



AGRICOLA NEWS

For the Alumni and Friends of the Nova Scotia Agricultural College

Summer 2002
Volume 26 Number 2

the Impact of
Climate Change
on the Agricultural Sector
in Atlantic Canada

Scientists have been aware of, and debating, the effects of human activity on our climate for decades.

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The Impact of Climate Change on the Agricultural Sector in Atlantic Canada

While public awareness of this issue has dramatically increased in recent years because of the political discussions revolving around the Kyoto protocol, scientists have been aware of, and debating, the effects of human activity on our climate for decades.

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Plans for a new poultry research facility at
NSAC are closer to reality.



The Development team is
concentrating on activities
that will support marketing
and recruitment, community
service as well as adminis-
tration and future funding.

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AGRICOLA NEWS

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Cover: A July weather system approaches the central
Annapolis Valley bringing with it warnings of hail and
high winds.



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A Message from the Principal



Fellow Alumni and Friends:

As we enjoy the warmth of summer, having already passed the equinox, I am increasingly aware that my final few months in this office are flying past. If all goes according to plan, I will be completing my term as Principal by the end of December. A search committee chaired by Peter Underwood, Deputy Minister of the Department of Agriculture and Fisheries, has been struck and consultants engaged to find the next Principal to the office in January.

It has been both a challenging and rewarding experience to serve as Principal of NSAC. We have encountered the challenges of a decline in the popularity of agriculture as a field of study, accompanied by the fiscal restraint of provincial governments and the decisions that go with this set of circumstances. At the same time, we have experienced the rewards of successful participation of our faculty in the federal strategy for research and innovation, gaining resources for the institution and providing a service to society. We have also experienced the satisfaction of graduating 1217 young professionals in the past six years sending them forth to apply their freshly acquired knowledge and skills in the world at large.

As we look ahead to next year, we are beginning to see results from our increased advertising and recruitment efforts. The number of admissions has been running slightly ahead of last year over the past several months, fueling our expectations of a turnaround in the enrollment trend for next year.

The person who has been responsible for our recruitment program, along with several other duties for the past several years, namely Tom Dolhanty, has served notice that he will be resigning from his position, effective December 31st. Tom, who has served as Dean Academic Services for the past three years, including his earlier role as Registrar, has spearheaded the recent push on recruitment to bring the enrollment up. We appreciate his contribution in all of these areas as well as in the rejuvenation of Continuing and Distance Education.

In order to maintain the momentum and continuity in enrollment management, we have assigned the responsibility to Brian Crouse. In addition to the new responsibility for recruitment, Brian will continue serving as Assistant Dean, Student Services, responsible for management of our scholarship program and the Career Services office. We appreciate his willingness to apply his knowledge and skills to this important task, made possible by the transfer of his previous alumni relations role to the Development and Alumni Relations Office.

The strategic plan, "Looking Outward - Embracing Change" has now been completed and is being printed for distribution to key stakeholders. As the next phase in the process, departments and other groups within NSAC are currently developing action plans to define how they will contribute to the realization of the College's goals. One of the action plans of the administration is to establish a regional advisory board to offer guidance and advice on future directions and to provide a stronger liaison with industry and the community at large.

In terms of physical development, we are eagerly seeking funding to proceed with the development of new poultry facilities (*see article in this issue*). The present buildings, constructed in the 1960s, are no

longer suitable for research and teaching and are not acceptable to the Canadian Council on Animal Care. We are delighted to have been awarded \$2.1 million toward this project by the Canada Foundation For Innovation. Another one million has been committed by the Government of Nova Scotia toward this \$5.3 million project, all of which is contingent upon raising the remaining \$2.1 million. We would welcome all donations to this project in order to realize this important development.

Finally, on a sad note, as many of you will know, we lost an illustrious alumnus, Principal Emeritus of NSAC and great friend to all in the person of Dr. Herb MacRae on June 24th. Dr. MacRae had gamely battled cancer for the past year and was looking ahead to the 50th class reunion as a 1952 graduate. We will remember him fondly for his warmth, wit and wisdom, as well as his great contribution to the development of NSAC during his 17 years as Principal. One of the areas suggested by the MacRae family for memorial donations was the MacRae Library Trust Fund.

Sincerely,

A handwritten signature in black ink that reads "Garth Coffin". The signature is written in a cursive style with a long horizontal line extending to the right.

Garth Coffin, Class of '60
Principal

A Message from the President



It was with great sadness that we learned of the passing of Dr. Herb MacRae on June 24, 2002, after a brave struggle with cancer.

Dr. MacRae touched the lives of many alumni. He was a warm, compassionate individual and was keenly interested in students. As Principal (1972-1989), he played a pivotal role in shaping the NSAC of today. His many contributions to the College community and the Atlantic and Canadian agricultural industries will live on. I know all alumni join in extending sincere condolences to his wife Mary and the MacRae family.

The NSACAA Board of Directors met in June and plans are underway for upcoming events. Homecoming Weekend is scheduled to take place October 18-19, presenting an excellent opportunity to renew acquaintances, showcase those alumni-athletic skills and see the ever-changing face of the NSAC. We will also build on the success of the past two years, where we have raised much-needed funds for the Student Emergency Fund through a 'Silent Auction'.

Of course, there is no need to wait until Fall to show your support for the College. The Alumni Association encourages all to consider contributing through the upcoming annual appeal. This support is crucial to the College and can be directed to any of a number of areas that you may wish to support. Please take a moment to consider how you may be able to help.

As many of you know, the term of Principal Garth Coffin is draw-

ing to a close. While we will sorry to see him leave, I am pleased to represent the Alumni Association on the Search Committee for a new Principal. The process of identifying potential candidates to fill these very large shoes is currently underway.

The Association continues to support the College in other ways. We were pleased to sponsor new benches to be placed in the Alumni Gardens this spring. I would encourage anyone visiting the Truro area this summer to drop by and see the gardens for yourself.

We would also appreciate your help in tracking down any lost sheep. If you know of any fellow alumni who may have recently moved or lost contact with the Association, please drop a line or log on to our website at www.nsac.ns.ca/alumni so that we can keep our database up to date.

I wish you the best for the summer and I look forward to seeing many of you during Homecoming Weekend.

Clint McLean, Class of '79
President
NSACAA

Around & About.....



Liz Crouse, Class of '78

Nova Scotian Elected Canadian 4-H President

One of Nova Scotia's own has been elected president of the Canadian 4-H Council. Elizabeth Crouse of Truro was sworn in on May 24 at the Council's annual meeting in Ottawa. Ms. Crouse is the manager of the 4-H and rural organizations division of Agriculture and Fisheries. She has extensive 4-H experience as a member and a former 4-H specialist. Her involvement at the national level has included serving as chair of the Canadian 4-H Council's public relations committee, extension committee and finance committee, as well as participating in many sub-committees and special initiatives. "This position will provide me with the opportunity to visit and learn from 4-H programs across Canada and share 4-H success stories from Nova Scotia," said Ms. Crouse. "It is an honour to have this responsibility as planning begins to mark the 90th anniversary of 4-H in Canada in 2003."

*Carla MacQuarrie,
Class of '95*

NSAC Grad Attends Trade Talks with the British Virgin Islands



Agriculture and Fisheries Minister Ernest Fage (Class of 1973) traveled to Tortola, British Virgin Islands in February with provincial industry leaders to explore trade opportunities and sign a Memorandum of Understanding. The

agreement will further foster the exchange of information, knowledge, experience and technologies on matters related to fisheries; will support public and private initiatives in the field of sustainable fisheries development in their respective jurisdictions and will support business affiliations in the fisheries sector. Carla MacQuarrie of PRAqua, was a member of the Nova Scotia delegation. Congratulations!

Vance Trudeau, Class of '80

University of Ottawa Young Researcher of the Year

Professor Vance Trudeau of the Department of Biology is the recipient of the 2002 Young Researcher of the Year award. The award, which includes a \$10,000 research grant, recognizes excellence and innovation by a young researcher.

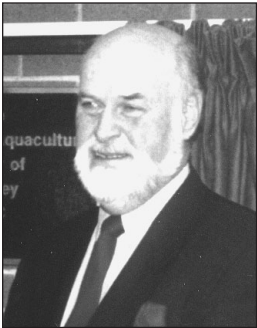
Vance Trudeau is known worldwide for his work in the neurobiology of reproduction and growth. He studies goldfish to understand the effects of sexual hormones on brain development. He focuses on differences between the functioning of the male and female brain. His research uses new techniques in environmental genomics.

Another of his research interests is endocrine disrupting chemicals. Common chemicals found in many household cleaners and some personal care products (like soap or shaving cream) could replicate the effects of sexual hormones and thus affect the development of frogs and turtles. Such industrial and domestic detergents released in the environment can disrupt the endocrine system and the hypothalamus, which is the part of the brain that controls development, growth, and reproduction.

"Goldfish, frogs and turtles are good models for this kind of research because their physiology and endocrine systems are similar to those of mammals, including humans," Dr. Trudeau says. "The work I'm pursuing with the help of student researchers will lead to a better understanding of the effects of some chemical agents on the development of the brain and the endocrine system of these animals. The effects we see in frogs, for example, begs the question of whether pollutants can also have similar adverse health effects in humans." Vance Trudeau is originally from Dartmouth, Nova Scotia. He started his career in the Department of Zoology at the University of Aberdeen, Scotland. He joined the University of Ottawa four years ago.



Photo credit: Robert Lacombe, University of Ottawa.



Dr. Les Haley, Class of '56

NSIA Distinguished Life Member Named

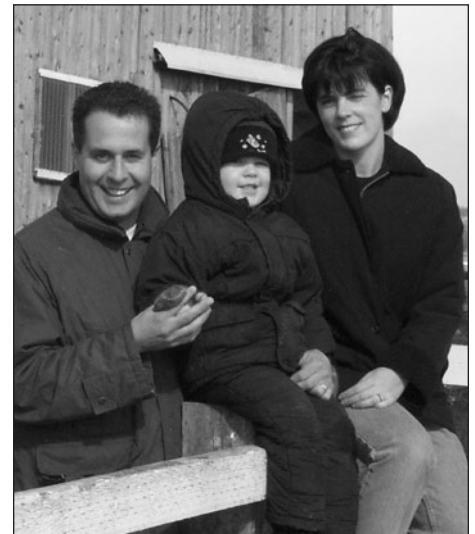
Leslie (Les) E. Haley was named Distinguished Life member at the annual NSIA Honours and Awards Banquet held April 18th at the Best Western Glengarry, Truro. Dr. Haley can be seen here receiving an honour from the NSAC on February 14th, as the NSAC Animal Science building was named the Haley Institute of Animal Science and Agriculture in recognition of a man who has used his education in agriculture to contribute to the development of science in the Animal Science and Aquaculture sectors. Les and his wife, Lorraine, live in Bible Hill and have two children, Elizabeth and Paul.

Jim Lorraine, Class of '90

Outstanding Young Farmer Award

This 33-year-old farmer and his wife Tricia were named Atlantic Canada's Outstanding Young Farmers of the Year and they're set to compete for the national title against six other couples next November in Toronto. Their success at farming is partially a matter of circumstance and diversification. The Lorraines farm beef, strawberries, blueberries, sunflowers and sweet corn. At the corner of the property the Lorraines built River Breeze Farmers market and started selling their own goods directly to the consumer. This summer the Lorraines expanded again with the construction of a greenhouse to grow flowers and vegetables. Apart from being good farmers, the Lorraines also have an extensive history of community involvement.

Jim Lorraine, his wife Tricia and son Nicholas, 3, stand at the fence of his Upper Onslow farm while Eryn, four months has a nap. The Lorraines have been named Atlantic Canada's Outstanding Young Farmers of the Year and head to Toronto in November to compete for the national title.



Kyla Pierik, Class of '92

Outstanding Young Agrologist 2002

Kyla was born in Berwick and grew up on the family farm in Windemere as the 4th generation. Kyla graduated from the NSAC with a Bachelor of Science in Agricultural Economics in 1992. She also earned a CRA Designation from the Appraisal Institute of Canada in 1995.

Kyla worked for the Farm Credit Corporation in Charlottetown and in Kentville as a Credit Advisor from 1992 to 1999. Since January, 2000, she has been owner and the manager of the Apple Berry Farm Market in Bridgewater. Her husband David is a shareholder in the Market and together they have also been part-time farmers since 1997. Apple Berry Farm Market is a family business that started as a boyhood dream of Allison Woodworth (Class of 1963) Allison and Ronald, Kyla's parents, first opened the Market in 1983 and through innovative marketing, the Market has been very successful.

Part of Kyla's success in managing Apple Berry's business is her brilliance in combining consumer education on one hand, with product development on the other. Her leadership is evident in the dedication, expertise, and professionalism of Apple Berry staff to effectively serve loyal customers while providing an agricultural awareness and educational experience.

Through Kyla's leadership Apple Berry has recently been awarded several honours and nominations. Recently, these include: in

Continued on page 25





Trinkie and Garth Coffin

**Garth Coffin,
Class of '60**

**NSIA Distinguished
Agrologist Named**

Dr. Garth Coffin was named Distinguished Agrologist at the annual NSIA Honours and Awards Banquet held April 18th at the Best Western Glengarry, Truro.

A native of Mount Stewart, Prince Edward Island, Garth Coffin graduated from the

NSAC in 1960, received his B.Sc.(Agr.) specializing in Agricultural Economics in 1962 from Macdonald College of McGill University, his M.Sc and Ph.D from University of Connecticut, both in Agricultural Economics.

Garth held a variety of positions including Marketing analyst with the Government of Prince Edward Island Natural Products Marketing Research Centre.; Director of Economic Research and Secretary to the Canadian Livestock Feed Board in Montreal Quebec, before returning to McGill University in 1979 where he spent the next 17 years of his career rising to the position of Acting Dean, Faculty of Agricultural and Environmental Sciences. Throughout his career Garth has been active in research having authored or co-authored 66 scientific papers and information articles.

During his 17 years with McGill University, Garth supervised 13 graduate students, was elected president of the Canadian Agricultural Economics and Farm Management Society, and served in a variety of professional capacities external to the university including Public Governor, Winnipeg Commodity Exchange; Chairman of the Canada Expert Committee on Agriculture Marketing and Trade; member and Councillor of the Canadian Institute of International Affairs; President Canadian Agricultural Economics and Farm Management Society. He was named Fellow of the Canadian Agricultural Economics and Farm Management Society in 1992.

While on Sabbatic leave from McGill, Garth served as a consultant to the World Bank/CIDA on a short term mission to review progress on a major irrigation rehabilitation project in Sri Lanka in 1987. He also performed a preliminary assessment of the feasibility of crop diversification.

Garth returned once again to the Maritimes in 1997 to become Principal of the Nova Scotia Agricultural College. Garth remains active in a variety of capacities both internally and externally including Director of the Agricultural Development Institute, President of the Agricultural Institute of Canada, Member of Dalhousie University Senate, Board of Directors Agri-TECH Park, Director Management Board Nova Universities Technology Inc and Chairman of the Board, Performance Genomics Inc.

Garth is an active Rotarian and a member of the St. Andrew's United Church Choir and he and his wife Trinkie live in Truro and have three children, Judy, Brian and Patricia.

Rosaria Campbell, Class of '83

Alumnus Wins Fiddlehead Award

Rosaria Campbell in the Department of Plant and Animal Sciences at the Nova Scotia Agricultural College recently won first place in a literary contest sponsored by Fiddlehead, a literary journal published out of the University of New Brunswick in Fredericton.



Rosaria Campbell

Rosaria won the Fiddlehead Fiction Prize for

her short story entitled 'Reaching' which details the relationship between a man and his son working in a meat-packing plant.

The Fiddlehead, published four times a year, featured Rosaria's prize winning story in the Spring 2002 issue. Rosaria plans to use the cash award to attend some writing workshops. Rosaria has been writing for a few years and has studied English and creative writing at St. Mary's University. Although Rosaria has been published before in technical journals for her science-related work this is the first time she has been published in a literary publication.

Congratulations Rosaria!

Daniel Scothorn, Class of '97

ADI Hires New Livestock Specialist



**Agricultural
Development
Institute**

An additional specialist will be available for livestock producers as of August 1, 2002. The Agricultural Development Institute announced that Daniel Scothorn will join its specialist team as a Ruminant Livestock

Specialist working with such sectors as dairy, beef and sheep. Daniel's skills and strengths include developing ruminant nutrition programs, grazing systems, extension services, training, business and farm management, promotion and oral and written communication. Daniel is currently the only Canadian of 100 participants in the Young Dairy Leaders Institute (YDLI) offered by the United States Holstein Foundation. YDLI is a national leadership and communications skills development program for agricultural leaders aged 22-45. ADI's current livestock team includes Sean Firth, Ruminant Livestock Specialist, Nicholas Odongo, Livestock Resources Co-ordinator, and Nadine Funk and Alex Oderkirk as Non-Ruminant Livestock specialists. These specialists work closely with Bill Thomas, Forage Management Specialist, and Jack vanRoestel, Field Crops Specialist, who also provide support and assistance to the livestock industry.

Shawn Donkin, Class of '80

NSAC Grad Receives Promotion

Shawn S. Donkin, PhD., son of Sherman Donkin and the late Catherine Donkin of Salmon River, Nova Scotia was recently promoted with tenure to the rank of Associate Professor of Animal Sciences at Purdue University West Lafayette, In.

Dr. Donkin is a graduate of the NSAC, Macdonald College of McGill University (1982) The Pennsylvania State University (1987) and the University of Wisconsin-Madison (1992) Dr. Donkin's research focuses on finding ways to improve the nutrition of dairy cows during the period immediately around calving and on developing an understanding of the genes that control nutrient use.

H. Douglas Goff, Class of '80

Smoother Ice Cream from Winter Wheat

It may be one of the most complex foods we eat - a combination of foam and emulsion whipped into a delicious web of fat, sparkling ice crystals, air bubbles and a syrupy sugar solution. The technical name for this ethereal mix? Ice cream. And the scientists who study it now say they may have a way to make it better.

The problem with making ice cream is keeping the ice crystals small. When ice cream is stored, the crystals grow larger, giving it a rougher texture. H. Douglas Goff, whose lab at the University of Guelph in Ontario is mostly dedicated to the science of ice cream says adding winter wheat proteins can keep ice cream smooth and creamy longer. Winter wheat sprouts in the fall and contains proteins that protect it from ice and cold during the winter. When Goff and his colleagues put the proteins in ice cream, they found that the ice crystals remained small. These proteins have a fantastic effect says Goff. "Ice cream comes out very smooth and tends to stay that way" Several of Goff's colleagues have formed a company, Ice Biotech, to commercialize the research.

Jim Austin, Class of '69

NSIA Farm Family of the Year 2002



Jim Austin grew up on his father's farm in the community of Skye Glen, Inverness County. During that time he developed his keen interest in agriculture. He attended the Nova Scotia Agricultural College, graduating in 1969 with a diploma in Agriculture Business. It was during his College years that a young lady by the name of Ferne Hare caught Jim's eye. Ferne, from North Sydney, was attending the Nova Scotia Teachers College. The year he graduated Jim & Ferne were married. Ferne completed her studies and graduated with a teaching diploma in 1970.

It was also during 1970 that Jim and his brother Darryl took over the family farm, which had been operated by their father since the 1950's. Together they built the milking herd up to 89 cows. In 1989 Jim and Darryl left their partnership to each farm on their own. Since that time Jim and Ferne along with their five children have been operating Elmbrook Farms. Today they milk 40 registered holsteins and crop 90 hectares of hay land, 60 hectares of pasture and have 300 hectares of woodland. The farm also has a couple of acres of raspberries. Most recently the Austin's completed rebuilding their dairy barn after the roof collapsed due to heavy snow loads from the winter of 2002.

In 1992 the family decided to open a farm market. Diversifying into the new busi-

ness has been very rewarding and as Jim put it 'one of the best things they ever did'. Their market 'The Farmers Daughter' is located in Whycomomagh, just a short distance from the farm and on the TransCanada Highway. Ferne manages the market, which has expanded twice since it opened and now features a bakery, ice cream, bedding plants and transplants, vegetables, a KFC Outlet, Deli and an expanded gift and craft area. Through the market the Austins promote and support local producers by buying strawberries, blueberries, raspberries, lettuce and root vegetables from farms on Cape Breton.

Along with their busy lives at the farm and market, both Jim and Ferne have also been active in their community. Both have been 4-H leaders. Jim was president of the Inverness Victoria Federation of Agriculture for 16 years, as well as being on the executive of the Nova Scotia Federation of Agriculture, serving one year as president. He was on the board of directors of the Eastern Dairyfoods, serving three years as President and then served many years on the Board of Scotsburn Milk Producers, serving three years there as president. Jim also served on the NS Milk Producers Board and was President for two years.

Currently Jim is president of the Whycomomagh Development Commission and is a board member of 'L'ARCHE', an

Continued on page 27

The Impact of Climate Change on the Agricultural Sector in Atlantic Canada

by David Burton, NSAC Research Chair in Climate Change



While public awareness of this issue has dramatically increased in recent years because of the political discussions revolving around the Kyoto protocol, scientists have been aware of, and debating, the effects of human activity on our climate for decades.

Last October I was appointed as the Climate Change Research Chair at the Nova Scotia Agricultural College. Having grown up in the Annapolis Valley, I was pleased to be able to return to Nova Scotia to pursue this research area. My background is in soil science and the influence of environmental conditions on soil organisms. Before coming to NSAC I was an Associate Professor in the Department of Soil Science at the University of Manitoba. I was involved in many provincial and national committees on environmental issues in agriculture including climate change. For me, the move from Winnipeg is definitely a change in climate.

Recently we have heard a great deal about global warming and climate change. While public awareness of this issue has dramatically increased in recent years because of the political discussions revolving around the Kyoto protocol, scientists have been aware of, and debating, the effects of human activity on our climate for decades. Over one hundred years ago John

Tyndall, an Irish scientific 'jack-of-all-trades', first suggested that the changing carbon dioxide content of the atmosphere might result in a change in our climate. Since that time there has been active debate as to the extent to which human activities are changing the composition of our atmosphere and what the implications might be for our climate. Over the past several years the Intergovernmental Panel on Climate Change, an assembly of over one hundred of the world's leading atmospheric scientists, has focused on this debate and has concluded that there is a discernible human influence on global climate and that most of the warming observed over the last 50 years is attributable to human activities.

What might a changing climate mean for Atlantic Canada? What do we know for certain? The climate will be warmer, or colder, wetter or drier, but predicting the future with certainty still only happens in the movies. In reality, our predictions of future climate rely on the output of computer models of the planet's

atmosphere (referred to as General Circulation Models (GCMs)). These models are necessarily very complex and predict climate patterns on a very large scale. Canadian scientists are responsible for one of the most highly regarded GCMs in the world. This model predicts that the future climate for Atlantic Canada will be, on average, warmer and, on average, wetter. It's important to note that these are pre-

dictions of the average climate. Current understanding of climate change predicts a much more variable climate, with more extreme events such as more intense rain events, more frequent droughts, more extreme temperature variations. Thus, while the forecast is for warmer and a bit wetter, there will also be a greater range of weather events that we will have to address.

Current understanding of climate change predicts a much more variable climate, with more extreme events such as more intense rain events, more frequent droughts, more extreme temperature variations.

Whether we ratify the Kyoto Accord or not, all parties involved in this debate acknowledge that we have to turn our attention to reducing or greenhouse gas emissions. The debate is only by how much and over what time frame.

Why is the increase in 'greenhouse gases' such as carbon dioxide causing a general warming in the climate? These gases cause our atmosphere to retain more of the heat transmitted from the sun and therefore warm the planet; in the same way the glass in a greenhouse allows it to retain more of the sun's energy. This is a good thing. Without the influence of greenhouse gases like carbon dioxide our world would be much colder and not likely support life. The problem is that our emissions of greenhouse gases have been so great over the past century that we have significantly increased the heat trapping capacity of our atmosphere and so our 'greenhouse' is getting warmer. There is much debate as to the magnitude and consequences of this warming, but few argue that it is not occurring.

Without the influence of greenhouse gases like carbon dioxide our world would be much colder and not likely support life

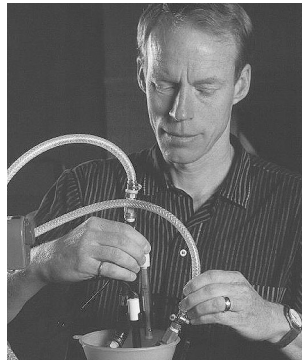
In 1992, at the Earth Summit in Rio de Janeiro, the international community agreed that we must address the issue of

greenhouse gas accumulation in our atmosphere. As a result of the negotiations that have occurred since that time the Kyoto Protocol represents an attempt to obtain international agreement on a means to reduce our greenhouse gas emissions. Currently Canada is debating whether or not to ratify the Kyoto Accord. This accord commits Canada to reducing its greenhouse gas emissions between 2008 and 2012 to 6 per cent less than our 1990 emission levels. By 2008 we will have increased our emissions significantly from 1990 levels and thus the magnitude of reduction we will have to achieve will be more like 30 per cent. Currently the ratification of Kyoto is an intense political debate that is focused more on the economic issues than environmental. Whether we ratify the Kyoto Accord or not, all parties involved in this debate acknowledge that we have to turn our attention to reducing our greenhouse gas emissions. The debate is only by how much and over what time frame.

Mitigation

In agriculture our major greenhouse gas emissions are the result of nitrous oxide and methane emissions associated with nutrient and animal manure management and the production of methane by cattle. At NSAC we are examining the ability of various nutrient management systems, animal feeding systems, manure management systems to reduce greenhouse gas emissions. To ensure that these solutions are acceptable to the producer we are attempting to capitalize on potential win-win opportunities. For example, management strategies that reduce greenhouse gas emissions also result in increased fertilizer use efficiency and reduced impact on surface and ground water. Similarly some of the feeding strategies that reduce methane emissions result in improved weight gain and greater profit for the producer. We are seeking solutions that enhance the economic return to the producer while reducing greenhouse gas emissions.

At NSAC we are examining the ability of various nutrient management systems, animal feeding systems, manure management systems to reduce greenhouse gas emissions.



tillage or alternating cropping practices, we may be able to increase soil organic matter content while maintaining or improving soil productivity.

Another interesting opportunity for agriculture is the potential for getting credit for the storage of carbon in soil. Increasing soil organic matter content is an important way of improving soil quality. It increases the soil's capacity to store water, improves soil fertility and reduces the soil's susceptibility to erosion. By implementing practices such as reduced

Adaptation

Agriculture must deal with climate as it comes. Therefore we have to assess how we have to adapt the way we farm in Atlantic Canada to a changing climate. For some regions of the world the predictions are bleak, with significantly warmer temperatures and greater frequency of drought. The models suggest that Atlantic Canada might be more fortunate. A study

At NSAC we are attempting to quantify the economic impacts of past climatic events on crop production and determine whether those events are more or less frequent in the future climate scenarios being developed.



Lindsey Bellefontaine and Mellissa Adaire measure greenhouse gas emissions from potato production systems at the Charlottetown Research Station. The project is in cooperation with John MacLeod.

conducted by Agriculture and Agri-Food Canada suggests that our agricultural climate might become more like that of Southern Ontario. The implications might include greater amounts of our cropland being devoted to corn and soybeans and a net increase in revenues as a result. But we also have to remember there is the predicted increase in variability of climate. So we may also experience

more unpredictable growing conditions and a change in the kinds of pests attacking our crops. The economic risks associated with climatic impacts on agricultural production may increase significantly. At NSAC we are attempting to quantify the economic impacts of past climatic events on crop production

and determine whether those events are more or less frequent in the future climate scenarios being developed.

How will producers deal with these risks? A wide range of adaptive measures might be considered. Program-based approaches like an enhanced crop insurance program might be considered. Alternatively greater effort may be made to enhance water management opportunities so drainage and irrigation could be used to deal with extremes in precipitation. To understand how our agricultural sector should respond we have to examine the options, consider the economic and environmental implications and take these issues to the farming community for discussion.

NSAC has an active research program assessing how Atlantic agriculture can mitigate its greenhouse gas emissions and adapt to a changing climate. Together with the agricultural farm community we are contributing to the economic and environmental sustainability of agriculture in Atlantic Canada.

New Climate Chair Hired

NSAC has hired a new faculty member to actively research methods to reduce greenhouse gas emissions, as well as adapt currently accepted agricultural practices to changing climatic conditions.

Dr. David Burton, former Acting Head of the Department of Soil Science and professor at the University of Manitoba has taken a three-year leave of absence from the University of Manitoba in order to become NSAC's new research chair in climate change.

NSAC was able to create this one-of-a-kind faculty position, dedicated strictly to dealing with climate change issues in Atlantic Canada, by securing funding from the federal government's Climate Change Funding Initiative in Agriculture, as well as funding obtained from the provincial government and some provincial producers' groups.

In three years, Dr. Burton says he hopes to have a number of research projects completed, have good baseline data on greenhouse gas emissions for Nova Scotia, and have awareness of this issue across the agricultural sector. 📧



Millbrook Band Contracts with NSAC to Provide Training Program



(l to r) Dr. Derek Anderson, Chief Lawrence Paul, Dr. Garth Coffin and Lloyd Mapplebeck

The Millbrook First Nation Band Council and the Nova Scotia Agricultural College (NSAC) are pleased to announce the launching of a 32 week aquaculture and horticulture training program for a group of 15 members from the band. Participants in the program will be awarded a certificate in aquaculture and horticulture at the end of the program in November and will be qualified to occupy positions in the management and operation of the new Millbrook aquaculture and greenhouse facility which is scheduled to open by the end of 2002.

The Millbrook facility will be comprised of a state-of-the-art aquaculture and hydroponic production centre. The new

facility will occupy approximately six acres of the reserve in the Truro Heights locale and will include a marine service centre. The new plant is a project of the Millbrook Band and is a result of the MacKenzie process. The facility will concentrate on the production of Arctic Charr and greenhouse production of vegetables such as spinach, lettuce and basil. Estimated capital cost for the combined aquaculture / horticulture project is approximately \$3.2M.

Students participating in the NSAC certificate program will gain a mastery of the basics of the science of salmonid species and greenhouse hydroponics. They will study the physiology and life span characteristics of salmonid species, green house

horticulture, and the basics of entrepreneurship required for the successful operation of a small to medium sized business. Besides classroom sessions, the group will have access to the outstanding aquaculture and greenhouse facilities at the College and will visit various fish farms and greenhouse operations in the province.

NSAC Principal, Dr. Garth Coffin, said that he was delighted that the College was able to bring its strong teaching and research personnel and facilities to this "We are amongst the leaders in Canada in aquaculture and horticulture science and the opportunity to partner with the Millbrook group in bringing this project to fruition fits very well with the vision of the College. That our partner is also a close neighbor with a strong history of successful projects makes this endeavor that much more attractive to us".

Chief Lawrence Paul stated that the opportunity for band members to undertake training to qualify them to operate the Millbrook facility was a dream come true for him. "Not only does this provide qualified individuals within the group to help launch this band initiative," he said. "But the training and credentials that these 15 receive will also open other doors for them beyond the Millbrook project. It is good for the new business venture at Millbrook, it is good for the Millbrook community and it is good for the 15 individuals involved."

Plant Science Technology Program Introduced at NSAC

Nova Scotia Agricultural College, long known for its contribution to agricultural education and research world over, will introduce an innovative, skills enriched, entrepreneurship-based two year Plant Science Technology program beginning September 2002.

This program is unique among Plant Science programs offered across Canada as it allows flexibility for the students to concentrate in Agronomy, Ornamental Horticulture or Edible Horticulture. This program will encourage creativity, focuses on skills development, and links with industries and researchers regionally, nationally and internationally through its summer work-

term. The program is offered by nationally and internationally recognized Faculty with expertise in the applications of Plant Science. This program caters to the needs of 'all' ages who are interested in fundamental and applied Plant Science and allied fields to start, upgrade and/or take a new direction in their careers.

The courses are designed and developed to address the growing global challenges in Plant Science, using a systems approach, and trains students for their creativity and skills in various segments of Plant Science in its state-of-the art infrastructure facilities. Great emphasis is placed on innovation, entrepreneurship and commer-

cialization of ideas with opportunities to gain training in crop advising, integrated crop management, speciality crops, plant production, plant protection, breeding, organic crop and precision farming technologies. The students completing this program will have the advantage of 'Life-long learning' through opportunities to constantly upgrade their academic credentials by continuing into undergraduate, graduate and post-graduate programs.

Global agriculture is nearly a \$10 trillion industry and growing. Global demand for Plant Technologists is increasing steadily. Opportunities exist in Integrated crop

Continued on page 14

NSAC Hosts Senate Agriculture Committee



The Honourable Leonard Gustafson presents Dr. Garth Coffin with a framed photo of the Parliament buildings in appreciation of the NSAC's hospitality in hosting the Senate Committee on Agriculture and Forestry February 13th, 2002.

The Senate Committee on Agriculture and Forestry traveled to the Maritimes February 11 to 15, 2002 to conduct fact-finding activities and hold public hearings on the present state of agriculture, focusing

on the impact of the recent crises on the industry.

The meetings in Nova Scotia were held in Truro at the Nova Scotia Agricultural College February 13th and

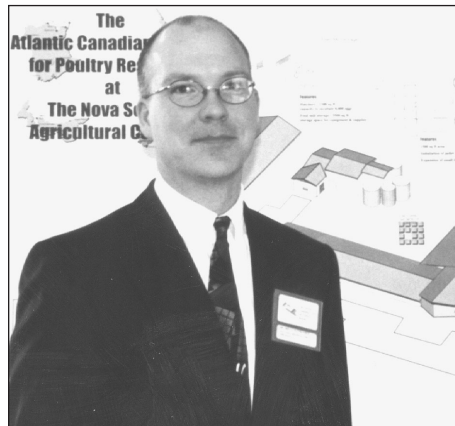
14th, 2002. The Senate Committee on Agriculture and Forestry is mandated to examine international trade in agricultural products and the short-and long-term measures needed to sustain the health of the agricultural industry in all regions of Canada.

Several members of the NSAC community made presentations including NSAC Principal Dr. Garth Coffin, Dr. Phil Warman on behalf of the Organic Agriculture Centre of Canada located at the NSAC and Dr Robert Gordon, Department of Engineering.

The Committee is chaired by the Honourable Leonard Gustafson. Members of the Committee include Deputy Chair John Wiebe and the Honourable Senators Michel Biron, Thelma Chalifoux, Joseph Day, Elizabeth Hubley, Marjory LeBreton, Donald Oliver, Gerard Phalen, Terry Stratton, David Tkatchuk and Jim Tunney. ☎

Atlantic Canadian Centre for Poultry Research

Recent funding announcements have brought plans for a new poultry research facility at the Nova Scotia Agricultural College a few steps closer to reality. The Canada Foundation for Innovation has agreed to provide 40 per cent of the cost of the project up to \$2.1 million.



Dr. Bruce Rathgeber

The Nova Scotia Government has shown its support by committing \$1 million towards a fully funded project. A concerted fundraising effort has been organized by members of the NSAC, the Atlantic Poultry Research Institute and the regional poultry industry to provide other potential donors the opportunity to participate in this unique circumstance. Currently significant dollars have been negotiated in the form of discounted purchase prices on equipment that will be showcased in the new infrastructure. Additionally, generous donations of funds from Producer Marketing Boards and NSAC alumni have come forward and will be recognized by

the association of the donor's name with a key component of the project. These types of donations of equipment and dollars are critical to the success of this much needed research centre.

**Contributions to Date =
64% of Target**

It has been projected that the Atlantic Canadian Centre for Poultry Research will cost a total of \$5.3 million. The proposed new facilities will allow research and teaching in the areas of management and nutrition from hatching through production and slaughter on the quality and safety of value added poultry egg and meat products. With this

new facility NSAC will be poised to provide much needed highly qualified personnel to address research priorities of this growing sector of the agricultural economy. For More Technical information:

Dr. Bruce Rathgeber
Plant & Animal Science
Nova Scotia Agricultural College
PO Box 550, Truro, NS B2N 5E3
(902) 893-6654 Fax 895-6734
brathgeber@nsac.ns.ca
www.nsac.ns.ca/apri

Acknowledgment of gifts over \$1000 will be recognized on the donor wall in the new facility. A limited number of named gift opportunities exist for contributions over \$25,000. All gifts to the Nova Scotia Agricultural College in support of the Atlantic Canadian Centre for Poultry Research will be issued receipts for tax purposes.

For More Funding information contact:

Mr. Jim Goit
Development & External Relations
(902) 893-7950 Fax 897-9399
jgoit@nsac.ns.ca
www.nsac.ns.ca ☎

Rotary International Four Avenues of Service Award Dr. Herb MacRae, Class of 1952



(L to R) Dr. Coffin, Mary MacRae, Herb MacRae, daughter Christie and Barbara Goit

Dr. Herb MacRae was the first Truro Rotarian to receive the Rotary International Four Avenues of Service Award on February 25th, 2002 in Truro, Nova Scotia. The award was established for the purpose of enabling individual Rotary Clubs to annually recognize one member of the Club for his or her outstanding efforts in Rotary's Four Avenues of Service. The four avenues of service are defined as Club, Vocational, Community and International.

Dr. MacRae has been a member of the Truro Rotary Club for nearly 30 years, having joined upon his return to Nova Scotia in 1972 to assume the role of Principal of the Nova Scotia Agricultural College. During that time he has contributed to the Four Avenues of Service in many more ways than can be enumerated.

CLUB SERVICE - Dr. MacRae has served his club in all executive capacities, including Secretary, Vice-President, President (1978-79) and Past-President. He has chaired the Nomination and Awards Committee and Charter Night Committee, among others and has also been pianist for a number of years as a member of the Social Events Committee.

VOCATIONAL SERVICE - Dr. MacRae has long been a champion of Rotary International's Ambassadorial Scholarship program. He established the Vocational Awards and Scholarships committee and still serves as Chair of that Committee which oversees the awarding of the Club's High School Bursaries. He has served on the Adventures in Citizenship Committee and was able to draw upon his association with the Nova Scotia Agricultural College

and other professional and education associations to promote the importance of vocational service. For his contributions to his own profession, Dr. MacRae has been inducted into the Canadian Agricultural Hall of Fame.

COMMUNITY SERVICE - Dr. MacRae has served on many committees to assist those with special needs in the community, not the least of which is the annual Rotary Auction Committee, which he has served as Chair and in other capacities every year. He has also served as Chair of the Camp Tidnish Committee and Community Appreciation Dinner Committee. He is very active in his church and other community organizations and was named as a Member of the Order of Canada in 1992, a very high level recognition for his community work.

INTERNATIONAL SERVICE - Dr. MacRae has long been involved with international student exchange, having chaired that committee as well as the World Community Service Committee, and is currently Chair of our International Special Projects Committee.

Perhaps, most of all, Herb MacRae is known for his wisdom, sound judgement, positive philosophy, sense of humour, compassion for his fellow man and commitment to purpose, all of which enrich his contribution in all areas of service. No doubt there have been many occasions when Dr. MacRae was taking care of Rotary business rather than relaxing with Mary at their cottage in Cape Breton. But that is a measure of Herb's dedication to duty and of Mary's support. 🏠

A Tribute to Dr. Herb MacRae

Since this article was printed, Dr. Herb MacRae passed away on June 24th, 2002 after a long battle with cancer. He will be greatly missed.

Scholar, educator, administrator, leader, humanitarian, and friend. These are just a few of the words that describe how we will remember Dr. Herb MacRae, former Principal and Principal Emeritus of NSAC. He was respected and admired by all who knew him, not only for his wisdom and intelligence, but especially for his human qualities.

His was a unique character, endowed with courage, honesty, humor, a gift for story telling and, above all, a genuine interest in his fellow man. Dr. MacRae was a good listener who found time for everyone because other people came first in his book. His commitment to improving lives through education, together with his professional skills, made him a nationally recognized leader in his field.

His accomplishments as Principal of NSAC are well known. During his tenure, the College experienced a great advance in physical and academic development. Several new buildings were constructed, the undergraduate degree program was completed and a strong contingent of faculty were hired, turning NSAC into a highly respected academic institution.

He was recognized in various ways for his career accomplishments and community service. For example, for his professional achievements, he was named a Fellow of the Agricultural Institute of Canada, Member of the Order of Canada and was inducted into the Canadian Agricultural Hall of Fame. In addition, he received Honorary Doctorates from McGill and

Continued next page.

Dr. MacRae, continued from previous page.

Dalhousie - NSAC. For his extensive community work, he was named a Paul Harris Fellow through the Rotary Club of Truro and was the first recipient of the Four Avenues of Service Award through that Club.

But we will remember him for his human qualities. We will remember his courage, which enabled him to face the most difficult challenges fearlessly and play the hand he was dealt; we will remember his determination to carry on and see a challenge through, even in the face of great adversity; we will remember his wisdom and foresight that made him a great leader; we will remember his sense of humor and great story-telling ability that brought laughter and comfort to any audience, but most of all, we will remember his friendship as someone who cared sincerely and put the interests of others before his own. He was a beautiful person. Our thoughts and prayers go out to Mary MacRae and the MacRae family in this time of bereavement.

Class of 2002 Celebrates Another Year of Employment Success at NSAC

The year 2002 was another good year to graduate from the Nova Scotia Agricultural College. Again this year more jobs were posted through the College's Career Services Office than there were students at the school. The job market continued strong as the Canada wide demand for students in post-secondary programs in Agriculture and Food Science was reflected here in the Atlantic region.

The M.Sc. class is particularly representative of the diversity of careers of AC grads — both geographically and caliber. Marilou is an Instructor at the University of the Phillippines, Lindsay is a Research Assistant at the University of Guelph, Baluswamy is a Research Assistant at the Montreal General Hospital and Norberto is doing lab research in a Detroit area teaching hospital. Treasa is a Horticulturist with Nova Scotia's Agricultural Development Institute and Monique is a Horticultural Technician with Acadian Seaplants. Barbara is a Contract Scientist at the Atlantic Food and Horticulture Research Centre in Kentville. Dawn works at the Canadian Quality Assurance Program office in Alberta and Paula is coordinating the Rural Water Quality Project for WINS. Anita is a Research Assistant at NSAC and Scott is an Engineer with Michelin.

Bachelor of Science grads also show the employability of AC programs. Graduates from the undergraduate program in its various majors have proven again the versatility of studies at NSAC —Tara from the Environmental Studies option is working as the Environmental Farm Planner for the Newfoundland and Labrador Federation of Agriculture; Bruce from the Agricultural Economics class is employed with the Royal Bank in Halifax; Barb from Animal Science is a Research Assistant with the New Brunswick Soil and Crop Improvement Association; Alicia from Animal Science is working with Statistics Canada; Lisa from Environmental Studies is a Lab Assistant with Ocean Nutrition; Jenna from Animal Science is the High School Liaison Officer at NSAC; David from Agricultural Chemistry is off soon to teach English in Korea; Trevor from the Agricultural Business class is developing a product scanning system at Co-op Atlantic in Moncton; Tiffany from Animal Science is employed at the Magnetic Hill Zoo in Moncton;

Stephen from the Aquaculture class is employed at the Fraser's Mills Hatchery for the NS Department of Agriculture and Fisheries; Rochelle is working as a Crop Scout Supervisor for Cavendish Agri-Services and plans to travel to Australia in the fall; Tommy is the Assistant Manager Trainee at the Juniper Tree Nursery for J.D. Irving.

Graduates of the Bachelor of Technology in Landscape Horticulture program and the Environmental Horticulture Technology diploma program are employed in a wide range of the green industry—Duggan is Superintendent of the River Run Golf Course outside Truro; Jeff is working as a Landscape Designer for the summer and will continue his studies in Finland in the fall; Sara is employed with Maple Hill Nursery in Berwick.

The Animal Health Technology class always set the bar for employment success at NSAC. Again this year, 100 per cent of this class were employed at graduation time. The 2002 Animal Health Technology graduates have joined vet clinics throughout the Maritimes (in Halifax, Moncton, Fredericton, Sydney, Summerside, Amherst and Windsor) and Prince George, BC.

Many students come to NSAC to prepare to join and eventually take over home farm operations. Ryan and Thomas from the Agricultural Business Technician program, Jonathan, Matthew and Christopher from the Animal Science Technician program and Tony from the Agricultural Mechanization option of the B.Sc.(Agr.) program have returned to their home farms.

Other NSAC graduates annually start careers as farm managers or herdsman following their studies. Animal Science degree grads—Andy is working in the Truro area and Angela is employed at a large dairy farm in Wisconsin. Jennifer and Allison from the Aquaculture option have taken on site manager positions with Heritage Salmon in Campbell River, BC.

For more information on career options in the agri-food industry or the employability of NSAC's various programs of study, contact the Career Services Office at (902) 893-6729 or email bcrouse@nsac.ns.ca

Plant Science, continued from page 11

management; Integrated pest and disease management; Organic agriculture; New variety development; Biotechnology; Precision agriculture; Stress mitigation and management; Greenhouse production; Nutraceuticals and biopharmaceuticals, Plant propagation and production; Food technology and processing, Floriculture and cut flower production; Ornamental plants; Landscape design and construction, and Green-space management.

For more information contact:

Ms Shannon Kilyanek,
Technical Co-ordinator
skilyanek@nsac.ns.ca
(902) 893-6677

Agronomy, Ornamental Horticulture or Edible Horticulture: Link to <http://www.cfa-fca.ca/careers/indextop.html>



Two New Initiatives from ADI

CropLine - (902) 893-4344

Forage, berry and vegetable growers now have 24-hour access to important crop updates, disease bulletins and basic production information by calling (902) 893-4344. The recorded messages are updated regularly. Using a touchtone phone, callers can select individual messages as well as return to the main menu anytime during the call to select another message. The text of the messages are also available at www.Agri-ville.com by clicking on the ADI logo.

ADI Marketplace for Farms, Agri-Businesses and Agri-Service Providers

Within the next few months, farmers, agri-businesses and other businesses providing services to the agri-food community will have an opportunity to join the ADI Marketplace on Agri-ville.com.

For a small annual fee, members can develop a customized webpage with a business overview and what services or products are available. It can also be another way to link to a current farm or business website. Visitors to the site will be able to search the member sites for services and request a quote by e-mail. For farms and businesses without a website, this will be an easy way to have access to an e-mail account and have your own website address for use in your own promotional materials. For more information, please contact ADI's Communications Co-ordinator Lynne Godlien at 902-678-7722 or L.Godlien@adil.ca

2002 Award for Research



Presented to

Dr. Ken Beesley

for his innovative research in rural sociology and rural geography.

Dr. Beesley has become acknowledged as one of the leading researchers of his generation. For nearly a decade he has been one of the most active researchers at the NSAC in his broad fields of concern.

Congratulations Dr. Beesley.

Education for Life

OACC Launches a New Website — www.organicagcentre.ca

The Organic Agriculture Centre of Canada (OACC) has recently launched their website and has developed four web-based organic agriculture courses, making organic information and education more accessible.

As organic farming moves into the mainstream, producers (both organic and conventional), university researchers, and others in the agricultural community are looking for more information to understand the basic mechanics of organic farming and the potential opportunities within the organic industry. The OACC website delivers information on current organic research efforts across Canada, while highlighting on-going research initiatives by the OACC.

The web-based courses will be available for students on a credit basis at the second year degree level. Students are also welcome to take the courses on a not-for-credit basis through the

NSAC Centre for Continuing and Distance Education. The information and access to the instructor will be the same, however assignments and exams are not required. Farmers in particular are encouraged to register. Their practical experience and innovation will be an asset. Throughout the courses, participants will be encouraged to engage in discussion groups and use the organic information resources currently available over the Internet. Course instructors will facilitate discussions that include current issues to involve students, farmers and others who participate in the courses in a meaningful dialogue.

Two courses (Transition to Organic Farming and Composting Skills) will be offered through the weeks of 5 September through 19 December, while two other courses (Organic Field Crop Management and Organic Livestock Production) will be delivered starting in January 2003. For more information on how to register, please check out our website at: www.organicagcentre.ca

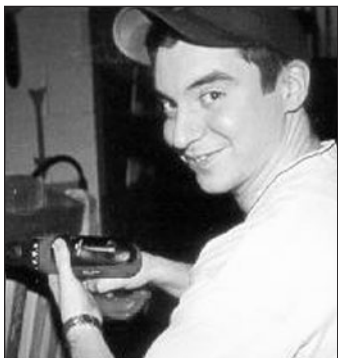
Environmental Horticultural Students Changing the Landscape at NSAC



The Wood Construction Techniques Class constructs an Arbor out of cedar that will eventually be placed in the Alumni Gardens along with fences. When the project is completed four such Arbors will be built as entrances to various sections of the garden. (L to R) Andrew Hayes, Gabriel McLaughlin, Jeffrey MacDonald, Peter Kiersted, David MacKenzie, and Gordie Campbell.

Students enrolled in several courses offered as part of the Environmental Horticultural Program at the NSAC are helping improve the College grounds. Lab sessions in landscape design, construction and maintenance as well as project management involve hands-on activities which take place on the campus.

Tracey MacKenzie, lecturer in the Environmental Sciences Department indicates the benefits of this approach as a "win - win situation". Students benefit immensely because they are exposed to real world problems and projects with budgets and constraints. Bachelor of Technology students actually take a project through all phases of development. "We meet with the client, assess the needs and site, develop a concept, prepare a design, complete an estimate for materials and time to complete the project, perform the installation and evaluate the success of the project through appropriate follow up records," said MacKenzie. " This is a perfect way to develop project management skills without the pressure of business administration.



Gabriel McLaughlin putting the final touches on one of three garden benches that Wayne Bohla's ('74) class in Wood Construction Techniques built for the Alumni Gardens.

The Alumni Gardens has been improved by many of the student projects. Wayne Bohla from the Engineering Department has supervised several wood construction projects by students for the garden. A large brick paver patio has been added with the help of alumni who provided partial funding for materials and support of local manufacturers. This type of support makes it possible to install very attractive landscape features at a much reduced cost. Such projects would not be possible without the support of industry and alumni.

Many new projects are planned for the future. Most noteworthy are a sunken topiary garden in the Alumni Gardens and a labyrinth amphitheater to mark the 100th anniversary of the College to be placed in Cox Field. Mr. MacKenzie notes, "we are very excited about our future projects and the benefits they will provide to our students, the College campus and the community at large". If you are interested in supporting future projects in any way please contact Tracey MacKenzie in the Environmental Sciences Department 902-893-6687. ☎

2000 Award for Teaching Achievement



Presented to

Anna Fitzgerald

for her uncanny ability to make the complex understandable, for her dedication to international and mature students and for her desire to always make her teaching better. Anna Fitzgerald of the Department of Environmental Sciences is the Technical recipient of the 2002 NSAC Award for Achievement in Teaching.

Congratulations Anna.



**Nova Scotia
Agricultural
College**

Education for Life

www.nsac.ns.ca



OFFICE UPDATE

Development & Alumni Relations



There is a very important role for alumni to play in these initiatives, most particularly marketing and recruitment. The Office also works to enhance awareness of the College, its activities and programs as well as support initiatives of the Alumni Association in facilitating communication among its members.

Annual Appeal About to Begin

One of the most important elements of a university development program is the annual appeal. While NSAC has had several appeals among alumni and friends over the years and classes have been active in raising funds for special projects, there has never been a consistent, broad, annual appeal for support for the College. With the creation of the Development Office and the identification of funding priorities we will now be asking alumni and friends to consider NSAC when they are thinking of charitable giving. Investments made in NSAC will be used to strengthen the programs and facilities that have enabled the College to be a world leader in agricultural education and research.

The annual appeal will be in your mail boxes soon and we look forward to the support of all alumni and friends of the College.

Fund-Raising Ideas

This is the time of year that classes being to think about fundraising projects to celebrate their anniversary reunions. Staff of the Development and Alumni Relations Office are able to assist in this effort by helping Class reps contact class members, brainstorming ideas for projects and establishing funds. We would be happy to talk about any of the current priorities including scholarships, research programs and capital endowments. Remember, all contributions made to NSAC are eligible for a receipt that may be used for income tax purposes.

The Development and Alumni Relations office has been very active over the past year working on the various programs that will move NSAC's development and alumni relations program forward. As part of the campus strategic planning exercise the Development team is concentrating on activities that will support the key priorities of the College. These include initiatives in the area of marketing and recruitment, community service as well as administration and future funding.

There will be a growing selection of special events, publications and promotional activities that will aid in these efforts. If you are interested in learning more about how you can participate in these efforts please contact the office at (902) 893-6721.

Adopt-a-Classroom Project

Classrooms and other meeting facilities at the NSAC are at the heart of the learning process. The many classrooms at the College have ongoing needs and are in danger of falling behind in terms of teaching technology including computer presentation equipment, software, network connectivity and wiring. Capital funding available from governments and other internal sources is limited so we turn elsewhere for assistance.

Each classroom and lecture theater has been assigned a "naming value" depending on size and use. Individuals, classes or companies may "adopt" a room for the stated amount which will be deposited in the **Teaching Technology Development Fund**. A plaque will be mounted at the door of the room recognizing the gift. All gifts will be issued receipts for income tax purposes.

Funds will be used to update the teaching technology in the adopted room depending on it's needs, provide ongoing maintenance for physical assets and help build an ongoing endowment for all the classrooms at NSAC.

There is an extensive list of classrooms and lecture theaters that are being considered for the Adopt a-Classroom project.

Please contact us for details or check out our website:
www.nsic.ns.ca/development/projects/adopt_a_classroom.htm



Homecoming Weekend '02

October 18th, 19th, 2002

The Reunion Program will honour graduates from Class years ending in 2 and 7. Start planning now for October 2002.

NSAC alumni and their families are welcomed back to the Nova Scotia Agricultural College on October 18- 19th, 2002 for the third annual Fall Homecoming Weekend of the NSAC Alumni Association. The event will be held in conjunction with College Royal celebrations and Varsity

Athletic Reunion activities. A full schedule of events will be planned in an effort to mix alumni with current students and various faculty members. New additions to the program include campus tours and a University Mini-Expo.

Tentative Homecoming Schedule

Friday, October 18th, 2002

5:00 p.m.

NSAC Alumni Board Meeting

(Jenkins Lounge)

(Alumni Board members will eat in the Jenkins Hall Cafeteria)

6:00 - 8:00 p.m.

Registration Desk

(Athletic Centre Foyer)

(Sign your class list, buy tickets, purchase souvenir clothing all at the registration desk)

6:00 - 8:00 p.m.

BBQ Picnic

(Athletic Centre Foyer)

(Cash Bar available—bring a blanket and watch the Soccer matches.)

6:00 - 8:00 p.m.

BBQ available

6:00 - 9:00 p.m.

Cash Bar Available

6:30 p.m.

Women's Conference Soccer Game

(Athletic Centre)

NSAC vs University of Kings College

Event is free of charge

7:00 p.m.

Farmer's Night - MacMillan Show Centre

(bale rolling, Tug-of War etc)

7:30 p.m.

Meet & Greet Reception and Mini - Expo

(Athletic Centre foyer)

(Enjoy the bar, learn about what is new at the NSAC since you were a student, view various College displays, see your old class photo)

Event is free of charge. Cash Bar

8:30 p.m.

Men's Conference Soccer Game

(Athletic Centre)

NSAC vs University of Kings College

Event is free

Saturday, October 19, 2002

8:30 a.m.

MacRae Library Breakfast

(MacRae Library)

(Keep posted to the Alumni web site for updates on the theme of this year's MacRae Library breakfast)

9:00 a.m. - 2:00 p.m.

Alumni Registration Desk

(Athletic Centre)

9:00 a.m.

5K Run - Registration

(Athletic Centre)

10:00 a.m.

5K Run

10:00 a.m. - 2:00 p.m.

NSPE Farm Equipment Museum -

Exhibition Grounds

11:30 a.m. - 1:30 p.m.

Lunch Program

(Riverview Room)

Presentation of Distinguished Alumnus Award
Alumni Association AGM

Event is free of charge and spouses are welcome. Please sign up for this event on Friday night)

1:30 p.m.

Class Photos - (Athletic Centre)

1:30 p.m.- 7:00 p.m.

Mini-Expo

(Learn about what is new at the NSAC since you were a student, view various College displays.)Event is free of charge.

1:00 p.m. - 6:00 p.m.

Alumni Athletic Competitions

(Athletic Centre)

2:00 p.m. - 3:30 p.m.

NSAC Campus Tours - Alumni Gardens/Aquaculture Centre.

(Enjoy a guided tour of the NSAC Alumni Gardens and the new state-of the art Aquaculture centre. Tour to form at the Athletic Centre) Event is free of charge.



Need a place to Stay?

As Homecoming Weekend is being held on the NSAC campus in October, residence rooms are unavailable to alumni. However, residence accommodations are available for any alumni who wish to stay on AgriTECH Park campus during the weekend. AgriTECH Park is within three kms of the main College campus. Please make your reservations for residence rooms by calling Sharon MacKenzie at (902) 893-4145. Quality accomodations are also available at various local hotels who are offering preferred rates for alumni during Homecoming Weekend

(Continued on next page)

1:00 p.m. - 5:00 p.m.

College Royal Livestock Show -

Ruminant Animal Centre
(Beef, Dairy, Sheep)

3:30 p.m.- 8:30 p.m.

Class Meetings/Class organized events

(Meet in the Athletic Centre Varsity Lounge to catch up with classmates and make plans. Enjoy beverages and fellowship and view the Mini-expo)

8:30 p.m.- 11:00 p.m.

Alumni Reception/Silent Auction

(Cumming Hall)

(Help raise money for the NSAC Student Emergency Fund. Enjoy hot and cold hor doeuvres. Presentation of Class shield awards and others will also take place)

9:00 p.m.

Pub Night at The Barn

Please Note:

This is a tentative schedule to date. Please keep posted to the web site for further updates and changes.

Keep this address handy as it is your connection to Homecoming Weekend.

www.nsac.ns.ca/alumni/homecoming

Class of 1952

Dear Classmate:

Recently, we read in the Winter Issue of Agricola News the schedule of events for the Fall Reunion and it gave us a stern reminder that time is passing , that this is our 50th Reunion, that we should start planning for a very special event. So we put a committee together from Truro and area for convenience purposes - Their names are at the end of this memo. WE NEED YOUR INPUT. We do not know at this time what special event will be held on Saturday night, we know there will be one. It will help us greatly to plan if you give us your thoughts on the following:

- 1) Should we hold our special class events on Friday night or Saturday night?
- 2) What kind of special event would you propose? e.g., a tour to some place of interest followed by a dinner under pleasant surroundings...
- 4) Have you discussed attendance ?
- 5) Are you at this time definitely planning to attend?

Would you respond as soon as possible - it will be a big help to us.

Send your replies to:

NSAC Alumni Office,
Attention: Lorne Cock,
Nova Scotia Agricultural College,
P.O Box 550, Truro, N.S. B2N 5E3

Yours sincerely,

Joe Davidson, Lorne Cock,
Bob Murray, Victor Moses and Bill Hanlon

Calendar of Events

Homecoming Reunion Weekend	October 18 - 19th
NSAC Octoberfest 5 K Run	October 19
Varsity Alumni Weekend	October 19
Autumn Assembly	October 23rd
Agricultural Hall of Fame Induction Ceremony	October 23rd
Festive Craft Market	November 16-17
Atlantic Agricultural Sciences & Technology Workshop	November 14-15
NSAC Founder's Day	February 14th
2003 CCAA Women's Basketball Championships	March 20-22
Nova Scotia Agricultural College Open House	July 26, 2003



Alumni Chapter News

Ottawa Area Meeting



Pictured, front row: Dr. Garth Coffin, Principal, NSAC, Class of 1960; Stephanie Reid-Murray, Class of 1972 and Alan Boswell, Class of 1956. Back row: Ben Hawkins, Class of 1975; Blair Murray, Class of 1972; Dr. Cliff McIsaac, Class of 1950, Keith McCully, Class of 1952, Don Grant, Class of 1958, Harold Trask, Class of 1948, Brian Crouse, Class of 1975 and John Mahoney, Class of 1950.

A thoroughly enjoyable evening was spent by 15 NSAC alumni who got together at Tucker's Marketplace on January 20, 2002. After a great meal the group retired to The Cellar where Dr. Coffin updated local alumni on recent activities at NSAC, reminiscing until the restaurant closed that evening. It was surprising to learn that there are about 120 NSAC alumni currently in the Ottawa area. This was encouraging to some of the recent grads who had moved to Ottawa, particularly seven from the Class of 2001 who were hired by Statistics Canada. The attendance at the January Ottawa Area Meeting reflected the wide spectrum of NSAC alumni now in the Ottawa area from Megan MacLellan and Elizabeth Kendrick from the Class of 2001, to Blair Murray and Stephanie Reid-Murray from the Class of 1972 and Ben Hawkins from Class of 1975.

Annapolis Chapter Meeting



The NSAC Annapolis Valley Chapter held their Annual Supper at the Royal Canadian Legion in Kentville on November 16th, 2001. After introductions there was a quick Welcome from Chapter President Patricia Bishop, an update by Bradley Briggs of NSAC Alumni Association events and business and a Welcome and Update from the NSAC by Jim Goit, NSAC Executive Director of Development and External Relations. The highlight of the evening was guest speaker Bev Connell's discussion of Leadership in Agriculture.

On Saturday, September 21, the Annapolis Valley Chapter will participate in wine tasting and a tour of the facilities at Grand Pre Wineries in Grand Pre, Nova Scotia. (near Kentville) Festivities will begin at 3:00 p.m followed by a short chapter meeting.

Cost for the tour is \$6.50 which includes a \$.50 donation to the Annapolis Chapter to cover such costs as the mailing of the Chapter newsletter. Please RSVP to Trish Bishop by phone (902) 542-0293 or by e-mail at oulton.bishop@ns.sympatico.ca

SILENT Auction 2002

At Homecoming Weekend 2001 approximately \$1600 was raised through the Silent Auction for the NSAC Student Emergency Fund. This fund provides relief funding for students who experience unplanned (and unbudgeted) financial hardship through the school year such as emergency trips home. We hope to meet our goal of \$5000 this year and are currently seeking items for this year's auction. If you have anything you'd like to donate please contact Dick Huggard, Class of '56 at (902) 895-5905



The following local hotels have agreed to offer preferred rates to those alumni needing accommodation during Homecoming weekend. When making reservations, please indicate that you are here to attend the NSAC Alumni Homecoming Weekend. The rate is the same for either single or double occupancy.

Best Western Glengarry Motel

(902) 893-4311
150 Willow Street \$75 plus tax

Howard Johnsons

(902) 895-1651
437 Prince Street \$59 plus tax

Comfort Inn

(902) 893-0330
12 Meadow Drive \$55 plus tax

Other Accommodations Available:

Irwin Lake Chalets

1-866-551RWIN (46946)
Old Barns

The Organery Bed & Breakfast

Jan van der Leest (Class of '71)
(902) 895-6653
53 Farnham Road, Truro
E-Mail: organery@ns.sympatico.ca

AgriTECH Park Residence Accommodations

(902) 893-4145
Private Room \$30 + tax
Double Room \$40 + tax
Check in before 4:00 p.m.
Check out by 12:00 noon

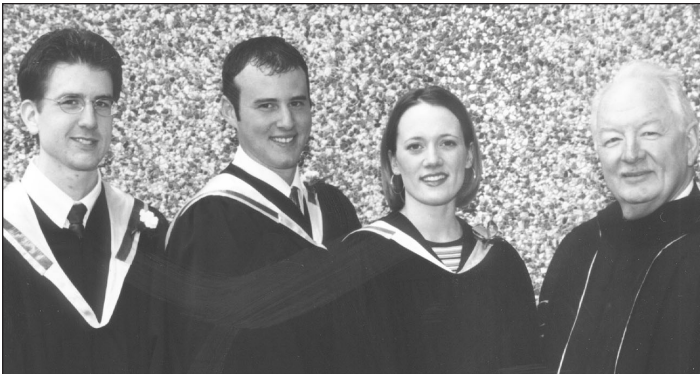
CONVOCATION 2002



Prize Winners : shown are two of the prize winners from the 2002 Convocation ceremonies. Sarah Mercer, Lunenburg, NS, was the recipient of the Hill's Pet Nutrition Canada Inc. Small Animal Nutrition Prize. This prize is awarded to the final year Animal Health Technology student who has demonstrated an interest in small animal nutrition. Denise Crawford, Middleton, NS, was awarded the Novartis Award. This award is presented to the top all-round student graduating from the Animal Health Technology program who has particularly excelled in the area of parasitology. Both Sarah and Denise were high honours graduates of the Animal Health Technology program.



Grad Class Co-Chairs: The 2002 Grad Class Co-Chairs were Barb Christie and Kristen Doncaster. Barb graduated from the B.Sc.(Agr.) program Animal Science option, and Kristen is a B.Sc.(Agr.) graduate, Aquaculture option.



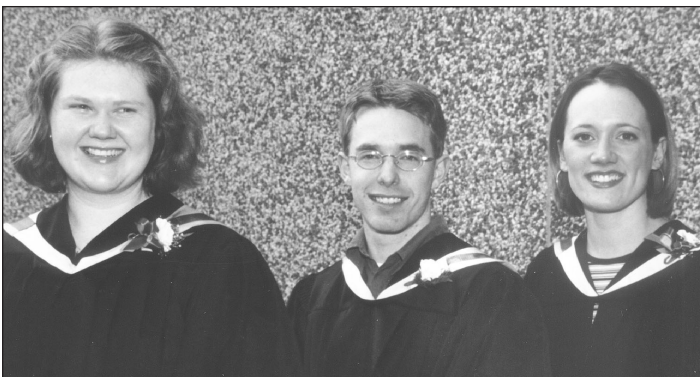
Distinction Award Winners: Dr. Garth Coffin, Principal, NSAC, is shown congratulating Nathan Fahey, Truro, NS, Matthew Walker, Sussex, NB, and Jolene Van den Heuvel, Brook Village, NS — all recipients of Bronze Distinction Awards during recent Convocation exercises. NSAC's system of Distinction Awards is designed to express the College's acknowledgment 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 intellectual and athletic endeavours and who have definite qualities of leadership will receive these Distinction Awards. Nathan graduated with high honours from the Environmental Studies major of the B.Sc.(Agr.) program and was the recipient of an NSERC Undergraduate Student Research Award. Matthew graduated with high honours from the Animal Science option of the B.Sc.(Agr.) program. Jolene graduated from the Agricultural Economics option, B.Sc.(Agr.) program, with high honours and also delivered the Valedictory address at the Convocation.



Honourary Associate Awarded: Mrs. Jean Mason Pell, recipient of an Honourary Associate Award which was presented at Convocation 2002 is shown with Jack Johnson, P.Ag., who presented the convocation address, and Dr. Garth Coffin, Principal.



Four Principals: Three former NSAC Principals were on hand to attend Convocation 2002 ceremonies in May. The late Dr. Herb MacRae, Dr. Les Haley and Dr. William Jenkins joined Dr. Garth Coffin, in the festivities.



Life Executive and Valedictorian: Maureen MacDonald, Souris, PEI, a B.Sc.(Agr.) graduate, Plant Science option, was elected Life Secretary of the Class of 2002 by fellow classmates. Ian Affleck, Bedeque, PEI, a B.Sc.(Agr.) graduate, Plant Science option, was elected Life President of the Class of 2002. They are also shown with 2002 Convocation Valedictorian, Jolene Van den Heuvel, Brook Village, NS, a B.Sc.(Agr.) graduate, Agricultural Economics option.



Barnyard Banter highlights the accomplishments of NSAC Alumni. If you have moved, earned a promotion or another degree, married, had children or have any other news you'd like to pass along to classmates, let us know. Email submissions may be directed to: srogers@nsac.ns.ca

Class of 1980

WASSON, Sandi.....Graduate of AST Class of 1980 and wonder how all the old gang are doing. Lana? Bonnie? Simon? Martin? Employed as Vet Tech at same hospital in Oshawa, Ont since 1981...wow how time flies. Hope to hear from some old friends.
wassons@sympatico.ca

Class of 1987

WARREN, Cathy.....After graduating from Macdonald College in 1987 I spent 6 years in the feed industry, predominantly with Ralston Purina. I then became involved in education and training and am currently working for Tengtu International Corp., which is establishing the information technology infrastructure for China's national K-12 educational system. I got engaged to Mike Kollar in Cuba last spring and am looking forward to our wedding this August. I would love to here from fellow aggies at cathykollar@yahoo.com.

Class of 1989

Hello 89 Grads! I've been extremely poor at keeping in touch with all the friends that I

made while attending NSAC from 84-89 but am now making an attempt. After NSAC I stayed in NS till 97 when I finished another degree at Acadia. Pursuing a Masters led me to BC where I met Jeanette my wife who is a teacher. We now live in Arviat, Nunavut (the Arctic) and are moving to Whitehorse, Yukon this summer. So, for all of you that thought I dropped off the edge of the earth you were almost correct as the Arctic is close!
jmcllland@gov.nu.ca

Class of 1993

SARSON, Kriss.....After finishing at AC went to TUNS to complete the Environmental degree ('97) After graduating, worked for the City of Mirimichi, NB on an infrastructure upgrade project., After Mirimichi, left for Surket, Nepal to work with a CIDA Health Project and for the last two years work as the Assistant Municipal Engineer for the Municipality of Lunenburg. It will be soon time to plot a new course with a new destination.

Class of 1994

MACLEAN, Rhonda.....This spring I am finally going to be finished with school and join the real world. I am finishing my residency in Family Medicine and sometimes wonder (usually while studying or on call) why I ever left the world of agriculture.
rhonda.maclean@hotmail.com

SEMPLE, Wanda.....(Robbins) Hi, to all the grads of 1994. Just wondering if anyone I knew is living in Alberta now? I get a bit home sick at times. I'm home on maternity leave right now. I had a baby girl November 28, 2001, we named her Lauren Kate. For the last 4 years I've been working at the Dairy Research and Tech. Centre at the University of Alberta. I hope to hear from some old friends. wandasemple@hotmail.com

Class of 1995

BOWNESS, Robyne.....Hi to all! Thought I'd drop in and see what's new! John (Class of '90) and I (Class of '95) are still living on the prairie and working at Alberta Agriculture! We now have 2 boys Ryan 2.5 and Atlen 11 mos. Love to hear from anyone!
robyne.bowness@gov.ab.ca

MURRAY, Janet.....Hi there Class of '95 and 98! I have been in Sussex for the past three years working in a quality assurance lab. I'm getting married June 29th and will be residing in Havelock NB. I would love to hear from old friends.. Take care!
janetmurray@dairytown-products.com

Class of 1996

MACLEOD, Shannon.....Currently working in veterinary practice as RVT/AHT but will soon be employed at Dalhousie working as a research technician in the biophysics department.

JEFFREY, Scott.....Hello 1996 & 1997 Grad Aggies. What ch'a at? I have recently relocated back to the Maritimes from BC and WV. I am presently managing a Salmon hatchery (Jail Island Aquaculture) just outside Moncton on the Fundy Trail. We are raising close to 1 million smolt/yr. Thing have been going well in my life. Still doing the music thing, hockey thing and just recently joined the curling league. Just like to say hi to all my 3C friends. I still keep in contact with most of them but if not, I would love to hear from you. Special hi to Sarah, Beetle, Pelham, Trevor, Sarah, Jen, Tanya, Kim, Sixty, Jared, Troy, Kev, Dereck, Dave, Colleen, Mandy, Pipes, Marty, Jamie, Jeff, Dev, Gouv, Nicole, Carly, Mike, Trevor, Alex & JP, and of course all the aquaculture professors. Wish you all the best. Anyone interested in a tour, not a problem. Hope to hear from you soon. sjeffreyfish@hotmail.com

WELSHMAN, Jennifer.....Hi everyone! I did settle down after all and got married to a wonderful man, Tim, in February 1998. We are living in Chester, NS and have two beautiful children, Justin and Emily. Hi to all the AHTs and RVTs out there especially the class of '95!!

BURNS, Michelle..... I moved to PEI in 1999 with Duane Webber (Ag. Mech. 1999). I have been working at Cavendish Farms since 1999 and am now the Assistant Agronomist. Duane works as a salesperson for Layton Green Inc. (farm machinery). We purchased our first home in November and are loving it. We are looking forward to having all of our family and friends together for our wedding in August. We would love to hear from any of our NSAC friends.
burns.michelle@cavendish-farms.com

Class of 1997

KEHOE, Mark..... Hello fellow Aggies!! My wife Alison (Williams, class of 96) and our two girls, Hailee (4) & Spencer (3), relocated to southern Ontario last year. Since graduation in 1997 I've pursued a career wholesaling in the greenhouse growing industry. I'm currently working for Fernlea Flowers Ltd, Canada's largest grower with over 100 acres of greenhouses! I'm working as their Canadian Sales & Marketing Coordinator and have enjoyed every day of it. We were very sad to leave the Maritimes, but we do love Ontario! We'd love to hear from everyone, so please don't hesitate to say hi. mkehoe@fernlea.com.

Class of 1998

BRADLEY, Krista.....I graduated from AC in 1998 and headed to Alberta. I came back to The Rock in October 2001 and am now the Non Ruminant

Specialist for the Department of Forest Resources & Agrifoods in Corner Brook. Hello to Drew and Sara back in Alberta and I hope things are going great. I would love to hear from anyone I went to school with. Drop me a line.
kbradley25@hotmail.com

Class of 1999

WOOD, Kelly.....Hello there fellow graduates, you probably know me as Kelly Doyle, now a Wood; since Robert and I got married in June of 1999. I am currently working at Agriculture Canada here in Charlottetown and being a mommy to a wonderful girl born April 13, 2001! We called her Cailey Veronica. Go RAMS!!!!
kadwood@hotmail.com

MACLELLAN, Ron.....Hello fellow Aggies! I graduated in 1999 and received my BSc (Agr.) Environmental Biology and a minor in Animal Science. I started working for StoraEnso in Port Hawkesbury, Nova Scotia soon after. I'm a temporary Lab Technician for StoraEnso. StoraEnso produces Newsprint and Super Calendered Paper. Well any fellow Aggies who know me can now contact me through e-mail. Go Woodsmen!
ron-route19@hotmail.com

MACDONALD, Blaine.....Hey everybody who was there when I graduated in 1999!! Been quite some time since I talked to many of you....so I thought I'd throw in an update. Since I graduated, I worked in a Vet Clinic as an AHT, been to South Korea teaching English, lived in Ireland for a short while and currently am in California doing passerine research for Point Reyes Bird Observatory. Hoping to get some work possibly a thesis, doing large carnivore research in Western Canada next....so keep your fingers crossed!! Hope everyone's doing well!! Try to throw me an e-mail if you can.
blaine_r_macdonald@yahoo.ca

MYERS, Shannon.....Hi everyone! Gavin & I had a baby in July '01. Andrew is the joy of our lives and he is keeping us on our toes! The wedding is set for October 19th, 2002 so besides making plans, I'm looking for employment! (Sounds like it's a trend) I can't believe how easy it is to lose touch, so I hope some of you will email!
slmyers@hfx.eastlink.ca

BRASSARD, Chad.....Hey all. Jaime and I (Class of '99) would just like to say hi to all of our friends from AC. We are here in Ch'town PEI hanging out until October 12, 2002 when we're tying the knot. Jaime is working at a vet clinic and I am just trying to get enough money to pay for that ring! If you know anyone who requires a fella with an MSc in Hydrology give'em this email address.....PLEASE!! Our plans are to travel and work abroad after she changes her last name and then off to Law school for me somewhere. So if you'd like to drop us a line, you now know how to do so. Later Aggies!
brasomery@islandtele.com

MACINTOSH, Lori (Longmire).....Hey everyone, miss you all like crazy! David and I married in September of 1999. I graduated from MSVU with my teaching degree in Secondary Science in 2001. I am now teaching in Milford (Grades 10 and 11)! SCARY!!!! love to hear you guys soon! Miss you!
lori-janemacintosh@hotmail.com

KENNEDY, Lisa..... Hello grads of '99. I am working at Maple Leaf Poultry as a Quality Control Technician, am engaged to Nathan Langille (2000) and living on a small Beef farm in Middleton. Would love to here from some fellow classmates.
lisamaekennedy@hotmail.com

PERRY, Jason.....I am a Crew Leader/Climber II and Certified Arborist with The Care of Trees in VA (basically I'm a monkey with a rope, saddle and a saw

crazily cutting trees). I also have a wonderful girlfriend and a nine month old boy that women adore. Life is great.

LINTON, Matthew..... Right now I am working for a small Tree Care company in Virginia and all is going great. Hope to hear from anyone. Yahoo grads of '99
rborist@msn.com

Class of 2000

DUKESHIRE, Amy (Lemmon) Just thought I'd let everyone know that Jason and I are expecting our first baby in July! I'm still at the AAFC Research Centre in Kentville, but will be done in May. I'm hoping for another project after the baby. Hope everyone enjoys the coming spring.
amydukeshire@hotmail.com

SAUNDERS, Heather.....Hello to the grads of 2000! I am currently working at Paul's Flower Shop in Saint John NB, covering a maternity leave until September. I'm looking forward to getting back into the greenhouse industry soon after that! So if anyone knows a job opening up, let me know! Looking to find Christy MacLean and Mike Gautreau, so if anyone knows how to reach them, please send me a message!
hasaunders20@yahoo.ca

DONOVAN, KareyLee.....Hello Fellow Aggies, Trueman House girls, Conference Staff, and Aquaculture alumni. I have a lot of news... My finance (Ray) and I had a son, Daniel, on September 14, 2000...(he is now 20 months old and 36 pounds). I began my BEd in Fort Kent, Maine in January and am loving it. Drop me a line at
karey_lee_donovan@hotmail.com. I Miss You All!

Class of 2001

MORRIS, Sabrina.....Hey there guys! It's been a year since I left and I still miss that place too much...working in C. Brook, NF now as the Alternative Feeds Co-ordinator with the

Department of Forest Resources and Agrifoods. Talk to y'all later
sabrinaemorris@hotmail.com

HERBIN, Jennifer.....Hi to all the grads of 2001! I'm just finishing up my first year at AVC. Vet school is great but it sure isn't AC! I'll be working on a dairy farm in the valley this summer and doing some on farm research for the OACC. I'd love to hear from any old aggies. All the best
jenniferherbin@hotmail.com

BOURQUE, Nicole.....Hi all!!! I graduated from the AC in 2001 and I REALLY miss it already. Just thought I'd let you know that I just finished my first year at AVC and I'm loving it! I am working in Fredericton for the summer in the Provincial Vet Lab, so if any old friends are in the area....drop me a line.
nabourque@yahoo.com Class of 2002

BURGESS, Peter.....will join the ADI team as an Integrated Pest Management Co-ordinator full-time in March 2002 and will work in partnership with other specialists in all field and horticultural crops. Peter is a M.Sc. candidate at the NSAC where he is researching the effect of sub-lethal rates of herbicides on the wild lowbush blueberry and poverty oat grass as a way to limit erosion in wild lowbush blueberry fields. He also has a B.Sc. in Biology from the University of New Brunswick.

FERGUSON, Jennifer..... Hi everyone! Where does the time go? I recently returned from a five month internship in Hanoi, Vietnam...had a fabulous time and cannot wait to continue traveling! Graduated this May with my MS.c and am currently working with the NS Dept. of Agriculture and Fisheries. I will be here until Christmas. After that, who knows? I hope everyone's doing well...feel free to drop me an email:
jennyhanoi@yahoo.ca ☺



Athletics in Review 2001-2002

Basketball

The women's team had their 'ultimate year' winning the league title and going on to win the ACAA Championship. The tournament, held at Mount Saint Vincent University (MSVU), was exciting as the NSAC women defeated STU in the semi before defeating MSVU in the final. Building a sizeable lead, NSAC held on during the MSVU charge late in the game to win a close one over the Mystics.

At the Canadian Colleges Athletic Association (CCAA) National Championship - Mount Royal in Calgary, the Rams lost the first two games to British Columbia Colleges, but defeated Humber for 7th place. During the closing the Rams were presented with the Fair Play Award. This award symbolizes competitive spirit while upholding the values of Fair Play.

The men had a tough season. Although having close games in the first semester, the loss of two starters for January provided a challenge. Although finishing league play out of the play-offs, the Rams did have some very exciting games with the 'aggie fighting spirit' showing to the whistle in every outing.



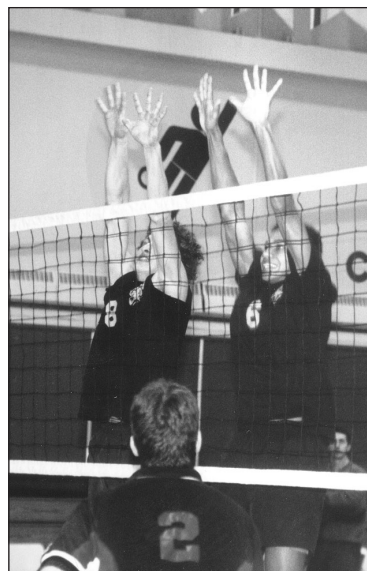
NSAC Women's Basketball Team after winning ACAA Championships at Mount Saint Vincent University in March 2002.

Club Golf

A team of four students and a staff member represented NSAC in the Atlantic University Sport/Atlantic Colleges Athletic Association (ACAA) Golf Tournament in October at the Truro Golf Club. Students Jon Garron, Peter Kierstead, Jeff Goldman, Ryan MacDonald and staff member Fred Fergus brought in a score of 331 good for 4th place.

Badminton

After a one year leave of absence, the Rams were pounding the shuttles once again in ACAA play. All league tournaments were attended with team finishes in 3rd -5th range. Natalie Chaisson was the top finisher for NSAC in most events. After a slow start, all categories were filled, with the year of learning being an important factor for future development and results.



Barrett Gaunce (#8) and Marcus Schroeder (#6) reject a UNBSJ attack in ACAA league play.

Volleyball

It was also a tough year for the volleyball squads. The women just could not put three good games together, although they showed signs of brilliance in each match. The men had a difficult start losing a number of players to graduation the previous year and their Head Coach because of an employment opportunity elsewhere in October. Although two very capable coaches continued to lead the charge, the guys did not get back on track. Both teams finished out of the play-offs.



Soccer

It was not quite so good a year on the green for the soccer squads. The women struggled to find the net all season and ended league play in 5th place and just out of the play-offs. Although improvement in the squad was evident, they will be looking to add a couple of 'sharp shooters' next season, to find the back of the net.

The men did have their sites set on a berth in the final and finished 4th to qualify for the play-offs. They met UNBSJ and within minutes of the start of the game suffered a set-back - a serious injury to one of their players and could not recover resulting in a 4-1 loss. (The injured player recovered after a brief hospital stay.)

Brent Craig - first year - weaves around UNBSJ player in ACAA league action.

Woodsmen

The 'woodlot crew' attended their usual four major meets and came away with great finishes in each one. Canadian Intercollegiate Lumberjack Association (CILA) participation provided the team with a great rivalry among the top few teams in each category and runners-up for MVP awards.



Club Rugby

The rugby sides had an exceptional year on the pitch. The women finished the season with an exciting win over the University of Kings College for the College Championship. The men defeated Univeristy College Cape Breton for the NS Rugby Union Division II title and then traveled to Fredericton where they captured the Maritime Title defeating UNB Div II.

Club Hockey

A keen group of players were selected from NSAC Intramurals and games were held against local and College competition. The team traveled to Mt. A and also participated in an NSCC tournament in Truro. Although competition was difficult to find, the NSAC squad had several practices and enjoyed the opportunity to have the 'extra-mural' experience.

Robyn Poole and Kelly Cousins, Woodsmen Team members practice at the lot for the UNB meet October 2001.

Young Agrologist 2002, continued from page 5

2001, the 'Entrepreneurial Achievement Award' from the Bridgewater and Area Chamber of Commerce and in 2002, the 'Retailer of the Year' for Eastern Canada through the Canadian Gift and Tableware Association and one of three finalists for the 'Outstanding Farm Marketer of the Year' from the North American Farmers' Direct Marketing Association.

Kyla is dedicated to the betterment of the agricultural industry through her career, her business, her outside interests and her belief in Nova Scotia agriculture. Through her business she has supported local agricultural groups such as 4H and the Federation of Agriculture along with the local community. In June, 2001, the Market constructed and

donated a portion of the Centennial Trail to the Town of Bridgewater. In the fall of 2000, 4,200 Spring Bulbs were donated to the Town. The Market sponsors numerous community events and provides donations for charitable activities including food banks. 📷

Athletic Awards

Most Improved Player

Women's Soccer	Natalie Chiasson
Men's Soccer	Adam Mermuys
Badminton	Jessie Malone
Woodsmen - female	Robyn Poole
Woodsmen - male	(R.J.) Robert Dillman
Women's Volleyball	Angela Newell
Men's Volleyball	Marcus Schroeder
Women's Basketball	Jenna Tait
Men's Basketball	Mitch Thomas
Club Rugby Women	Laurena MacDonald
Club Rugby Men	Andrew McIsaac

Rookie Award

Women's Soccer	Helena Cotter
Men's Soccer	Brent Craig
Badminton	Natalie Chiasson
Woodsmen - female	Heather Fulton
Woodsmen - male	Ryan Weeks
Women's Volleyball	Cindy Duff
Men's Volleyball	Dan Hunt
Women's Basketball	Lindsay MacCormack
Men's Basketball	Nathan Bokma
Club Rugby Women	Jen Mazerole
Club Rugby Men	Chris Frizzell

Hustle Awards

Women's Soccer	Kathryn Bremner
Men's Soccer	David Cooper
Badminton	Billy Williams
Woodsmen - female	Heather Day
Woodsmen - male	Nick Graham
Women's Volleyball	Maria Didkowsky

Men's Volleyball	Marc Zwaneveld
Women's Basketball	Sarah Connell
Men's Basketball	Craig Curley
Club Rugby Women	Robyn Byers
Club Rugby Men	Matthew Clark

Outstanding Athlete Awards

K.S. Marchant Award

Technical:Barrett Gaunce, Volleyball, New Scotland, NB
 Degree:Ryan Gaunce, Volleyball, New Scotland, NB

Athlete of the Year

Female:Connie Spacek, Collingwood, NS
 Male:Trevor Dillman, Middle Musquodoboit, NS

Canadian Colleges Athletic Association

Academic All Canadian:

Sarah Connell	.Basketball
Connie Spacek	.Basketball
Rebekah Nason	.Volleyball

All Academic Athletes - NSAC/ACAA/CILAC/CCAA Awards

Volleyball

Barrett Gaunce
 Ryan Gaunce
 Marcus Schroeder
 Maria Didkowsky
 Cindy Duff
 Janelle Frail
 Olivia Harvey
 Rebekah Nason
 Angela Newell

Basketball

Kathryn Bremner
 Sarah Connell
 Leanne Doyle
 Sam Legere
 Lindsay MacCormack
 Carla Shaw
 Connie Spacek
 Jillian Tozer
 Coby van der Giessen
 Mike Ackerley
 Nathan Bokma
 Angus MacDonald

Woodsmen

Matt Walker
 Kelly Cousins
 Shari Nelson
 Tara Neal
 Natalie Balsom
 Robyn Poole
 Amy DeGroot

Soccer

Alyson Bremner
 Kathryn Bremner
 Denyese MacDonald
 Alexis McDonald
 Sarah Sine
 Karen Speer
 Jeff Goldman
 Matt James
 Adam Mermuys
 Brett Tremble

Badminton

Erica Allen
 Trevor Bezanson
 Tim Cushing
 Mason MacDonald

LOST SHEEP

Every year members of the NSAC family become lost due to a move or change in address. We are unable to keep in touch with these alumni to share important information about happenings at NSAC and news from their fellow classmates. We make every effort to keep the mailing list up-to-date by calling and following leads. The Internet and alumni website serve as an increasingly important tool in this regard.. Everyone can help. If you know of someone on the lost sheep list please give let us know at (902) 893-6721.

Allen, Colleen 1998	Ingemansen, Jennifer	Morrison, Edward 1966
Allen, Heather 2000	Jacquard, Debra	Mullin, Christine
Baker, Shauna	Johnson, James 1985	Murphy, Jason 2000
Banks, Gregory 1982	Jones, Lawrence 1981	Neily, William 1990
Barnes, Keith 1981	Kempton, Graham . . . 1987	Nelson, Hugh 1976
Bateman, Jennifer 1997	Kennie, Jan 1995	Nixon, John 1970
Bernard, Mary 1976	Laidlaw, Arthur 1920	Oakley, Lottie 1998
Blynn, Joanne 1990	Lawrence, Charles . . . 1948	Oickle, Melanie 1996
Bourque, Nicole 1971	Layden, Richard	Ottersen, Trevor
Bradley, Krista 1998	Leonard, Erin	Parker, Wayne 1962
Briggins, Glen 1984	Lo, Chung 1995	Parsons, Alicia 1996
Brown, Larry 1966	Lynch, Kelvin 1975	Patterson, Heidi 1985
Bujold, Christine 2000	Lynch, David 1975	Peacock, Hugh 1920
Burke, Kelly 1985	MacCurdy, William . . 1920	Pearson, Gerald 1963
Burke, Michael 2000	MacDonald, Gerard . . 1979	Peyton, Dunely 1971
Burns, Wendy 1997	MacDonald, Judith . . . 1981	Potter, Winston 1947
Carragher, Kenneth . . 1992	MacDonald, Rosemarie 1997	Pratt, Carrie
Carter, Tina	MacDougall, Allan . . . 1980	Price, Doris 1979
Cavanagh, Kenneth . . 1987	MacDougall, John . . . 1920	Riggs, Cherie 1998
Chant, Andrew 1991	MacIntyre, Peter 1989	Ring, Ryan 1999
Choi, Hyung-Joon	MacIntyre, Alan 1989	Ripley, Kyla 1994
Clarke, Chad 2001	MacKay, Donna 1977	Robertson, Kimberly . . 1989
Colson, Dawn 2000	MacKemu, Stacey	Robertson, Karin 1999
Comeau, Alain 1985	MacKenzie, Roderick . . 1928	Roth, Carrie
Cooney, Erin 1997	MacKenzie, Scott 1996	Salah, Therese
Cox, Patrick 1991	MacKenzie, Murray . . 1920	Sears, Krista 1997
Curwin, Ann 1978	MacKinnon, Joel	Shand, Henry 1964
Doiron, Brian 1993	MacKinnon, Joel 1998	Sheffer, Gregory 1979
Doucette, Lisa 1998	MacLeod, John 1963	Simpson, Allyson
Dube, Claude 1978	MacLeod, Cedric 1999	Slaunwhite, Crystal . . . 1998
Dwyer, Colleen 1978	MacLeod, John 1983	Smit, William 1977
Eisener, Donald 1974	MacLeod, Helen 1975	Snow, Jennfier 1996
Enman, John 1971	MacMurdo, William . . 1988	Spence, Tricia 2000
Ettinger, Leisa	MacNeil, Katriona	Spence, Jill-Anne 1999
Eyking, Mark 1980	MacPhail, Shane	Spinney, Steven 1986
Faulkner, Michael 1997	MacQuarrie, Allastair . 1970	Stapleton, Michael . . . 1965
Fawcett, Christine 1978	Mahloney, Leo 1964	Steele, Karyn 1999
Gerrior, Tanya	Main, Michael 1988	Steen, R Michael 1986
Gerrior, Crystal	Marr, James 1976	Stewart, Peter 1946
Gray, Helen 1991	Masters, Angela 2001	Thompson, Kevin 1995
Green, Mary 1979	Matheson, Isla 1988	Thomson, Heather . . . 1995
Haimes, Robert 1966	Mazerolle, Scott	Umlah, Johnathan
Hamilton, James 1974	McDonah, Roderick . . 1945	Vardy, Tanya 1999
Harlow, Charles 1932	McDow, Eva 1984	Walker, David 1993
Harvey, Neil 2001	McFadden, Alexander . 1953	Wanamaker, Barry . . . 1999
Harvey, Wayne 1972	McKenzie, Archie 1926	Watson, Andrew 1986
Hendrickson, Paul 1969	McLachlan, Margaret	Weatherbee, Margaret 1995
Henry, Roger 1977	McLean, Elwood 1923	White, Danny 1982
Herbert, Jodi 1999	McNamara, Mary . . . 1971	White, Brian 2000
Hicks, Dwayne 1962	McPherson, Troye 1982	White, Christopher . . . 1995
Howe, Johnathan	Mills, Carman 1996	Whitelaw, Robert 1988
Hudder, Joseph	Mintis, Howard 1962	Willett, David
Hughes, Pamela 1979	Mooney, Brandy 1996	Yeo, Peter 1987
Huynh, Minh	Morrison, Lloyd 1961	

In Memoriam

Louis Robicheau

Class 1937

January 15, 2002

Alexander 'Sandy' Griswold

January 27, 2002

Charles Henry

Class of 1947

Adair Stewart

Class of 1971

David Lambrechtton

Class of 1948

Lawrence Ells

Class of 1953

Dr. Herb MacRae

Class of 1952

June 24th, 2002

Farm Family, continued from page 7

International Organization of Safe Homes for mentally handicapped people. Jim is also a Mason.

In addition to serving as a 4-H leader for 20 years, Ferne was involved in the Women's Institutes for ten years. There she served as Provincial Convenor of Agriculture. She is currently on the Board of the Strait Area Chamber of Commerce.

Together Jim and Ferne regularly attend the North American Farm Market Association Conferences and were co-hosts of the conferences summer tour in 1999. The Austins also have the distinction of being featured on the cover of 'Country Guide Magazine'.

Jim and Ferne have five (5) children. They include Heather - 28; Sandra - 25; Patrick - 24; Lindsay - 22 and Victoria - 19. All are involved in the various aspects of the farm. 🏡

Look Who's Talking!

Look Who's Talking is a regular feature of Agricola News. An alumnus, each issue discusses his or her thoughts on various topics relevant to the NSAC. This issue, we invited Duncan McCurdy, Class of 1990 to take time to sit down and talk with us.

This Fall you will celebrate your 12th class reunion. What memories does this bring back of your College days?

I have fond memories of my time at NSAC - meeting future peers in the industry and the variety of professors who shaped us. The personal contacts you make are one of the more important and lasting aspects of the NSAC experience. I particularly liked going "on tour" to see various farms and Ag industries. The social aspects - leaf shafts, floor parties, the Pond, showing pigs and freezing at College Royal - these are good memories.

What do you see as the most significant and positive changes in the NSAC since you were a student?

I think the expanded graduate student program has potential to do important research for the industry. There are also better research facilities now.

This issue of the Agricola News highlights climate change and its impacts on the agricultural sector in Atlantic Canada. How do you think the significant changes in our climate are affecting the industry and in particular your farming operation? What actions have you taken on your farm to counteract them?

I would say that climate change has meant more extremes - more extended dry periods, more heat, extreme rainfalls, more

insects, more variability within the province. We certainly accumulate more heat in general than we did in the past.

This has changed some cropping practices. We have tended towards more heat loving crops like corn and soybeans and we have more varieties to choose from with higher heat ratings.

We also have more opportunities to establish cover crops in erosion sensitive situations (ie after corn silage harvests) and sometimes opportunities exist for a double crop situation (maybe three crops in two years)

On the negative side, more extreme heat and drought have hurt production of some of our traditional crops, shallow rooted forage and pasture the most significantly and this has hurt production in systems reliant on these production methods particularly beef and sheep sections.

On the negative side, more extreme heat and drought have hurt production of some of our traditional crops, shallow rooted forage and pasture the most significantly and this

has hurt production in systems reliant on these production methods particularly beef and sheep sections.

On my own farm, we assume that "drier is the new norm." We grow more corn than in the past as our "insurance" crop and harvest it both as silage and grain depending on our needs. We no-till seed as much as possible to conserve moisture and time. We also try to maximize first-cut yield, where moisture is usually adequate.



Duncan McCurdy, Class of 1990

What do you feel are significant areas in which NSAC researchers should concentrate on in this area?

I think that no-till cropping with its potential to build soil organic (hence carbon) levels (a carbon sink) and reduce erosion (particularly with our extreme slopes) is a logical research area. With our extensive livestock industry in the province, issues related to manure and nutrient management will also have impacts both on greenhouse gas emissions and crop productivity. We also need to become much more aware and better able to maximize our productivity of water usage.

Duncan and his wife Suzanne (Class of 1990- Animal Science option) live at BayBend Farm, a 400 acre operation named for its location on the bend of the Bay of Fundy in Old Barns.

Duncan is a third generation farmer milking approximately 100 cows. He and his wife Suzanne, together with daughter Ella and son Caleb grow corn, soybean, alfalfa, grass, barley and winter rye.

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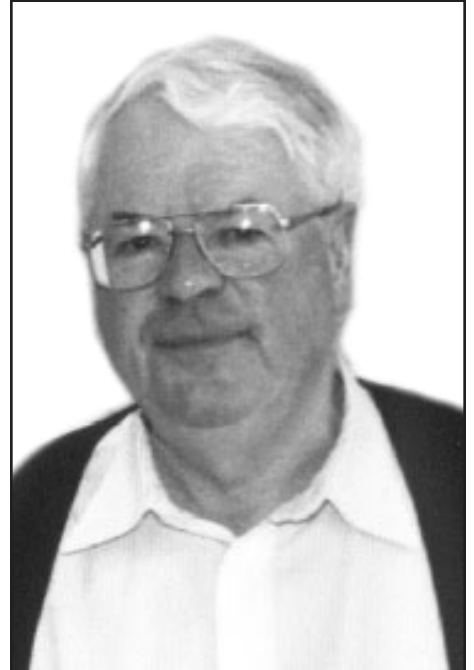
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