third year student Derek Ashworth.

Students had the opportunity to attend the Western Canadian Farm Progress Show, one of the largest agricultural shows in the world.


Ag-Challenge attracts approximately seven universities and 35 students each year to the competition. 

Teaching Excellence honoured at Convocation Ceremonies

The Nova Scotia Agricultural College views teaching as its central role and has taken justifiable pride in its many fine teachers. The Faculty Award and Technician Award for Achievement in




Ms. Anne Swan and Professor John Tait represent teaching excellence at the College.

Teaching, established in 1995, were presented at Convocation to encourage and recognize such excellence. Prof. John Tait and Ms. Anne Swan, respectively, were this year's recipients. 

"Cut Above the Rest" continued from page 2 accessing the hidden job market. Students have acquired jobs in British Columbia, Calgary, Toronto and all across Atlantic Canada. Employers for 1996 include equipment companies and companies in environmentally related businesses, crop scouting companies, chemical/fertilizer companies, golf courses and vet clinics.

The main reasons students give for attending the NSAC are, the number of job opportunities on graduation, the quality programming and the size of the school. "The quality and availability of facilities, equipment and instrumentation used in the instructional program at NSAC is truly exceptional and in fact, surpasses those at many major comprehensive universities in Canada and the USA," said an External Review Team at a site-visit in 1995.

The NSAC continues to grow in number and size. Enrolment at the NSAC has doubled over the past five years - a record enrolment of 946 full-time students for 1995-96. The increasing numbers come amid a long-predicted decline at universities. A target number of about 1000 students will be a realistic, long-term achievable goal for the College.

As for those students still seeking employment opportunities? "Keep at it and be persistent," stressed Crouse. "The jobs are there." 

Grads in the News

Kings Produce keeps growing

Vegetables shipped to grocers throughout the region and to the US

In 1984, six vegetable growers in the eastern part of Kings County decided to pool their marketing efforts calling themselves Kings Produce Ltd. The number of members has increased to eight and facilities have gone from a rented cooler and loading dock to 100,000 square feet of warehouse space, much of it refrigerated. The company supplies wholesalers for the major grocery store chains in the Atlantic provinces as well as customers in the United States.

"We've been trying to increase the credibility of local growers in the marketplace," says Kings Produce president Glenn Ells, Class of '53. And that has been accomplished by a number of innovations including the use of a liquid icing machine and vacuum cooler.

Suckling and Chase Celebrate Grand Opening in April

When the new owners of the Suckling and Chase Flower Shop took over Feb. 1, 1996, they decided not to change history and have retained a name that has stood in Truro for 116 years.

Mark and Yvette Hatcher, both with a background in the agriculture industry, are trying to preserve the history of the shop while at the same time slowly making improvements to the store.

"While continuing to cater to the current clientele, we would like to attract new customers," said Mark Hatcher, Class of '90. Part of the improvement is keeping business in the local area. "We have a concept of local business working with local businesses," he added.

Dairy farmers, other NS commodity producers strong in '95

One of the province's most productive dairy producers, Adrian Vermeulen, Class of '80 is so optimistic about the future of the dairy industry that he and his father Ben recently invested \$1 million on a state-of-the-art dairy barn.

"It features a milk parlor with an adjustable floor, a computerized feeding system and 220 large stalls with rubber

Top Quality Fur Worth Millions to Nova Scotia

by Dr. Kirsti Rouvinen, Chair in Fur Animal Research, NSAC



After several years of financial hardship the Nova Scotia Fur Industry is turning around and the recent pelt prices from international auctions have filled fur ranchers, including the Nova Scotia Agricultural College, with renewed optimism.

"In the current market situation, it is estimated that the 250,000 mink and 7,500 fox pelts produced in Nova Scotia will generate more than 15 million dollars at the farm gate in 1995-96," explained Dr. Kirsti Rouvinen, Chair in Fur Animal Research, NSAC. "This is five per cent of all farm cash receipts and represents new monies to the Nova Scotia economy."

The provincial fur industry, 80 per cent of which is located in Digby county, employs nearly 300 Nova Scotians. With increased demand for part-time labour during breeding, whelping and pelting seasons and spin offs in feed mixing, pelt processing, equipment manufacturing and construction, this number continues to grow.

NSAC Fur Unit established as Research and Teaching Lab

The Nova Scotia Fur Institute (NSFI), established in 1984, co-ordinates investigative studies on fur production throughout the province and evaluates

and demonstrates modern management practices in fur production. The institute also provides assistance to industry through educational and extension programs and development of projects at the farm level. To provide a laboratory resource for these programs the NSAC Fur Unit was established.

The provincial fur industry, 80 % of which is located in Digby county, employs nearly 300 Nova Scotians.

The fur industry has supported this effort financially and with in-kind contributions, including donations of breeding stock. It is managed by Ms. Merridy Rankin and

employs two full-time staff, fur technician Ms. Susan Penney and fur worker Ms. Mary Hamilton. Faculty representative for the unit is Dr. Kirsti Rouvinen.

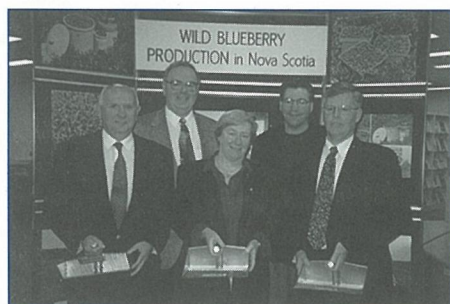
The NSFI supports research through annual grants and has coordinated the establishment of an industry funded research chair position for 1994-98. The NSFI also awards an annual scholarship of \$2,500 for a graduate student entering the M.Sc. program specializing in fur bearing animals. Due to cut backs in government funding, there will be more need to approach the industry for partnerships in research. With increasing worldwide competition, industry driven research will be crucial for the further technological and economical development of the fur sector in Nova Scotia.

The NSAC Fur Unit houses four species of fur bearing animals; mink, silver fox, Arctic fox and pine marten. The current herd size is 100 breeder females for mink, 45 breeder females for silver fox, 7 Arctic fox females and 6 pine marten females, and their mates. The main building provides office and lab space for research and teaching demonstrations in addition to a feed preparation area, freezer and cold storage, metabolism and balance trials rooms and lab space for animal handling and artificial insemination. Plans are also underway for equipment for pelting and pelt processing.

The Fur Unit provides the main teaching laboratory support to the Animal Science Technician and B.Sc.(Agr.) degree courses in Fur Production. Course enrolments include approximately 20 technician students and 15 B.Sc. students annually. During their Fur Unit laboratories and farm work hours the students are familiarized with the practical aspects of animal handling, anatomy, breeding work, feed preparation, herd health monitoring, farm management and live animal and pelt grading. These efforts will hopefully in time bring new entrants to the fur industry to carry on the tradition of producing top quality fur in Nova Scotia.

For further information on research activities being completed at the NSAC Fur Unit please contact Dr. Kirsti Rouvinen at (902) 893-6646. ☎

Industrial partnerships forged in Blueberry Research



Oxford Frozen Foods owner John Bragg (front left) Colleen Cameron, President of the Wild Blueberry Producers Association of Nova Scotia, research professor Dr. Leonard Eaton; (back) NSAC Interim Principal Dr. Bernie MacDonald and Biology Department Head Dr. Bruce Gray are heralding a new partnership which will make sustainable production of wild blueberries a reality in Nova Scotia.

An exciting new partnership in blueberry research was announced at the Nova Scotia Agricultural College in Truro. This pilot program brings industrial partners together who are interested in providing matching funds for research and development programs at the College. Together, these partners have successfully generated research funding of nearly one million dollars over three years.

Oxford Frozen Foods Ltd. Research Professor - Dr. Leonard Eaton

Mr. John Bragg, owner of Oxford Frozen Foods Ltd. is providing industrial funding for Dr. Leonard Eaton (NSAC) to conduct long-term research on the impacts of fertilization and weed control on wild blueberry production.

Wild Blueberry Research Professorship

A new research initiative has been launched with the generous support of Oxford Frozen Foods, the Wild Blueberry Producers Association of Nova Scotia and the Nova Scotia Department of Agriculture and Marketing to generate a \$60,000 per year program. These funds will hire a post-doctoral fellow to be located in the Department of Biology, NSAC, as an Industrial Research Professorship. This Ph.D. graduate will be designated to develop and establish a

new program in collaboration with other researchers in the field, including Dr. Eaton. The Nova Scotia Blueberry Institute will coordinate this.

The net effect of these two initiatives is to create an annual cash expenditure of \$120,000 per year for three years.

Wild Blueberry Research

Under the Matching Investment Initiative (MII) Program, the Kentville Research Centre of Agriculture and Agri-Food Canada has concurrently developed a series of collaborative blueberry research projects supported with both industry research dollars and matching Agriculture and Agri-Food Canada funds. MII support of \$60,000 plus in-kind contributions brings their total to nearly \$190,000. This is in addition to the Kentville Research Centre's ongoing commitment to blueberry research.

This industry/university/government partnership will generate over \$300,000 additional funds for blueberry research to be expended in Nova Scotia on this most important food crop. It will also bring together top notch multidisciplinary teams of researchers from across the province to help make the blueberry industry more competitive.

First Biannual Research Showcase held at NSAC

by Wendy Connors-Beckett

The first biannual Nova Scotia Agricultural College Research Showcase, held April 23, 1996, was well attended by the College community. Over 90 people attended sessions which featured research presentations, researcher profiles, a poster presentation and evening entertainment.

Dr. Ted Burnside, Vice Principal Academic, welcomed all participants and briefly discussed NSAC's research potential, highlighting research dollars awarded over the past five years and the relevance of the graduate programme to NSAC's research program.

The morning sessions highlighted NSAC's research infrastructure. Presentations focussed on NSAC's unique

facilities, such as the Ruminant Animal Centre, well-equipped laboratories and programs which complement and enhance research. The programs discussed included Biotechnology, Internationalization, Continuing Education and Aquaculture. In addition, the Rural Research Centre, the Crop Development Institute, the Atlantic Poultry Institute and the Blueberry Institute explained their research mandates and discussed recent research successes. Facility tours of Cox Institute, the Animal Science Building and the Ruminant Animal Centre were also held.

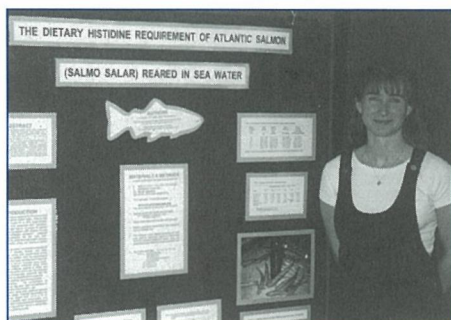
The afternoon's concurrent sessions featured research presentations with an emphasis on reporting research results. Researcher profiles by Drs. John Adsett, Phil Warman, Leslie MacLaren, Glenn Stratton and Yousef Papadopoulos were scheduled throughout the afternoon. These profiles identified, in brief, the varied and expansive experience and aspirations of each researcher thereby illustrating the fine research human resources available at NSAC.

Although lean on industry participants, this first Research Showcase was a great starting point from which to build for future showcases. Initial feedback from those who attended has confirmed that industry representatives, researchers, faculty and students see value in showcasing NSAC research successes and potential. "The day was a great and useful learning experience," commented Dale Cunningham, Head, Agricultural Engineering Department. "This was an excellent and very pleasant conference," noted Bruce Gray, Head, Biology Department, "and some of the research reported was truly excellent."

Special thanks to all participants and particularly to Dr. Les Haley, Deputy Minister, Department of Agriculture and Marketing, for his encouraging words following the evening's dinner. Further thanks deserve to be extended to the Research Showcase Sub-committee: Drs. Don Crober, Jerzy Nowak, Tarjei Tennessen and Prof. Glen Sampson who offered great advice and assistance in pulling the showcase together. As for the next showcase, the Research Office will make it a priority to maintain the quality of the first showcase with special emphasis on increasing industry participation.

It's a Fishy Business!

NSAC alumnus researching nutrition requirements of Atlantic salmon



Lisa Scott presented her research poster during the first Biannual Nova Scotia Agricultural College Research Showcase, held April 23, 1996

Everyone knows the importance of protein to a well-rounded, healthy diet. Lisa Scott, 23, a M.Sc. student is discovering the same is true for Atlantic salmon.

"There are 10 essential amino acids for fish just as there are for humans and most animals," explained Lisa. "Amino acids are a component of protein; the most expensive part of fish rations. This study should allow us to determine the requirements for Atlantic salmon, and thus prepare less expensive rations."

Aquaculture is a rapidly growing Canadian business and the focus of a new undergraduate program at the Nova Scotia Agricultural College. Although Atlantic salmon comprise a large percentage of the Atlantic Canadian mariculture harvest, relatively little is known about the essential amino acid requirements of this species. Information on these requirements is necessary before alternate sources of dietary protein, such as plant proteins, can be considered for formulation of more economical Atlantic salmon diets.


Histidine, a basic amino acid and methionine, a sulphur amino acid are two of ten essential for rapidly growing salmonids; the focus of Lisa's research. A native of Mt. Thom, Pictou County, Lisa began her Masters programme in May 1994 conducting growth trials at the Department of Fisheries and Oceans in Halifax under the supervision of Dr. Derek Anderson and Dr. Santosh Lall. The trials were nine and 12 weeks respectively.

"Focussing on two essential amino acids, I conducted growth trials on salmonids raised in sea water," she

explained. "With each trial, I measured growth and feed efficiency and completed some metabolic, blood and oxidation work. Hopefully, I will compile this information and determine one requirement for each amino acid."

Lisa hopes to finish in the fall of 1996 and will continue her studies in education at Mount Allison University and would like to eventually teach high school science.

"The aquaculture program at the AC is excellent and with the establishment of the new facility in the Fall should become leading edge," she said.

Lisa's research project received support and funding from the Department of Fisheries and Oceans and NSERC, The Natural Sciences and Engineering Research Council. 

"Grads in the News" continued from page 5

mattresses," Adrian said.

The barn, built with the help of a repayable loan from the province, is well ventilated and provides the animals with a lot of natural light. "Keeping the cows comfortable is critical and translates into increased production, which is our goal."

Business activity mushrooming

Leonard North, Class of 1985, owner of Valley Mushroom Company in Waterville, owns the only mushroom farm in the Annapolis Valley and one of only a couple in Nova Scotia. Since more than half of Canada's mushroom supply is grown in Ontario, he's counting on freshness and quality to expand his markets in the Maritimes.

Mr. North opened his farm over a year ago after working for several years as Maritime Marketing Director for Leaver Mushrooms of Ontario, Canada's largest mushroom grower.

"I wanted to get into a crop that was unique," the Canning native said. In the past year he has been able to slowly increase his market as he proves to wholesalers that he can provide a good quality, fresh product. His company can often pick mushrooms, ship them and have them on the supermarket counter the same day.

Things go better with Milk!

NSAC student receives first Maritime Dairy Industry Scholarship




Cape Breton native, Doris MacIntyre, a 24-year-old Animal Science graduate of the Nova Scotia Agricultural College, has

been awarded the first Maritime Dairy Industry Scholarship valued at \$5000. The award, which includes 15 weeks of employment within the dairy industry in the Maritimes, will complement Doris' thesis study.

"I feel very honoured to be receiving this award," said Doris, who is pursuing a Masters degree in Reproductive Physiology. The 15 week work-term will encompass 13 weeks conducting research at NSAC and two weeks job shadowing at various dairies throughout the Maritimes.

"The future of a successful and thriving dairy industry requires the hard work and talents of people from various disciplines such as agriculture, science and technology, commerce, economics and business, to name a few," explained Patricia Mock, Nutrition Manager, Milk Maritime Inc. "As a result, the various partners of the Maritime Dairy Industry established **The Maritime Dairy Industry Scholarship** in order to support the academic efforts of individuals, like Doris, who are committed to working to secure the future of a successful dairy industry."

Doris hopes her research proposal will help provide developmental information to help identify the reasons for embryonic failure in cattle and lead to the development of techniques that will reduce these losses. Products and techniques that will improve the reproductive efficiency in cattle can also be developed once key regulatory events have been identified. 

Mighty Mice may take up residence at NS College

Researchers hope to unlock genes' anti-aging secrets

by Brian Rau

The most valuable mice in the world could be coming to the Nova Scotia Agricultural College.

About 1200 of the rodents, dubbed the mighty mice because their lives are longer and their reproductive prowess is greater than any other strain, must vacate their digs in Ottawa.

And if two Californians and researchers at the NSAC have their way, the mice will be transferred to Nova Scotia and studied for ways to increase the longevity of humans and farm animals.

Agriculture Canada is closing its Centre for Food and Animal Research, where the mice now live. If a new home can't be found for the mice, they will be killed.

But University

of California professor Michael

Rose and Ralph Andrews, who owns a company that makes anti-aging products, want the mice kept alive so they can study their genes.

Agricultural College Principal Dr. Les Haley says negotiations are under way for a deal to allow Mr.

Andrew's company, MRX Biosciences, to study the mice at the College providing MRX

pays for their upkeep. If all goes according to plan, the mice will be transferred to the College in May.

The deal would allow College scientists to study the mice for agricultural purposes. "We are very interested in these mice and the lessons we can learn that are applicable to farm animals," Dr. Haley said. "The agricultural industry

would benefit, for example, if ways can be found to allow chickens to lay eggs and cows to produce milk for longer periods," he added.

The reproductive prowess of the mice makes them "without

question the most valuable mice in the world," added Mr. Andrews.

Parviz Sabour, the Agriculture Canada scientist in charge of the mice, said they're unique because they reproduce for a long time and produce a great number of offspring.

"It's kind of like postponing menopause at age 40 in humans to age 80," he explained.

Dr. Haley said studying the mice at the Agricultural College would offer researchers great potential in the reproductive area. "This strain of mice and the kind of things we're doing here could make us an international centre for breeding longevity in farm animals."

Donald Crober, head of the College's Animal Science Department, cautioned there are lots of details to be worked out before there's any deal

with the

proposed commercial

partner.

"The mice are ours, if we want them, but basically there isn't any way that we could accept them unless we have some independent means of funding their maintenance," he explained.


"It's not just a case of keeping them fed and watered.

There's an ongoing selection program

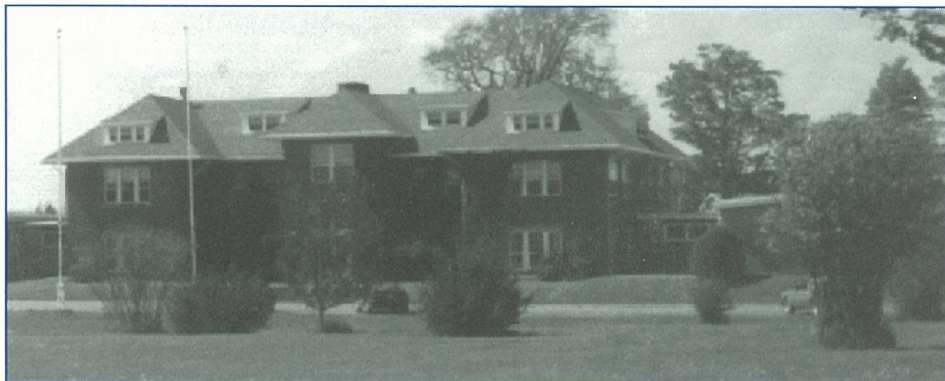
that requires a fair amount of professional input and a lot of technical support."

Small animals, including mice, are presently kept in the College's Boulden Building, but whether it's suitable for 1200 more mice and their offspring has yet to be determined.

Mr. Andrew's commented he'd spend \$2.5 million over five years in the Agricultural College's lab.

He predicts the anti-aging field will be the industry of the 21st century and believes research into mice genes could provide answers that will help humans live 600 years or older. 

NSAC acquires the Nova Scotia Youth Training Centre effective July 1, 1996



The Nova Scotia Agricultural College in cooperation with the Nova Scotia Department of Agriculture and Marketing will officially acquire the Nova Scotia Youth Training Centre effective July 1, 1996.

The near 60-hectare facility, including a woodlot and several fields, will be developed by the College through the collaborative efforts of Dr. Bernie MacDonald, Interim Principal; Steve Russell, Head Economics & Business; Rob Stevens, Dean of Student Services; Dr. Ted Burnside, Vice-Principal

Academic; George Burris, Manager, Development Program Section, NSDAM, and Allan Grant, Supervisor, Farm Business Management, NSDAM.


The team is currently developing a business plan to best allocate resources and develop facilities in the soon to be named "Atlantic Agri-Tech Park". The Park's main focus will be research & development from the initial conception stage to end-use products.

"We see this as a wonderful opportunity to bring commercialization to the collaborative research efforts of NSAC,

NSDAM and private/public partnerships," explained Dr. Bernie MacDonald. "As well, we will be providing physical space for small companies to develop research efforts into end-use products," he added.

The vast array of recreational facilities, including a swimming pool and gymnasium, will also be incorporated into the current athletic program in place at the College as well as for use by the local community. Further potential development in this area includes tennis courts and lawn bowling as time and resources permit. Current summer conference operations will also be expanded to a year-round facility incorporating the use of residences and meeting space.

"Ideally, this acquisition will allow more research from the College to be developed into business opportunities as well as to create employment opportunities for the province," said MacDonald.

The business plan is expected to be completed by late June with implementation to follow over the summer months. 

A Butcher, a Baker, a Policymaker....?



When he isn't number crunching during the day as Registrar at the Nova Scotia Agricultural College, Tom Dolhanty can

be found swinging a hammer or dipping a paint brush in his woodworking shop in Bible Hill.

"It's a stress reliever," he explained. "It's nice to do something physical," said Tom, a former carpenter who once operated his own construction company, following in his father's footsteps.

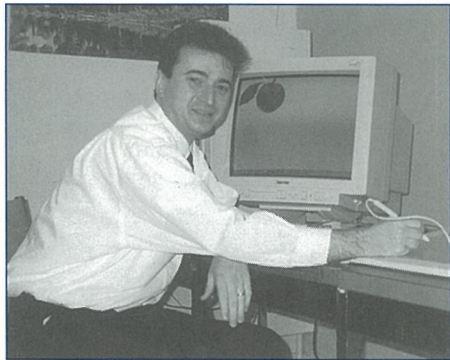
Originally from Nova Scotia, Tom returned to his home province after 30 years on the western front of Edmonton, Alberta and Victoria, British Columbia. Tom was formerly Registrar at Kings University College in Edmonton and a Budget Analyst for a variety of community colleges and provincial institutes in British Columbia. He also worked as a consultant to the BC Ministry of Universities and British Columbia Universities Council.

Today, Tom's carpentry skills are solely used for woodworking purposes and some of his work has appeared in various craft shows throughout the province.

Tom and his wife Dolores, who paints and does scroll saw work as well, enjoy spending time with their two Golden Retrievers, Sienna and Siscoe.

Centre for Continuing Education continues to grow

Jeff Zabudsky joins the professional staff at NSAC



Jeff Zabudsky demonstrates the new audiographics equipment now in place at the Continuing Education Centre.

The distance education capacity of the NSAC through the Centre for Continuing Education continues to grow with the addition of three videoconferencing units, two audiographics systems and a Distance Education Specialist. Jeff Zabudsky joined the professional staff on April 15, 1996 to take up this new position aimed at increasing the NSAC's ability to offer its courses throughout the Atlantic Region.

Mr. Zabudsky's initial objectives will be to put into place the College's videoconferencing and audiographics network and develop, in collaboration with both faculty and staff, distance education curricula for a number of pilot projects. "I am looking forward to some interesting challenges adapting NSAC's unique courses for distance delivery," he said.

Mr. Zabudsky has been working in the field of distance education for the past ten years, most notably with Open College and Ryerson Polytechnic University. At Open College he produced distance education courses which include a mix of delivery mechanisms including a telephone tutoring system, specially designed text-based course study guides, and an innovative "docu-lecture" audio and radio format. At Ryerson Polytechnic University he pioneered the development and delivery of courses using the Internet and featuring such innovations as on-line


registration, RealAudio sound clips, and electronically mediated student/teacher/student dialogue.

He also has experience in television and radio news and has an undergraduate degree in broadcast journalism. Mr. Zabudsky is currently completing his masters degree in distance education (by distance education of course) through Athabasca University.

Mr. Zabudsky has produced distance education programming in such areas as the environment, nutrition, gerontology, psychology, and ethnic relations. "One of the most interesting aspects of my job has been working with academics to design ways to make their courses, their particular expertise and their passion for their discipline available to a wider audience," Mr. Zabudsky said.

"From what I've seen so far at NSAC, people here deserve to be heard further afield," he added.

Once the initial "teaching at a distance" technologies and curricula are in place, Mr. Zabudsky is keen to broaden the College's capacity for distance delivery to include some key courses for independent, supported home study. These programs can be designed to provide the distance student a range of learning opportunities including video, audio, Internet and other learning support systems.

To demonstrate the need for this service, he cites the situation in which a number of students have come into the Continuing Education office and asked to enroll in particular courses this summer. Because of the teaching costs requiring a minimum enrollment level, the College hasn't been able to accommodate them. "With effectively designed and tutorially supported distance education courses we won't need to turn students away in the future," Zabudsky said. 

Carl Duivenvoorden was the winner of the NSAC ballcap for helping us to locate five of our Lost Sheep. This contest continues each issue. Thanks to everyone who helped us out.

First Research Excellence Award Presented




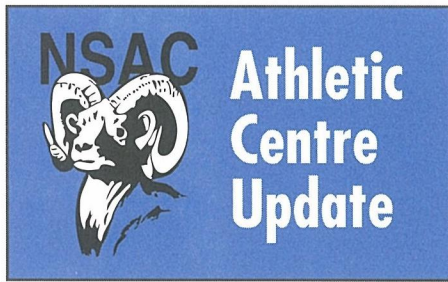
Dr. Jerzy Nowak, the first recipient of the Research Excellence Award.

The faculty of the Nova Scotia Agricultural College presented the first Research Excellence Award to Dr. Jerzy Nowak during Convocation ceremonies May 3, 1996.

Dr. Jerzy Nowak was born in Poland and studied in Poland and Germany. He became a member of the NSAC faculty in 1984 and is a professor in the Department of Plant Science. In making the presentation, Dr. E.B. Burnside, Vice - Principal Academic, stressed that Dr. Nowak conducts both basic and applied research and makes very broad contributions towards improvement of Atlantic agriculture.

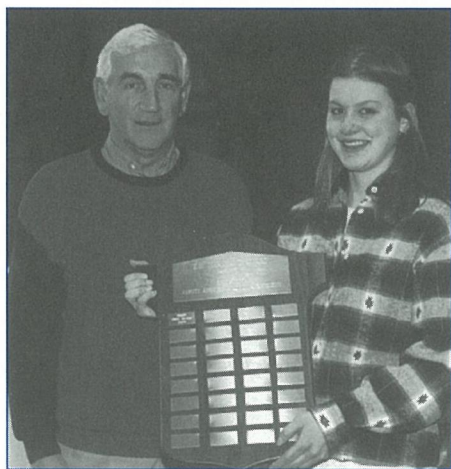
With more than 55 refereed scientific journal articles, Jerzy is internationally recognized as a leader in development of tissue culture technology for potato propagation and in searching for improved microbial inoculants for forage crops. His basic research focuses on plant physiology and relationship between plants and rhizobacteria in controlled environments.

Dr. Nowak is also making significant contributions in the field of molecular genetics of plant growth. In addition to his research output, Dr. Nowak is a highly qualified speaker and teacher and has directed or co-directed 18 graduate students in his career, including eight at the College. Currently, Dr. Nowak is giving strong leadership to the development of a major in the B.Sc.(Agr.) program in biotechnology. 

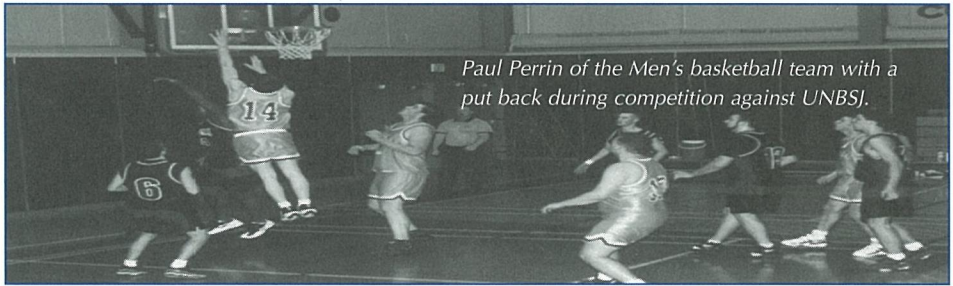


The 1995-96 athletic year was an exciting one with teams competing very well in both league and exhibition play. The year was extremely busy with the NSAC women's basketball team winning the ACAA Championships, the women's soccer team finishing first in the ACAA league play before losing a close one in the semifinals and five of seven teams participating in ACAA provincial play-offs. As well, the hockey team participated in the Truro Commercial Hockey League play-offs and the woodsmen had an exceptional year attending five meets.

The Langille Athletic Centre hosted two high school invitationals, NSAC invitationals and league tournaments, two ACAA championships and the CCAA Volleyball championships. There were a total of nine all-conference athletes from NSAC including Coach of the Year and the TCHL MVP and most improved awards. The initiation of the Varsity Club and the first time awarding of Academic Athlete Awards and the Marchant Award (the athlete with the top academic standing) topped off an exceptional year!



Ken Marchant, former Director of Athletics, presents inaugural recipient Ainsley Davidson with the Marchant Award. The award is presented to an athlete with the top academic standing.



Paul Perrin of the Men's basketball team with a put back during competition against UNBSJ.

Alumni Ram Chargers

Saturday, October 19, 1996, former varsity athletes will gather on campus to recall the glory days, to renew sporting friendships and to test their skills against the youngsters. The schedule for weekend activities includes:

Friday, Oct. 18

- 7 pm Volleyball - Men and Women
- 8 pm Hockey (may be Saturday depending on ice)
- 8:30 pm Badminton- Men and Women

Saturday Oct. 19

- 10 am Five and 10 km Oktoberfest Run from Langille Athletic Centre
- 1 pm Women's Basketball
- 1 pm Men's Soccer
- 3 pm Men's Basketball
- 3 pm Women's Soccer

The Varsity Lounge will be open for refreshments following each competition. The alumni listed below have agreed to be contacts for each sport and will be coordinating accompanying activities.

Highlights

- The Women's Soccer team was blessed with a good group of returnees and a very talented crop of rookies. They started very strong and played nine league games, without a loss, finishing the season 11-1. The first time a women's team from NSAC finished league play in the number one spot.

- The Men's Badminton team did very well during the year ending the schedule by sending the doubles team to CCAA Nationals. Chris Pasztor and Geoff Farrell did an excellent job representing NSAC at CCAA and were a part of the ACAA Team winning the Fair Play Award.

Volleyball

- Men Derek De Grass
(902) 895-9527
- Women Bernadette Allain
(902) 897-7319

Soccer

- Men Carl Duivenvoorden
(506) 473-3036 (w)
- Women Jean Baillie-Lynds
(902) 893-4735

Badminton

- John Suidgeest
(902) 758-3087

Basketball

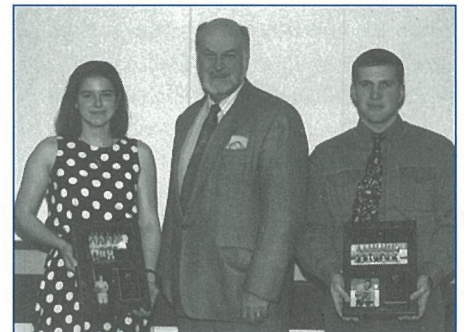
- Men Jeff Kay
(902) 893-2506
- Women Donna Noble-Brown
(902) 825-2796

Hockey

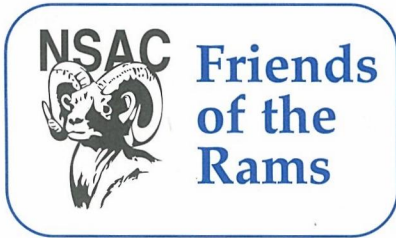
- Troy Baillie
(902) 485-5882

More information will be forwarded by mail in August or call Judy Smith, (902) 893-6661.

- Four Woodsmen teams represented NSAC in five meets with the best placing occurring at NSAC with two first place and two second place finishes.



Athletes of the Year: Keeli Smith of Kentville NS and Kevin MacPhee of Souris PEI pose with Principal Les Haley.



The NSAC Varsity Rams would like to extend an invitation to you to join the Varsity Club. You will receive a Club Card and membership in the Club will entitle you to entrance to all varsity home games (volleyball, basketball and badminton) excluding play-offs and National Championships, access to the newly renovated Rams' Lounge during varsity events, player profiles and periodic updates of team records/results, and social events. This

invitation is being offered to alumni, staff, retired staff and those people in the community who have shown an interest in the Rams in the past.

The 1996-97 schedule is not finalized, but will be forwarded to members as soon as possible. I hope you will join us in supporting the student-athletes for 1996-97.

Judy Smith, Athletic Director

Registration Form _____

Name:
 Yr. of Grad./Program:
 Address:
 Phone:
 Fax:
 Email:

Fees: \$25/Member
 \$15/ to add spouse/partner

Mail to:
 Judy Smith, Athletic Director

The NSAC Annual Fund...What does it all mean?

The Nova Scotia Agricultural College Annual Fund was initiated two years ago by the Principal to ensure support for College activities that could no longer be maintained, expanded or developed through traditional sources of funding.

The College, faced with serious restrictions on government's ability to maintain funding levels, hoped the Annual Fund would diminish the gap between government funding provided through annual operating grants and the resources required to ensure the College is able to respond to the needs of the agricultural and food industries in Atlantic Canada.

The Annual Fund, as its name suggests, seeks support and funding from College alumni, on an annual basis, for a variety of projects and student support. Some of the most important projects on campus are financed through the generous annual contributions of dedicated

alumni. Such projects include emergency student funding, scholarship and international support and the recently established graduate program.

The Annual Fund is implemented in the fall of

"I wanted to write a note thanking the Alumni Association for the support I received. I was very grateful for the financial assistance and wanted you to know it was greatly appreciated."

*Sandra D. Benin,
 Animal Science Technician*

each year with each campaign highlighting particular areas of need. While alumni are encouraged to support these needs, alumni can participate by supporting any fund or project that holds special appeal to them.

The Annual Fund was quite successful in its inaugural year, 1994-95, bringing in a total of nearly \$30,000. However, support has decreased dramatically in 1995-96. With the third campaign set to begin this Fall, alumni support is needed now more than ever.



The 1995-96 NSAC Rams ACAA Basketball Champions with Coach Jennifer Lloyd.

Remember, with your help, the AC will continue to grow and develop and we will continue to offer educational programs that provide students with the best opportunities to make their contributions to a rapidly changing world.

"I would like to thank you very much for your financial support and consideration. Once again thank you very much."

Owen Chitohwa

The Alumni Association provided \$500 in support of eight NSAC horticulture students participating in a

one-month study tour at Writtle College in England. The group participated in courses at Writtle and visited a number of garden sites throughout England. The tour provided tremendous value to the students and contributed greatly toward strengthening links between NSAC and our partner institution across the Atlantic.

Donors to Funds Managed by the Alumni Annual Fund (May 1995 - May 1996)

John Starratt	
Donald W. Cameron	'66
Mrs. Alice J. Lawrence	
Winston Langille (3)	'40
Robert W. Hanes	'49
K. Watson	
C.E. Henry	'47
Tom MacIntyre	'38



Class of 1956

MacNINTCH, Ted (via the Internet) It certainly is great to be able to communicate electronically and to be able to connect with other alumni registrants. I am looking forward to reunion this summer and the opportunity to renew old acquaintances. I miss Nova Scotia and I miss the warmth of its people.

Class of 1961

BISHOP, Bill Greetings to the Class of 1961. This is our year for a reunion. Hope to see "ya all" there. Greetings to all other alumni as well.

JESS, Allan I retired on March 29, 1996 from the Alberta Department of Public Works, Supply and Services after 30 years of service. I was Senior Project Manager of landscape development projects throughout Alberta. My wife, Margaret, and I will continue to reside in Sherwood Park, Alberta.

Class of 1965

STEAD, Phil has retired from government but not agriculture. Phil retired as Manager of Ruminant Animals for the Nova Scotia Department of Agriculture and Marketing at the end of April. Phil has begun a new job with the Nova Scotia Animal Breeders and CIAQ developing a new program in the province on the use of young sires.

MURRAY, Ralph officially retired from the Nova Scotia

Department of Agriculture and Marketing on June 1 as Berry Crops Specialist ending 30 years in the field of agriculture.

Class of 1968

UNDERHAY, Fulton S. Would very much like to attend homecoming, but being seasonally employed at two jobs does not allow for any spare time at that time of year. My employment is as a Night Auditor for Rodds' Brudenell River Resort and gardener for the INN Fortune, the only three star restaurant east of Montreal and one of ten in Canada. Have a good homecoming and keep up the good work.

Class of 1974

HAMILTON, Jim I am an NSAC graduate of the Plant Science Technician and Directed Studies Technologist (1978) programs. Following completion of a BBA at St. FX, 1987, I completed a Master of Science degree in Agricultural Economics at the University of Guelph (1990). Since graduation, I have been involved in international consulting work. I consulted at CIDA for three years prior to taking an assignment on the CIDA-funded Crop Diversification programme in Bangladesh. I am presently on contract with SNC Lavalin as the "Senior Project Economist" to provide a number of short term inputs for their CIDA-funded Northeast Regional Water Management project in Bangladesh.

BHOLA, Wayne Hello Class of '74. I would like to hear from Alumni classes '73-75. I am still working on campus.

Class of 1976

HUGHES, Becky is now Manager Spud Unit at the New Liskeard Agricultural Research Station in New Liskeard, Ontario.

Class of 1980

DONKIN, Dr. Shawn S. has joined the faculty of the Department of Animal Science at Purdue University. A Truro native, Shawn received his Associate in Agriculture from NSAC in 1980 and his B.Sc.(Agr.) from Macdonald College of McGill University in 1982. Shawn and his wife Moreen and their three children currently reside in West Lafayette, IN.

Class of 1984

PETERS, Sidney and Darlene (nee Steevens Class of 85) are pleased to announce the birth of their son Dylan Frank Peters on April 11, 1996.

Class of 1985

WALLACE, Brent and Anita (Rawding) are pleased to announce the birth of their daughter Martha Emily Wallace on January 3, 1995 weighing 8 lbs 9 ozs. Anita and Brent can be reached at R.R. # 2 Sussex N.B., EOE 1P0.

Stevenson, Darlene and her husband Sidney Peters are pleased to announce the birth of their son Dylan Frank Peters on April 11, 1996.

Class of 1987

PINKS, Clinton I graduated from the Bachelor Program in Plant Protection in 1987. I went on to complete a second undergraduate degree in Environmental Planning at the Nova Scotia College of Art and Design in 1989. I went west to the University of Manitoba where I enrolled in the Masters program for Landscape Architecture and will graduate in May 1996, where upon I shall cease with the academic life and hopefully begin a career in the profession of Landscape Architecture. It's been a long time since I first entered the doors of Cumming Hall and I look back with fond memories, perhaps the best of my academic life. I am very excited about the profession and feel

that my time at NSAC has provided me with a knowledge base that I constantly refer to. I like to believe that the progression in my academic life was a natural one and thank you for introducing it to me.

Class of 1989

ANDERSON, J. Stewart I have been here in Vancouver for four years now. I have completed my Ph.D. in Animal Nutrition and I am currently teaching a nutrition class at UBC. I still have many friends in the Animal Science Department at the AC. Hello to everyone!

PORTER, Alan and Jennifer (nee Picketts Class of 1990) are pleased to announce the birth of their daughter Ellen Jane born on May 18, 1996 weighing 9 lb., 5 ozs.

PRESCOTT, Terry and Heather (nee Steeves Class of 1989) of R.R. # 1 Bass River are pleased to announce the birth of their daughter May 2, 1996 weighing 5 lb., 11.5 ozs.

BUTLER, Alicia and her husband Tom Bowers are pleased to announce the birth of their son on April 7, 1996 weighing 8 lbs 9.5 ozs.

Class of 1990

RAWDING, Anita and her husband Brent Wallace are pleased to announce the birth of their daughter Martha Emily Wallace on January 3, 1995 weighing 8 lbs 9 ozs. Anita and Brent can be reached at R.R. # 2 Sussex N.B., EOE 1P0

PICKETTS, Jennifer and her husband Alan Porter are pleased to announce the birth of their daughter Ellen Jane born on May 18, 1996 weighing 9 lb., 5 oz.

Class of 1996

MUTO, Paul (M.Sc. 1996) and Julia Copper are pleased to announce the birth of their daughter born on May 10, 1996 weighing 7 lbs. 11.5 ozs. ☺

Alumni Update

...In Search of All Nova Scotia Agricultural College Alumni

Scotia Agricultural College Alumni



Have you ever tried to get in touch with an old classmate only to find out that the last address you have in your telephone directory is eight-years-old? Well, your troubles are over. Soon an impressive directory of our alumni will be available to help you locate all your old friends.

The new NSAC Alumni directory, scheduled for release in February/March 1997, will be the most up-to-date and complete reference on over 6626 NSAC alumni ever compiled! This comprehensive volume will include current name, address, and phone number, academic data, plus business information (if applicable) bound into a classic, library-quality edition.

The Alumni Association has contracted Bernard C. Harris Publishing Company to produce our directory and will soon begin researching and compiling information by mailing a questionnaire to each alumnus. This questionnaire is being sent to give every alumnus the opportunity to be accurately listed in the directory.

Please be sure to complete and return your directory questionnaire before the deadline requested.

At a later point in the project you will be contacted by Harris directly to verify that your personal data is absolutely correct. If you don't return your questionnaire, it is possible you may be inadvertently omitted or that the information on you will be incorrect.

The new NSAC Alumni directory will soon make finding an alumnus as easy as opening a book! Look for more details on this project in future issues. ☺

Alumni Gardens Development Project

A Wish List

Alumni Gardens, officially opened in 1986, is a project of the NSAC Alumni Association in cooperation with the Plant Industry Branch of the Nova Scotia Department of Agriculture and Marketing. The landscape elements throughout the two-acre site are selected demonstration species for teaching, extension and general display and are maintained by the NSAC Department of Plant Science. Appreciation is extended to all alumni who have supported the gardens financially and through the contribution of plant materials over the years.

John Higgins, along with the Department of Plant Science, is initiating an Alumni Gardens Development Project in order to further develop and expand the gardens and are looking to NSAC Alumni for support. Alumni interested in contributing financially or through the donation of bedding plants, construction of materials and so on are encouraged to do so as well. The Department of Continuing Education will use this project for short courses as well as regular projects during the academic year for Landscape Horticulture students.

Wish List

Remodelling of Gazebo	\$2000
Arbor	\$2500
Trees	\$2000
Shrubs	\$5000
Herbaceous Plants	\$2000
Japanese Garden Pond	\$2000
Roses	\$1000
Dwarf Conifers	\$3000
Japanese Lantern	\$500
Japanese Garden Bridge	\$500
Herb Garden Hedges	\$3000
Garden Art Pieces 2 @3000	\$6000
Entry structure 2 @ 1000	\$2000
Garden pond and fountain	\$2500
Garden benches 12 @ 250	\$3000
Boulders	\$2000
Walkways	\$5000
Small garden arbors 3 @ 500	\$1500
Patio	\$3000
TOTAL	\$48,500

Lost Sheep

(since Winter 1996 issue)

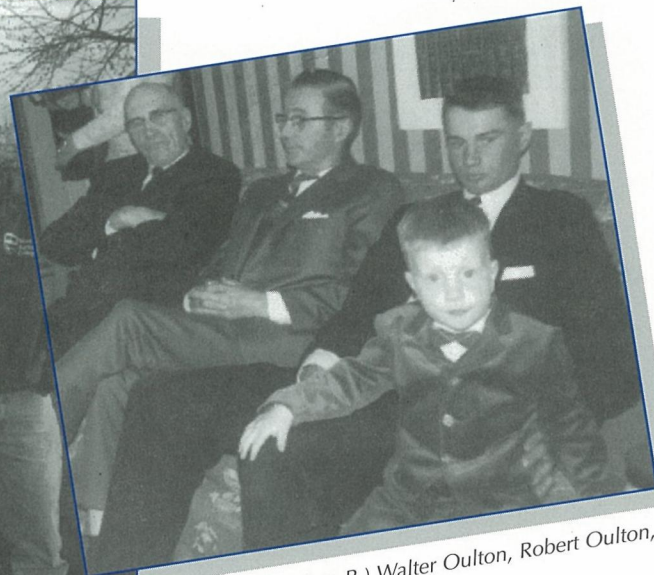
Garth Illsley	'65
Brian Watson	'73
Barbara Ann Topp-Nowen	'78
Heather J. Wyatt	'78
Brian Dale Patterson	'79
Carolyn Sue (Wright) Patterson	'78
Catherine Marie Deveau	'82
Francis John Vosman	'84
Gordon Harvey MacDonald	'84 & '87
Irene M. Joostema	'85
Ruth Marlain DeMone	'85
Linda van Vulpen	'92
Christina Helen Stewart	'94
Sylvester Thurston Lynch	'95
Carlton Lloyd Williams	'95

In Memoriam

Ross M. Burry	(Class of '41) January 26, 1996
Richard L. Cotton	(Class of '38) March 10, 1996
Starr F. Gertridge	(Class of '23)
Lloyd G. Hingley	(Class of '34) April 11, 1996
Aubrey Keith Linton	(Class of '71) February 26, 1996
George A. Macmillan	(Class of '32) January 29, 1996
John R. (Spike) McLean	(Class of '38) February 11, 1996
Howard Schurman	(Class of '16) July 18, 1995


A Family Affair!

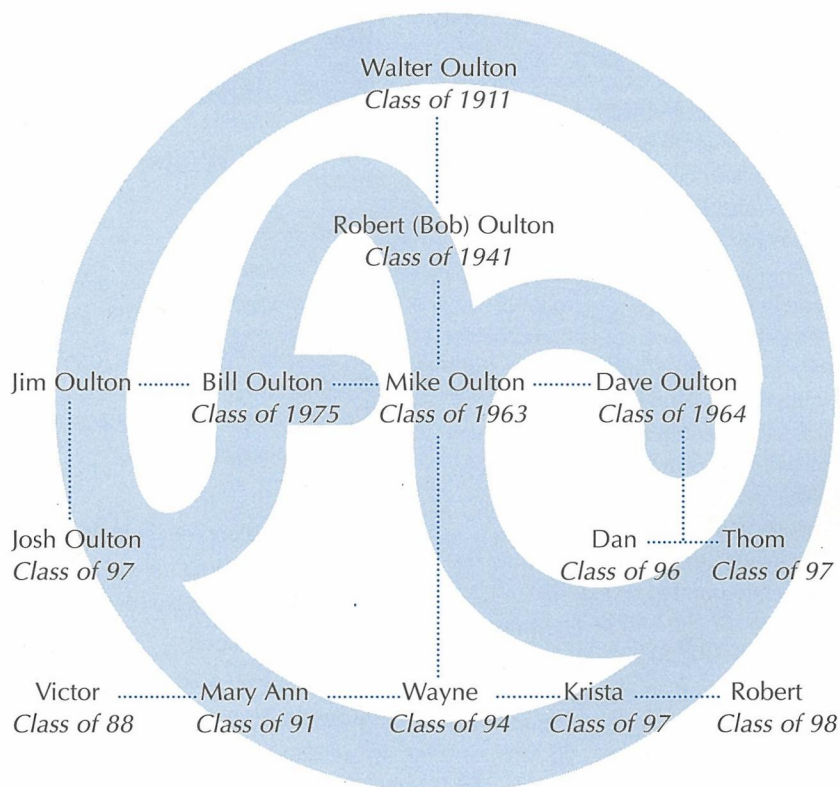
Four generations of the Oulton family attend NSAC

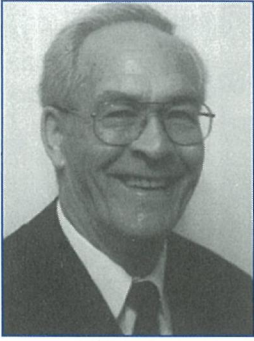


(Small photo L to R) Walter Oulton, Robert Oulton, Mike Oulton, Victor Oulton

*(Back L to R) Victor, Josh, Wayne, Mary Ann and Krista Oulton
(Front L to R) Mike, Bob, Robert, Dave and Dan Oulton. Missing from photo is Thom and Bill*

The Nova Scotia Agricultural College has become a family affair for the Oulton family in Martock, Nova Scotia. Walter Oulton began the tradition when he graduated with an agricultural diploma in 1911 and started the W.G. Oulton and Sons Ltd. farm. The tradition continued with his son Robert (Bob), the first purebred Charolais Beef farmer in the Maritimes. Four generations became complete with the graduation of Bob's son Mike and Mike's son Victor. And the tradition still continues today. Victor, Wayne and Mike continue to run the family farm while Dave owns and operates Char-vale Charolais Ltd., farm outside Windsor. Mary Ann is a 4-H Specialist in the Valley region while Josh is employed as a Dairy Herdsman at Glenrosa Farms Ltd. in Hants County. Bill is a Cattle Farrier throughout the province and Krista, Thom, Dan and Robert are currently enrolled at the College. 





Dr. J. Clifford McIsaac, DVM

The 1996 Distinguished Alumnus Award will be presented to Dr.

J. Clifford McIsaac, DVM. Dr. McIsaac was born in Prince Edward Island, August 30, 1930. He received his diploma from the Nova Scotia Agricultural College in 1950 and his DVM from the Ontario Veterinary College in 1955.

Business and Professional Career:

Dr. McIsaac owned and operated Unity Veterinary Clinic, in Unity, Saskatchewan from 1955 to 1964. During those years, he also established a commercial beef farm operation and a mobile feed milling company. From 1971 to 1980, he owned and operated Northwest Veterinary Clinic, North Battleford, Sask., a mixed practice with veterinary supplies. This was the first large animal clinic in Saskatchewan - a concept which has now spread across the Prairies. From 1972 - 1980 he operated Marcliff Ventures, a herd management consulting company.

Public Life:

In 1964, Dr. McIsaac was elected to the Legislative Assembly of the Province of Saskatchewan and was reelected in 1967 and 1971. He served as Parliamentary Secretary to the Minister of Agriculture; Minister-in-Charge, Public Service Commission, Saskatchewan Transport Co. and the Saskatchewan Research Council; Minister of Education and Minister of Municipal Affairs.

In 1974, Dr. McIsaac was elected Member of Parliament, Government of Canada for the Battleford-Kindersley riding. He served as Parliamentary Secretary to the Ministry of Transport and the department of regional and economic expansion and chaired the committee on Regional and Economic Expansion. He also served as member of the House of Commons Standing Committees on Agriculture, Transport, Regional Economic

Expansion and Management and Member Services. He also served as Chief Government Whip.

From 1981- 1991 he served as a member of the Canadian Dairy Commission. From 1991- 1996, he served as Chairman of the National Farm Products Marketing Council.

Other Activities

Dr. McIsaac served as member of school boards in Saskatchewan; a member of the Saskatchewan School Trustees Association; active on the committee which led to the establishment of the Western College of Veterinary Medicine; member of a wide range of cattle and farm organizations and veterinary medical associations, provincial and national.

Congratulations are extended to this most distinguished honouree.

Criteria for the Selection of Nominees for 1997

1. Nominees must be eligible for membership in the NSAC Alumni Association and have distinguished themselves in the field of agriculture or a related field and brought credit to the NSAC.

2. Nominees must have provided a good role model for the College and agriculture and made a significant contribution to agriculture through teaching, research, industry, extension or production or to society in general.

Please submit the name, address and phone number of your nominee to:

The Alumni Association Secretary
Box 550, Truro, N.S.
B2N 5E3

no later than March 30, 1997. Please attach a brief biographical sketch of the nominee clearly outlining the contributions which qualify him/her as a candidate for the Distinguished Alumnus Award. ☺

Chesley L. Lockhart	'48
Richard J. Huggard, Sr.	'56
Charles G. Embree	'61
Dr. James R. Wright	'37
Dr. Leslie E. Haley	'58
C.F. Marks	'57
Carol McDonald	'84
Christine D. Carroll	'85
Larry R. Brown	'66
Ernest A. Grant	'40
Dr. Ted MacNintch	'56
Glen D. Hebb	'79
R.D. Gilbert	'33
Helen R. Neilsen	'58
Gilbert W. Allen	'56
Darby Mullen	'85
Yvonne Thyssen-Post & Gerald Post	'79
Kenneth A. Holmes	'38
Frederick W. Coate	'51
David R. Bowlby	'57
Arlington Mair	'48
Ross Cox	'76
William Hanlon	'52
Julien LeBlanc	'69
Wayne MacLellan	'79
Harold Trask	'48
Craig & Geneve Newcombe	'86
Dave Matthews	'82
Thomas C. Chaisson	'33
Douglas E. Lousley	'66
Allen P.J. Shaw	'72
Brian H. DuPlessis	'71
Vernon C. Mingo	'76
Bernadette Alain	'79
Donald P. McInnes	'55
Aubrey Hutchison	'48
Ronald Fraser	'65
G. Roger Otley	'55
Dr.L.E. McQuinn	'47
Donald L. Craig	'45
Ronald Carr	'68
Mark Eyking	'80
Allen Jess	'61
Eric Bouffard	'51
Ross C. MacDonald	'48
C.S. Gilliatt	'41
Hudson LeMoine	'41
Peg Cummings	'87
William Lake	
D.C. Milligan	'42
Jennifer MacKenzie	'94
Paul Musial	'53
Harold A. Rogers	'43
Arsene Babineau	'82
John Hilchey	'41
H. William McKean	'61
Brian Newcombe	'92
Andrew Crouse	'80
Boyd Crouse	'78
Franklin R. Johnson	'50
Patricia Loder	'89
Dr. David B. Kennedy	'70
C. Lewis Ricketson	'51
Ralph C. Murray	'65
John MacDonnell	'86
Gloria Thyssen	'93
Neil Goring	'55
Blanche Kennedy Walker & Jim Walker	'84, '85
Carl Duivenvoorden	'83, '86
Norma Babineau	'81
Keith Russell	'46
Sherry E. Porter	'75
Timothy Delaney	'82, '85
Vincert Francis	'40
James K. Eaton	'93

Welcome back on
July 26 and 27 for
the Alumni Reunion
Weekend!

1996 Annual Reunion

A special invitation is
extended to honour
year classes ending in
one and six. This
reunion promises to be
one of the best so don't
miss a single thing.

Schedule of Events

Friday July 26, 1996

- 5:30 p.m. Alumni Director's Supper Meeting \$12.00
- 8:00 p.m. Registration Meet & Greet Class reunions (Riverview Room)

Saturday July 27, 1996

- 8:30 a.m. Breakfast at the Library. \$6.50
- 10:00 a.m. Alumni Association Annual General Meeting
- 11:30 a.m. BBQ at Jenkins Hall (Part of Open House celebrations)
- 1:30 - 2:30 Class Pictures
- 6:30 p.m. Reception (Riverview Room)
- 7:00 p.m. Alumni Banquet (Lobster or Steak) and Awards Presentation \$25.00
- 8:30 p.m. Variety Concert Alumni Theatre \$12.00

Weekend Package Rate \$45.00

Pre-Registration is a must! Only Variety Concert tickets will be made available at the event.

If you are unable to attend, please forward your greetings to classmates to Stephanie Brown at (902) 897-9399. These will be presented during Meet & Greet festivities Friday evening.

Don't miss a single thing!

First Ever!

Variety Concert!

featuring:

Celtic Colors

The HubTown Hams

Barry Johnstone

Be sure to come and stomp your feet to these and other great bands Saturday evening in Alumni Theatre. Master of Ceremonies: Mr. Jack Sibley
Giveaways! Prizes! Fun for everyone!
Book tickets in advance for guaranteed seating. Tickets will be sold at the door.

Dear Class of '56

This is a reunion year for us, in fact, it will be our 40 year class reunion! Can you believe it? We hope you will plan to be at the NSAC over the July 27th weekend to celebrate. More details on specific events to take place during the weekend will be mailed out soon. Let's make this reunion the biggest and best yet!

George MacKenzie, Secretary

Dear Class of '61

This is our year for Reunion! As we have no special events planned together as a Class, I am hoping everyone will attend the scheduled events throughout the weekend, especially the Meet & Greet reception Friday evening. This is an opportunity for classes to get together on an informal basis. Also keep in mind that as a Class we should try and take on a special project for NSAC. Five years ago we made a donation to the Library Fund. Please come to Alumni weekend with some great ideas! See you all there!

Jean Ward, Class Secretary

Library Display Planned

Open House in the MacRae Library this year will feature the inauguration and display of the "Zillig Sheep Fonds." The Fonds consist of documents, periodicals, books and artifacts collected by Mrs. Edith Zillig, in cooperation with her friends and colleagues among Nova Scotia sheep breeders and producers during the last six years. The Fonds offers an inclusive and intimate view of the Nova Scotia sheep industry and the interest and activities of Nova Scotia sheep producers during the last 50 years. Accompanying an exhibition of times from the Fonds will be a display of Maritime textiles - quilts, rugs and clothing, all made from wool. They are fine examples of traditional Maritime skills which continue to be practised by gifted contemporary artisans for use, pleasure and profit.

"Alumni Fund" continued from page 17

Carol Versteeg	'75
Jane MacLaurin	'89
G. Donald Palfrey	'47
Donald P. Tompkins	'40
Danny Davison	'94
Lorraine H. Allen	'81

Class of '54 Project

D. Graham Clark
Dr. Gordon A. MacEachern
Jack S. Eaton
Robert L. Parks
V.W. Sutherland
Robert T. MacLean

Campus Enrichment

John William MacLeod	'83, '87
Dr. Avar Ross Main	'40
Dr. Robert G. Ross	'47
C. Lewis Ricketson	'51
Harold Trask	'48

Brian Kelly Memorial

John William MacLeod	'83, '87
Gerrit & Marlene Groenenberg	'84, '85

Continued on page 19

History Project Begins

Dear Alumni Members,

I have started to compile information for a more complete history of NSAC. The plan is to prepare a manuscript for an illustrated history including the life of the College, the Provincial Demonstration Farm on which it was established and the former Schools of Horticulture and Agriculture that were merged in 1905.

I will certainly refer often to the earlier writings of Harvey MacPhee, Sean Smith and the late Dr. Kenneth Cox. My research will include reviewing archival records, documents, files, publications and interviews.

The College has now developed into a large and complex institution of regional, national and international significance. There is a large body of unorganized and undocumented history. This most recent history, together with the earlier writings and numerous pictures will portray the valuable and unique approach to agricultural education and research in this Atlantic region. We have a long and distinguished history.

You may be able to assist me on several points. I would like to receive additional pictures of events and student life, particularly during the first forty years. Perhaps the more senior alumni members have pictures or artifacts about activities in the earlier School of Agriculture in Truro or the School of Horticulture in Wolfville. For photo credit reference, please include your name and graduating year. A caption identifying the people, the event, location and time period would be appreciated.

I would appreciate human interest stories involving students and professors during all time periods. These will add appropriate personality to the more reference types of facts and dates about our past. Unused stories and pictures will be preserved in the NSAC Agricola Collections unless you specifically request that they be returned.

Former Principal Herb MacRae and Professor Peter Sanger, Head of the Department of Humanities, have agreed to assist me as co-operators and advisors. The N.S. Department of Agriculture and Marketing has given financial assistance. NSAC has agreed to give me access to all relevant files and records. Much of the present year will be spent collecting and

documenting information and pictures. The preparation of a final manuscript will then proceed.

You can send information at any time or bring it to the MacRae Library on NSAC Open House Day and Alumni Reunion, July 27.

Dale Ells, Class '59,
275 King Street, Truro, NS
B2N 3L7
Fax #: 902 893-2617
e-mail: dells@fox.nstn.ns.ca

Proposed Changes to the By-Laws

of the Nova Scotia Agricultural College Alumni Association

The following amendments to the NSAC Alumni Association by-laws are recommended by the Executive Committee.

Article 6

The following shall be admitted to membership in the Society:

(a) any person who has completed at least one academic year as a student at the Nova Scotia Agricultural College;

(b) any person who has received a degree, diploma or certificate for a postsecondary program with a residency of more than 15 weeks;

(c) any person who has been approved and designated by the Board of Directors as an associate member or honorary member;

(d) membership fees - The support of the organization will be through a one time life membership fee as set from time to time by the Board of Directors.

Article 12

At each ordinary or annual general meeting of the Society the following items of business shall be dealt with and shall be deemed to be ordinary business:

Minutes of preceding ordinary or Annual General Meeting;

Consideration of the report of the Directors;

Consideration of the financial statements including balance sheets and operating statement and the report of the auditors thereon;
Election of directors for the ensuing year;
Appointment of auditors.

For a copy of the complete Alumni Association By-Laws, please contact Sandra Murphy at (902) 893-6725.

(all statements in **bold** have been amended)

"Alumni Fund" continued from page 18

Edith Main Memorial

Dr. Avard Ross Main '40

Class of '44 Lectureship

Clara Galway

Parker Cox Library Trust Fund

Irene M. Joostema '85
Desmond Daniel Dolan '35
Donald Craig '45
Jim Fulton '45
Rhodes Hennigar '45
James Jamieson '45
Dave Morrison '45
Allan Saunders '45
Weldon Turner '48
Rod McDonah '45
Jim Card '45
John A. Morse '45
Charles R. & M. Jean Fox '43
George LaBelle '55

Class of '38 Library Trust Fund

Gordon L. Byers

C.A. Douglas Fund

Robie Nickerson '55
Jamie Mason '55
Lloyd Palmer '55
John Anderson '55
Enid Cooper '55
George LaBelle '55
David Piers '55
Les Blackburn '55
Allister Marshall '55
Maxwell King '50
Edna P. Douglas '65
Keith Douglas '65

Roy Stevenson Memorial Fund

Dr. Cliff McIsaac '50

Donald E. Clark Memorial Fund

Mrs. Barbara MacKay

Ralph Armstrong Memorial Bursary

Marven & Carole Armstrong
Peter & Marion Floris
Gerald & Ruth Schofield
Ella A. Armstrong

Alumni News Readership Survey

Directions: Please follow specific directions for completion of most questions. When none are given, check the most appropriate response. 1= Very dissatisfied, 2= Somewhat dissatisfied, 3= Neutral, 4= Somewhat satisfied, 5= Very satisfied, 6= Can't rate. Don't read

1. Based on your reading of the Alumni News, please indicate your level of satisfaction with each of the following items by circling the most appropriate response.

- A. Relevance of articles 1 2 3 4 5 6
- B. Usefulness of information provided 1 2 3 4 5 6
- C. Timeliness of content 1 2 3 4 5 6
- D. Overall quality of Alumni News 1 2 3 4 5 6
- E. Fosters interest in NSAC affairs 1 2 3 4 5 6

2. Have you ever submitted an update on yourself to Class Notes (Personals)?
Yes _____ No _____

3. Please give us your opinion regarding the nature and amount of content you would like to see in the Alumni News.

1= Less 2=Same 3=More 4=No Opinion

- Alumni Profiles/Features 1 2 3 4
- Campus News 1 2 3 4
- Class Notes (Personals) 1 2 3 4
- Faculty Appointments 1 2 3 4
- Academic Program News 1 2 3 4
- Funding issues 1 2 3 4
- Research Initiatives 1 2 3 4
- Other suggestions: (Please specify) _____

4. Are you interested in submitting news, articles or other information to the Alumni News?
Yes _____ No _____

5. In what one way can the Alumni News improve in meeting your needs as an AC alumnus?

6. What type of Reunion Weekend activities would be of interest to you and would encourage you to attend? Please check the most appropriate responses.

- Social Yes _____ No _____
- Professional Yes _____ No _____
- Program Reunion Yes _____ No _____
- Grad Year Reunion Yes _____ No _____
- Special Interest/Off-campus Tours Yes _____ No _____
- Have you attended reunion before? Yes _____ No _____
- Other Yes _____ No _____

7. Would you be interested in receiving information about the following subjects? (Please check as many as you wish.)

- A. Becoming an Area Alumni Rep Yes _____ No _____
- B. Creating a local Alumni Chapter Yes _____ No _____
- C. Submitting articles for Alumni News Yes _____ No _____
- D. Planned Giving & other donor programs Yes _____ No _____

*An alumni rep would be the contact for Area Alumni meetings and social functions for alumni living in their local area.

8. Do you have any suggestions for future graduates to profile in Alumni news?

9. Do you like the new format of Alumni News? Any comments or suggestions?

10. Do you receive the Alumni News on a regular basis? (published January and June)
Yes _____ No _____

11. Are you interested in receiving the NSAC Post in addition to Alumni News?
Yes _____ No _____

12. Are you actively participating in the Alumni Annual Fund?
Yes _____ No _____

13. If No, what would encourage your participation?

14. Are you a lifetime member of the NSAC Alumni Association?
Yes _____ No _____

14. Is there duplication of mailing in your household? Would one issue of Alumni news suffice? (Please indicate the duplication (ie) husband and wife both grads of AC.)

Demographic Information

Name _____

Address _____

Telephone: _____ Fax: _____

Degree program _____ Present Occupation _____

Other Comments _____

Thank you!

Please mail completed survey to Sandra Murphy c/o NSAC Alumni Association