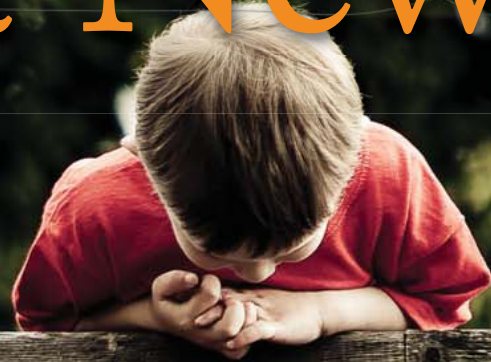




For the alumni and friends of Nova Scotia Agricultural College

Agricola News

Volume 35, Number 2, 2010



NSAC Launches
New Ring
Pg. 9

NSAC is
Everywhere
Pg. 12

Look Around...



Nova Scotia
Agricultural
College

NSAC. Embrace Your World.

Agricola News

For the alumni and friends of Nova Scotia Agricultural College

A Message from the Editor



Dear Friend,

When I first started planning for this edition of *Agricola News*, I found myself stumped at how I could connect all of the great articles I wanted to share with you, into one theme. The more I thought about it, the more difficult it became. I had compiled so many great alumni stories and so many neat articles on things happening at NSAC, I didn't want to make any cuts.

It was then that I realized the theme of this edition would be "Look Around".

Thinking back, the easiest part of planning for this edition was gathering the content and story ideas. All I had to do was take a look around.

Everywhere I looked, NSAC was there.

NSAC is all through the news, whether our alumni are being profiled for their exceptional work as zoo keepers and landscape designers, or NSAC launching their new ring. We have alumni working for some of the world's largest companies and we have alumni winning all types of awards. NSAC's brand itself has even been popping up all around the local community, in some very interesting ways.

By taking an even closer look at NSAC you'll quickly notice the unique things happening right on campus, such as construction of NSAC's new TREEhouse and the leading-edge ACAI building. As always, there is also lots of innovative research being conducted and many students being offered some amazing opportunities.

So, take a look inside this edition to read about what's happening with your *alma mater*. From now on, I encourage you to always look around, as you never know where NSAC will be.

Enjoy this edition of the *Agricola News*!

Regards,

Alisha Johnson

KEEP IN TOUCH! Follow us Online

You can now reconnect with former classmates, hear about events and find out what's going on at NSAC by following us online. Join us on the following social media sites:

Twitter: twitter.com/nsacu

Facebook: facebook.com/nsacu

YouTube: youtube.com/nsacalumni

If you haven't already, sign up for our monthly alumni **e-News** by sending a request to alumni@nsacu

To request your version of **Agricola News** electronically e-mail us at alumni@nsacu

"In Touch!"

Submissions for the regular feature in *Agricola News* can be sent to alumni@nsacu, through a Facebook message, or by mailing the Development & External Relations office, PO Box 550, Truro, NS B2N 5E3

Address Change

Update your address by calling 902-893-6721, e-mailing alumni@nsacu or fill out our online form at nsacu.ca/alumni/update



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NSAC Launches New Ring

Fingers around the globe will now be looked at a little closer to identify a rare group of people who have shared a similar experience. NSAC has launched a new official ring, a symbol, second only to the degree or diploma, which can immediately identify individuals as graduates of NSAC.

HIGHLIGHTS

NSAC Builds a TREEhouse

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The normal response of a person to a rundown house with no occupants is to tear it down. NSAC's researchers don't respond normally.

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NSAC's \$7 million state-of-the-art Atlantic Centre for Agricultural Innovation (ACAI) is leading by example with innovative, environmentally-sustainable design, construction and operation practices.

From the Lawn to the Furnace

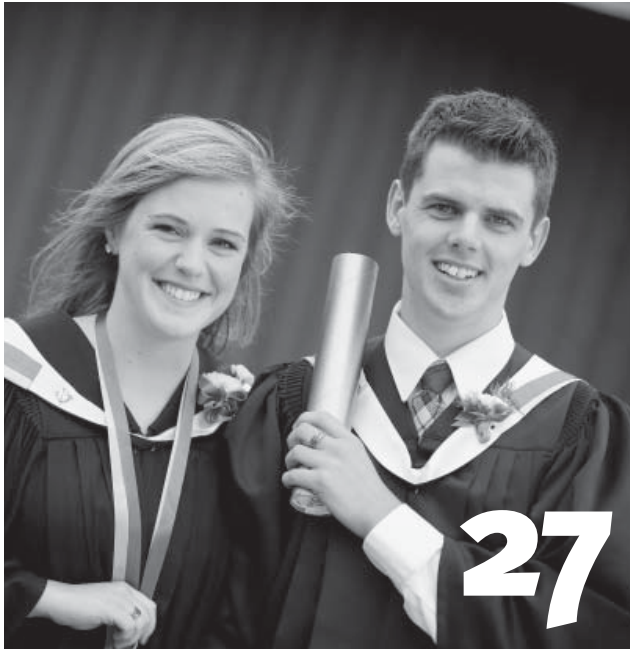
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Right now, a field of grass may look like a waste of space to you. But it could soon prove to be an affordable, efficient, and environmentally friendly heating source.

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Nova Scotia Agricultural College celebrated its 105th Convocation ceremony, Friday May 7th, 2010 in the Langille Athletic Centre with 174 students participating.



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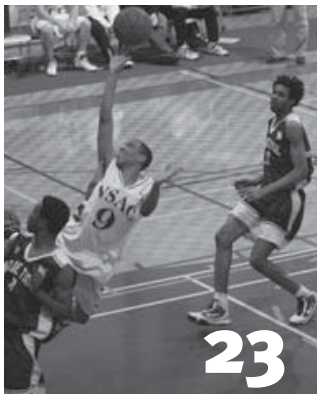
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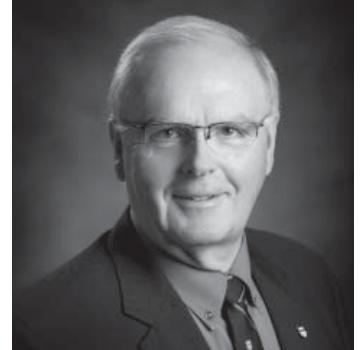
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A Message from NSAC's Co-Presidents

As co-presidents of Nova Scotia Agricultural College, we are very pleased to provide you with an update on the activities and developments taking place at your alma mater.



We are just now unwinding from the flurry and excitement of NSAC's 105th Convocation.

As always, Convocation is a highlight for us, our favorite time of year. Over 170 students proudly received their degrees and diplomas during the ceremony, as the graduating class of 2010, the newest members of NSAC's Alumni Association.

As we prepared for Convocation, we were reminded that it's been 25 years since we graduated our very first degree class. NSAC sure has come a long way! With enrollment predictions looking promising for the coming fall, this growing trend can only continue.

This success may be attributed the positive student experience NSAC provides. In the recent comparison of Canadian universities in the *Maclean's* magazine, NSAC was distinguished as a university of choice from a student experience perspective for prospective students.

For the second year in a row our students, through both the surveys conducted by the National Survey of Student Engagement and the Canadian University Consortium, placed NSAC at or near the top of many categories. Ninety-six per cent of our final year students rated their entire educational experience at NSAC as 'very good' or 'excellent' - the top Atlantic university rated and number three in Canada.

Ninety-five per cent of our graduating students rated the quality of teaching at NSAC as 'high'. Additionally, 97 per cent of our graduating students found the learning experience at NSAC was 'intellectually stimulating'.

For this, we are very proud!

Another highlight of the past academic year was the introduction of our new International Food Business program. NSAC partnered with the Dronnten University of Applied Sciences (the top business school in The Netherlands) to provide this exciting new opportunity. NSAC students participating in this program are looking forward to studying in Dronnten next year.

The success of research and our researchers at NSAC continues to be remarkable. As we develop new partnerships and innovative projects, NSAC clearly is making a huge impact.

Nearly \$2.4 million was received from the Atlantic Innovation Fund over a five-year period to aid in the development of Smart Christmas trees or "A" grade trees with all the desirable attributes

and technologies to control needle drop.

NSAC will also benefit from \$7 million in funding from the Province of Nova Scotia and the Atlantic Canada Opportunity Agency for the construction of the Atlantic Centre for Agricultural Innovation at NSAC, which you will read about in this edition.

One of our researchers making a difference is Assistant Professor, Dr. Chris Cutler who became the first recipient of the Agricultural Institute of Canada's (AIC) Sustainable Futures Award. The award recognizes a young professional who shows great potential as an innovative leader; as an integrator and communicator and as someone who understands and supports the economic, environmental and social elements of sustainability.

Dr. Cutler has developed a highly-respected and innovative research program in blueberry entomology that addresses issues important to both the agricultural industry and the science of sustainable crop production.

On the governance front, a Tender was issued in April to request proposals from specialists interested in helping with NSAC's Governance Transition Project. It is anticipated that the full-time project team will be a combination of internal staff under reassignment and external consultants. This strategy, with appropriate backfilling as required, will help minimize the impact on the daily operations of NSAC and its departments.

This update outlines only a few of the great things happening at NSAC. Keep reading through this publication to see what else is taking place at NSAC, as well as where other alumni have been and what they are doing. As this edition of *Agricola News* highlights, you just have to 'look around' as NSAC really is everywhere!

Sincerely,

A handwritten signature in black ink, appearing to read "Leslie A. MacLaren".

Dr. Leslie MacLaren
Co-President, Vice President Academic

A handwritten signature in black ink, appearing to read "Bernie MacDonald".

Dr. Bernie MacDonald
Co-President, Vice President Administration

Letters to the Editor

Hi Alisha,

My husband Mark and I received our *Agricola News* (January edition), we're both NSAC alumni (and both work at NSAC and NSDA). I just wanted to let you know that we think the latest *Agricola* looks awesome...the design is great and the articles highlight many of the wonderful things about NSAC. I especially like the "Look Who's Talking", "Around and About" and "In Touch" sections...it's great to see what everyone is up to!

Great job and we can't wait to see the next edition!

Erin (Bourgeois) MacPherson (Class of '01 and '04)
Mark MacPherson (Class of '93)

Dear Editor,

I hoped you would find my "Cow Show" article interesting enough for the *Agricola News*, but I was surprised to see it on page three. Thanks for the recognition.

I found the format and content of the magazine to be attractive and interesting, I think better than before.

I noted that the units of electrical power and energy were incorrectly stated in the article on wind turbines (page 10). Electrical POWER is the RATE of generation or consumption of electrical energy, and it can also be expressed in horsepower. Electrical Energy is commonly expressed as kilowatt-hours and is a cumulative value of energy generated or expended, i.e., so many kilowatts times so many hours. You will see kilowatt-hours, your electrical energy used over a period of time, on your household electrical bill. Thus, line 13 of this article should say "2.4 kilowatts", and the last line on page 10 should say "110,000 kilowatt-hours". The error may not be noticed by most people, but I am an electrical engineer. NSAC's physics department can confirm what I say.

The *Agricola News* is 99 percent accurate as far as I can tell, and I appreciate reading it very much.

Best wishes to you all!

Bernard G. Kuhn

Outstanding Annapolis Valley Students Recognized at NSAC

Outstanding Annapolis Valley students at NSAC were recognized at a reception for their academic achievement during the past year by being named to the President's List. Co-President and Vice-President Academic, Dr. Leslie MacLaren, is shown offering congratulations to: left - Benjamin Davidson, Wolfville, NS, a first year Diploma in Enterprise Management - Dairy Farming student; Ashleigh Whitman, South Farmington, NS, a fourth year B.Sc.(Agr.) Animal Science student; Rebecca MacLellan, Wolfville, NS, a third year B.Sc.(Agr.) Animal Science student; and Paul Manning, Canning, NS, a first year B.Sc.(Agr.) Environmental Sciences student.



Outstanding Prince Edward Island Students Recognized

Outstanding Prince Edward Island students at NSAC were recognized at a reception recently for their academic achievement during the past year by being named to the President's List. Co-President and Vice-President Academic, Dr. Leslie MacLaren, NSAC, is shown offering congratulations to: left - Shawn Loo, Springfield, PE, a fourth year B.Sc.(Agr.) Environmental Sciences student; Matthew Lawless, Shamrock, PE, a second year B.Sc. (Agr.) Pre Vet student; Hannah Maynard, Tyne Valley, PE, a first year Engineering student.; and Nathan Murray, Albany, PE, a third year B.Sc.(Agr.) Agricultural Business student.



Around & About...

Receives James Robb Award

Brian Trenholm (Class of '72)

In January, the Agriculture Alliance of New Brunswick presented its prestigious James Robb Award to Brian Trenholm in recognition of his contribution to agriculture in the province and his enormous dedication to the livestock industry for more than 30 years.

Trenholm attended NSAC and graduated from the University of Guelph in 1975 and shortly after began working with the NB Department of Agriculture in a number of different capacities. He has been the provincial sheep specialist for over three decades—active in all areas of the industry from supplying production information to taking leadership in marketing Easter lambs outside the province. Over the course of his career he has also served on a number of Maritime and national committees representing the industry. He has always been extremely dedicated to the producers he served and has earned a great respect from them.

Later the Department assigned Trenholm with duties as provincial fur specialist and he worked with both fox and mink producers. In the mid-1990s with the emergence of alternate livestock species he was asked by the Department to take on responsibilities as the provincial specialist for the cervid industry.

In the last ten years with emerging and changing priorities and departmental reorganizations, he has taken on other responsibilities. Since 2000, in addition to his provincial specialist duties, Trenholm has taken on the role of regional livestock development officer for the Fredericton area and has been instrumental in implementing a production club for the region's dairy farmers.

In 2008, Trenholm demonstrated incredible leadership coordinating the evacuation of more than 300 dairy and beef cows when the Saint John River Valley flooded. He spent countless hours working with farmers and the Emergency Measures Organization to ensure that assistance was available to producers. His work was pivotal in the success of the evacuation.

It is in recognition of his outstanding dedication to the advancement of the agricultural industry in the province of New Brunswick that the Agriculture Alliance of New Brunswick takes great pride in presenting the 2010 James Robb Award to Brian Trenholm.

*As printed in Farm Focus, April 8, 2010
Reprinted with permission.*

The Full Meal Deal

Glenda O'Brien (Class of '78)



NSAC alumna Glenda O'Brien knows just the right ingredients to make a delicious lunch. From the perfect pickle, to the creamiest cheese and the mightiest slice of meat, she has it down to a science.

For the past 15 years, Glenda has been working for the world's second-largest food company, with \$50 billion in revenues, Kraft Foods.

"I have my dream job," Glenda says.

Glenda began her career with Kraft in 1995 at their Ingleside, Ontario cheese plant. After working her way through a number of roles, she assumed her first plant manager position at a Jello pudding plant in Scarborough, Ontario. Over the next few years, Glenda continued to climb within the company as she moved to a corporate leadership position at Kraft Canada for dairy and convenient meals, and then on to progressive plant manager assignments at Kraft US locations producing Claussen pickles, as well as, Oscar Mayer bacon and ham.

Since 2009, Glenda has been plant manager of one of Kraft's largest facilities, an Oscar Mayer turkey plant, in Newberry, South Carolina. With close to 3,000 employees, the plant includes a slaughter operation that processes nearly 10 million turkeys annually to deliver Oscar Mayer cold cuts to US consumers.

Glenda says working for such a large food producer has changed her perspective on food. "It's amazing to see how much research, teamwork and daily effort is necessary to ensure our consumers get safe, nutritious and delicious food products. I am proud of the fact that Kraft Foods procures ingredients from around the world and provides a livelihood to many. Knowing we play an important part in feeding the world is highly motivating."

On a typical day, Glenda arrives at the office at 7:30 a.m. to prepare for a multitude of meetings. Her day might include a senior staff meeting reviewing progress in the areas of safety, delivery, cost, quality and morale and adjusting programs to drive the necessary results. A significant portion of her time is spent developing business strategies, as well as coaching her team and developing their managerial skills. On any given day, she may need to review and report on financial results, participate in a quality audit debrief, meet with suppliers or develop/review/interpret plant procedures. She may be called upon to get involved with employee issues or to participate in reward and recognition activities.

"I like the variety being a plant manager brings," Glenda says. "Every day you need to call on your leadership skills, your motivational and coaching tools, as well as your business savvy. There is a new challenge around every corner."

With Glenda's resume, it's no wonder she considers herself a "foodie." "I love all foods," she says. "But if I was going to a deserted island, I'd have to bring along pasta covered with cheese, and potatoes of any kind."

Although that may seem like a strange combination, the potatoes may have something to do with her heritage. Glenda was born in Summerside, PE and grew up in Bedeque.

With the little spare time she has, Glenda, along with husband, Pat (also Class of '78), enjoys cooking, gardening, reading, boating and an occasional game of golf. She also makes time to volunteer for charitable events, has served on several boards and is a Rotarian.

As for what Glenda's future may hold - a chocolate factory, perhaps?

Farm Credit Canada Honours *Jeannie van Dyk (Class of '78)*

NSAC alumnus Jeannie van Dyk was one of five women recognized by Farm Credit Canada (FCC) for her leadership and commitment to the Canadian agriculture and agri-food industry and is the proud recipient of a Rosemary Davis Award.

Each award winner represents an FCC business region in Canada. These impressive women truly shine as outstanding role models in their communities and within the agriculture industry. They all have pursued very successful careers in agriculture.



The award was created in 2005 to honour Rosemary Davis, FCC's first female board chair. Rosemary was a successful agri-business owner and operator for many years and active in the industry. Judging criteria for the award includes demonstrated leadership, community involvement and making a difference in agriculture by displaying passion for the industry and a clear vision for its future.

Courage, determination and passion are qualities that all of the winners possess. They have followed their dreams and taken

the time to share their knowledge with others in support of the future success of the Canadian agriculture industry.

Jeannie is co-owner with her husband John McLellan of a dairy operation with 90 cows and 415 acres of pasture forage and corn in Noel Shore. She's also a partner with her brothers Peter and Charles in van Dyk Blueberry Enterprises, a low bush blueberry operation, which consists of 600 acres of blueberry land and 400 acres of forest.

Jeannie spent five years as a provincial swine specialist with the Nova Scotia Department of Agriculture. She was the first female to work with the livestock branch, conducting extension work.

In 2007, she became the first female chair of the Farmers Cooperative Dairy, an organization of which she is very proud of.

"I believe that success doesn't magically appear. You have to look for it and work towards it. I consider myself fortunate to be involved in agriculture today. It's a complex industry and I wouldn't want to do anything else. As people's ideas about the food they eat and how it's produced continue to evolve, we are faced with new challenges," she says.

Jeannie also believes in lifetime learning and enjoys working with youth and learning from them, as well as sharing her knowledge in various roles as a 4-H leader, teacher of agriculture exploratory to middle school students, teacher of a swine production course at NSAC and guest lecturer at the university on topics such as rural communities, local agricultural processing and success in agriculture. Jeannie loves working with young people and encouraging them to pursue their dreams in agriculture.

Landscape Designers Create Beauty, Function *Heather Kelly (Class of '91)*

Creating beauty and function is the work of landscape designer Heather Kelly.

A native of Moncton where she still lives, Heather owns In Designs, where she's engaged in the business of optimizing her clients' full landscaping potential in Metro Moncton and beyond.

Hers is a family agricultural background, farming, and remaining faithful to that influence -- yet choosing her own path, she studied landscape design in a two-year program at NSAC.

In the business since 1991 as a landscape designer, her job is to transform a perhaps difficult landscape into one that's picture-perfect.

That can be accomplished in any number of ways, the only limit being imagination and functionality.

Each landscape creation is customized to fit specific needs.

"A landscape designer is basically putting together residential and commercial designs for outdoor living spaces," says Heather, "and I guess for In Designs myself here, we try and create unique and modern landscapes with the trends. Everything is changing styles. Basically, it's to create an outdoor living space for people to make it cozy. It's backyard patio areas -- and now there's outdoor lighting that we incorporate in that and sound systems ..."



A landscape designer focuses on the artistic merits of re-creating a landscape, and there are a number of issues that have to be taken into account. Soils, drainage, climate, leisure motivation, lifestyles and taste -- what the function of the property is in general.

Beauty is always at the heart of the finished design, whether it is residential, commercial (raising property value and occupancy rates), public buildings, schools or institutions.

Even parking lots, a feature of every city and suburban area, reflect landscape design. While minimum landscaping is required for parking lots, convenience and accessibility are prerequisites, as is well-placed tree shade to reduce heat and glare.

Residential landscaping, however, represents the majority of requests.

In addition to adding curb appeal to your property, a landscape designer is trained to help the landowner realize landscaping preferences and expectations.

Often it's creating solutions for esthetically pleasing gardens, storage areas, walkways, parking areas and the like.

Reflecting the homeowner's taste and needs, the outdoor is simply an extension of indoor living space and should always be a pleasure for the family using it.

Whether it's a small or large-scale project, there is indeed a great deal of effort involved -- and it all starts with the very necessary consultation.

"That's basically just for a customer and myself to get to know each other, and I ask quite a few questions. What they're looking for in their landscape, any privacy concerns with neighbours or sound barriers -- how many parking spaces in their driveway, and different accesses around their property for walkways. Where to position a pool, a gazebo, fences. It's everything they've been thinking about and the next part is the site analysis. I measure the property, measure the house lines and the property and any elevations, and take pictures.

"Next I do a concept plan and meet with them with a rough sketch of all the ideas put together. That's the point where we hash things out, talk about everything and make some changes if necessary. In the end is the finished landscape plan. It's drawn to scale. Everything is labelled and detailed."

Once all plans are in place, contractors are hired, but Heather's got that covered too as her company does installation and construction as well.

Additionally, drawing from the original plan, customers can have their property landscaped in stages, with an additional por-

tion being done every year and "in the end it all flows together".

From landscaping an entire property to maybe just a front entrance or backyard design, the client should always be in the driver's seat as to just exactly what takes place during landscaping.

In any event, it can be a lengthy and labour-intensive undertaking, and while customer affordability is a primary consideration, just like interior decorators, architects and others in a similar industry, landscape designers provide a professional service.

A well-designed building or pleasing interior is important to the overall success of your property, and so is the enhanced landscape that surrounds it.

New construction homeowners usually seek the services of a landscape designer, but tastes and lifestyles also change -- as do concepts of landscapes from a cross-cultural perspective. Empty-nesters often avail themselves of landscape designers when renovating or re-thinking their property.

Heather's nest is far from empty, though. Her son Blake, 16, and daughter, Tory, 11, are both involved in sports, and it often takes creativity just to juggle schedules. Being creative, though, is what Heather likes best, and she enjoys being a landscape designer.

"Some of them (projects) are quite in depth with a lot of thinking," she explains. "It's nice that each property is different."

As printed in the Times & Transcript online edition March 20, 2010. Reprinted with permission.

Award Winning Farm, Award Winning Game Sarah Mitham (Class of '78)



Sarah Mitham credits one of her most enjoyed hobbies for encouraging other people to pause and take a closer look at what she, as well as many other NSAC alumni, does for a living.

"People from around the world have opened their eyes wider, they've been given an experience and new perspective," says Sarah.

But it's no wonder, with more than 80 million monthly users, Facebook's virtual world game, FarmVille, has become very popular among experienced and beginner farmers alike.

Sarah says the social game is applicable and relatable to the typical tasks her and husband, Bruce (Class of '78) deal with on their nearly 600-acre dairy farm in Norton, NB. "You have to be very organized and everything has an order it needs to be in," she says. "You have to choose your crops wisely so you can harvest them at a certain time."

FarmVille players build and establish their farms by planting, harvesting and selling crops, as well as caring for and acquiring animals and foliage and maintaining buildings. Earlier this year

FarmVille was awarded the title of 'Best New Social/Online Game.'

"I really enjoy signing on to FarmVille and checking out my 'neighbors' farms to see what they've done and to help them out," Sarah says. Some of Sarah's FarmVille neighbors include never before met relatives who live in England.

Another element of the popular game is to earn points by fertilizing neighbor's crops and feeding their chickens.

"I have a friend who tells me to get a 'real job' every time I talk about FarmVille," says Sarah. "She says it's too time consuming!"

This realization could be attributed to a new appreciation for the dedication that goes in to milking cows, feeding chickens, building barns and caring for crops.

If Sarah is careful about the decisions she makes with her FarmVille land, her family is even more particular when it comes to their Rothiemay Farms property. Their meticulous style would explain the Mitham's recent title of Farm of the Year from the New Brunswick Soil and Crop Improvement Association (NBSCIA).

The association provides farmers with techniques to environmentally and economically improve their agricultural practices as they relate to soils and crops in New Brunswick.

"It's a great opportunity to learn what other farmers are doing and it gives us a chance to share ideas," says Sarah of NBSCIA.

The NBSCIA judges farms on environmental issues, nutrient management, soil and crop condition, soil and crop management, leadership in crop technology and new varieties, record keeping and planning systems.

The Mitham's grow grain, corn, clover and other grasses for their cows and those crops were inspected last summer by the NBSCIA. The farm's silo and manure storage systems also factored into the assessment.

"It was an honour to be nominated," says the very humbled Sarah of the prestigious title. "Let alone actually winning the award, we didn't expect that at all!"

Sarah and Bruce, as first generation farmers, raised five children on the farm they purchased 29-years ago. Their farm now consists of 130 Holsteins, 1,000 laying hens, a couple of goats, sheep and a llama.

Two of their children continued the family's new tradition by pursuing an education in agriculture, following Sarah and Bruce's footsteps and studying at NSAC.

"We are so proud to be farmers," says Sarah, "and we credit that to our years at NSAC and the lifelong friends we made there."

As for the only way Sarah's career and hobby don't relate, "you can have oodles of money in FarmVille," she says with a laugh. "Not to mention you keep a lot of healthy animals for a long time!"

Zookeepers Mean the World to Animals *Bernie Gallant (Class of '89)*

It's a profession that dates back at least to 3,000 B.C., and Bernie Gallant is proud of the work that zookeepers do.

A zookeeper for 20 years at the Magnetic Hill Zoo, Bernie now holds the title of animal care foreman, responsible for



the entire animal collection as well as the staff that looks after them at that facility.

Welfare of animals is at the heart of a zookeeper's long list of responsibilities.

Animals' daily needs must be met -- not the least of which is

the cleanliness of their enclosures.

Even the most basic shoveling of manure, contributes to the well-being of the zoo's animals, as harmful bacteria, parasites or viruses can cause health issues.

Animals have to be checked regularly as well, and that always begins at the start of each day -- on the look-out for newborns, or old animals that may have passed away during the night.

Taking care of animals is a 24-7, year-round team approach, and just as people are creatures of habit, so too are animals.

That means specific feeding schedules, watering and such. Keepers may have to assist zoo babies, and always a close watch is kept on them for any signs of illness or injury.

All animals at the zoo are individually monitored.

"This is what differentiates a good keeper from an OK keeper," says Bernie.

"When I walk around and when I'm feeding my animals or taking care of the animals, I see when somebody's not well. If you see any difference, you know that there's something that's not right. So when I dropped that food or I went to go to the cage and they're not at a specific spot, then I know there's a problem."

Even herd animals at the zoo are expected to act in a certain way, and any deviation from that behaviour raises a flag.

An animal suddenly withdrawing from its herd could mean something's wrong and if necessary, a vet is called in.

However, animals get flus and similar minor ailments too, and they are cared for, made comfortable and closely watched until they are well.

Good animal management means collecting data on every zoo animal on exhibit, and, of course, each species requires special attention from keepers.

As well, zoo visitors benefit from keepers' knowledge of the various species in their collection, and how to behave responsibly toward those animals while there.

In some early civilizations, privileged interaction with wild animals in this way was restricted to rulers and the wealthy, and keepers (it's not known what they were called in ancient times) also treated sick or injured animals.

Some collections in the Aztec and Inca societies required as many as 300 keepers.

More is understood now about the needs of animals, and that's reflected in present-day practices to also enrich their lives.

"It can be from simply putting in a ball that they can play with, or hiding their food a little bit so that they have to search for it. This winter we built some snowmen for the lions and put food in the snowmen. They (lions) were playing with the snowman and destroying it -- but they got to the food.

"These animals are basically ambassadors, so we also want them to be happy."

Concern is often expressed by zoo visitors about animals being confined, but Bernie stresses that enclosures mimic natural habit, and if an animal is content in its surroundings, it considers it home and has no wish to leave.

It was the enjoyment of working with animals that led Bernie to this career, and he holds a degree in animal science from NSAC.

He sees himself as more of a "naturalist" and says his work at the Magnetic Hill Zoo is tremendously gratifying.

The most difficult times would be the death of an animal, such as saying good-bye to his friend, Tomar the tiger.

Bernie is also involved with public education with respect to zoos, and he received national recognition with the first-ever Animal Care Professional Award.

He and his wife Debbie love to travel, and he enjoys seeking out zoos, sizing up layout, innovations and the like.

With a few variations, the responsibility of zookeepers is pretty universal, and it's vital that keepers have a good rapport with the animals they care for.

The love of an animal doesn't mean transferring human thoughts and behaviours onto them and expecting them to react to life as we would. Rather, it's seeing an animal as an animal and respecting them for how they see the world.

Bernie says an animal's greatest friend in a zoo is its keeper, whose responsibility it is to stay cutting-edge with their care.

"That's another thing that makes a really good zookeeper," he says. "You should never be done learning."

*As printed in the Times & Transcript online edition April 3, 2010.
Reprinted with permission.*

Atlantic Canada's Outstanding Young Farmers

**Patricia Bishop (Class of '99) &
Josh Oulton (Class of '96)**

Nova Scotia vegetable producers win honour for 2010

Nova Scotia organic vegetable producers Josh Oulton and Patricia Bishop are Atlantic Canada's 2010 Outstanding Young Farmers (OYF).

The couple from Port Williams, NS, were named at a recent banquet in Charlottetown, PE as part of the PEI Potato Expo. They will represent Atlantic Canada at the national OYF event being held later this year in Victoria, BC.

Josh and Patricia bought their first vegetable farm in 2004 with a desire to provide healthy, delicious food. Farming gives them opportunities to embrace challenges, and enjoy the independence to make decisions, adapt and grow.

"As consumers become more involved and interested in food production, farmers like Josh Oulton and Patricia Bishop are setting a great example of how to capture new opportunities while



maintaining the grassroots values of rural life," says Brian Newcombe, president of Canada's Outstanding Young Farmers program. "They are adapting and adjusting, and getting closer to their customers, and that is vital for the health of Canadian agriculture."

Josh chose farming for his lifelong career from a very young age, while Patricia took a little longer journey back to the farm. They both grew up on farms, and for Josh there was never any

other career choice. He spent much of his youth working with his grandparents. And at the age of five, he'd wait at the end of the lane for the local dairy farmer to pick him up to spend the day driving around in the silage truck. Josh attended NSAC and worked as a herdsman until he and Patricia bought their own farm.

Although Patricia grew up on a farm, she didn't initially have plans to return to her roots. She also attended NSAC and then Acadia University for a Bachelor of Education. After a short time in Western Canada, the couple returned home to Nova Scotia to raise a family on a farm.

The appeal of local agriculture – and a desire to provide a way of life that feels great and generates enough money to provide for their family – has been a strong driver for Josh and Patricia. When they made the decision to farm organically, they thought the organic produce would sell itself. But it didn't. And that's when they realized the need for a significantly different business plan if they were going to continue farming organically. The plan hinged on the launch of their Community Shared Agriculture (CSA) model in February 2009 – where customers register as "members" to receive regular food baskets of organic produce.

With an initial business model based on 100 CSA members, Josh and Patricia had found their niche when they signed up 200 members plus a waiting list. They now distribute to 108 families every week of the year, with another 100 families added in during the summer months.

Josh and Patricia have established clear, defined goals for their operation in 2010. And together with their three children – Izakk, Lily and Frank – they are living their dream to farm for themselves, their children and the health of their communities.

Celebrating 30 years, Canada's Outstanding Young Farmers program is an annual competition to recognize farmers that exemplify excellence in their profession and promote the tremendous contribution of agriculture. Open to participants 18 to 39 years of age who make the majority of their income from on-farm sources, participants are selected from seven regions across Canada, with two national winners chosen each year.

Canada's Outstanding Young Farmers for 2010 will be chosen at the national event in Victoria, BC, from November 23-28, 2010.

Universities are steeped in tradition and nothing captures the spirit of a graduate's experience more than its ring.



Look Around...

NSAC Launches New Ring

Fingers around the globe will now be looked at a little closer to identify a rare group of people who have shared a similar experience. NSAC has launched a new ring, a symbol, second only to the degree or diploma, which can immediately identify individuals as graduates of NSAC.

"This new, single ring tradition will provide students and alumni with a true symbol of NSAC," says Co-President, Dr. Bernie MacDonald. "With the purchase of an official ring, graduates will be investing in a lifelong tradition with their classmates as well as those who came before them. It truly symbolizes NSAC," he added.

"The new design is simple, yet unique with its agricultural theme. It will stand out amongst other university grad rings," said Nathan Murray, a current NSAC student.

NSAC launched its official ring to a crowd of students, alumni, staff, faculty and media on Monday, March 1, 2010 during its annual University Day activities.

"Universities are steeped in tradition and nothing captures the spirit of a graduate's experience more than its ring. A school ring represents the magnitude of students' commitments and accomplishments and NSAC is proud to introduce the institutional ring," said Dr. MacDonald.

The design direction provided to local artisan, Donna Hiebert, a jewelry designer based in Purcell's Cove was clear. NSAC required a symbol that captures the uniqueness of the university. The design features a textured pattern of barley around a simple band. Barley is a widely planted and harvested crop in Nova Scotia in the past and present day and has been used for sustaining humans and animals since early times.

"The graceful, flowing barley husk pattern reflects the fluid relationship between agriculturalists and the natural environment," explains Hiebert. "The relief design also subtly references First Nations art, thereby offering tribute to the very first agriculturalists in North America."

Even though the ring was designed based on a husk of barley, other agricultural commodities have been interpreted in the ring design. "I think it looks like a tractor tire too," said Class of '10 graduate, Dan Muir. Others have suggested the ring could also represent footprints of goats or sheep walking across campus.

Particular attention has been paid to the shape of the ring, a

simple, comfortable band, ensuring that it is not only purchased by alumni but also worn. And the response so far has been very positive.

"The new design is simple, yet unique with its agricultural theme. It will stand out amongst other university grad rings," said Nathan Murray, a current NSAC student.

Students graduating with the Class of '10 were deemed priority customers of the ring. Students were encouraged to place their ring order during the first week of March so they could take part in a ring presentation on the last day of classes, April 9th.

"I am incredibly pleased with the student's response to NSAC's newest symbol," said Co-President, Dr. Leslie MacLaren. Dr. MacLaren proudly presented rings to 28 per cent of the graduating class. "Today marks a historical moment for NSAC," MacLaren said before the presentation, "as the very first class

to start this new tradition, you have become a large part of our history."

The development and launch of NSAC's new symbol was a student-lead initiative with leadership provided by the 2009-10 Students' Union Executive.

Colette Wyllie, 2009-10 Students' Union president, believes every aspect of the ring project represents NSAC's beliefs. "The rings are handmade in Nova Scotia, by a Maritimer," she said. "Sales of the rings tie right into the 'buy local' movement. Money from students and alumni will no longer be going to a factory or a salesman's pocket."

While the focus of ring sales so far has been mostly with students and very recent grads, alumni have also had good things to say about the ring.

"The new design is one-of-a-kind, just like NSAC. I'm really excited to be able to identify other alumni through the ring," says NSAC alumnus Jenna Tingley, Class of '01.

Eligibility criteria for NSAC's ring includes degree or diploma graduates, students within their last year of study, those who studied at NSAC for two year (such as pre-vet students) and then went on to receive a degree from another professional institution, or honorary doctorate recipients.

In addition to those who met these criteria, NSAC may choose an honorary ring recipient each year. Criteria for honorary ring recipient include outstanding contributions to NSAC's community, gauged in part by a number of years of service to NSAC.

The first honorary ring was award this year during the Class of '10 ring presentation. It was very fitting that the first honorary ring was presented to Kent Loughead for his 32 years of remarkable contributions to NSAC's Athletic Centre and various student activities.

NSAC's ring is available in two different widths of stainless steel, or 14k white or yellow gold.

"I encourage graduates of all class years to consider purchasing a ring," said Dan. "The more rings on people's fingers, the louder we'll be able to shout our NSAC pride and the easier we'll be able to recognize other grads."

Rings can be ordered through NSAC's Bookstore, located in Cox, room 142 or online at <http://nsac.ca/alumni/gradrings.asp>

Watch CTV's Live @ 5's coverage of the March 1 ring launch by joining our fan page at <http://facebook.com/nsacu> and clicking on the "videos" tab.

Behind the Ring

Who: Donna Hiebert

What: Donna Hiebert Design

Where: Purcell's Cove Road, Halifax, NS

What: A local jeweler with clients in Canada, US and England.

Donna Hiebert studied jewelry as a minor at NSCAD University and for many years worked as a sculptor. One of her more familiar pieces is the wave on the Halifax waterfront. Donna decided on an artistic switch six years ago and she began creating jewelry.



"I love to make jewelry that is meant to be worn, that is comfortable and that relates to the person wearing it," says Donna.

In November, 2009 Donna opened the doors to a new gallery, attached to her home on Purcell's Cove Road.

A lot of Donna's design inspiration results from long walks with her dogs.

Growing up on a farm, she is no stranger to agriculture.

Ring Unveiling



NSAC Co-President, Dr. Leslie MacLaren, VP NSAC's Alumni Association, Dwane Mellish and 2009-10 Students' Union President, Colette Wyllie, officially unveiled NSAC's ring on March 1st.

Ring Presentation

A group of students, who were among the first to receive NSAC's ring, show off their new bling!



L-R: Eileen Beaton, Donald Buchanan, Colette Wyllie, Kelsey Harmpan, Shawn Loo, Connie McLellan, Marcus MacInnis and Dan Muir.

Dan Muir – Class of '10 A Little Piece of History



Like many NSAC graduates, Dan Muir says the memories he made during his four years at NSAC will not be forgotten. Little did he ever expect, his name has become a part of NSAC's history and likewise, will be remembered forever.

Dan's enthusiasm could not be mistaken on March 1, the day that NSAC unveiled its new ring. He was among the first of students, staff, faculty and

alumni who arrived at the event to witness the unveiling. But more monumentally, Dan became a part of NSAC's history when he placed the first order for NSAC's newest official symbol.

"I'm incredibly excited to get my ring," said Dan just after he made his order. "The design is really awesome! It's about time we have something that clearly defines our school and represents who we are."

Dan's peaked excitement with the new ring may be attributed to the months leading up to the ring launch. He and a number of other classmates were part of a panel of consults that helped direct the design.

"The moment that the designer pulled out the hand sketch of this ring, I knew it had to be our ring," he said. "The ring is so unique, just like NSAC graduates. It will help us identify our exclusive group."

Dan, who came from Merigomish, NS, to study animal science, says NSAC graduates have an edge because they are well-rounded and practical people. "NSAC graduates have a much better handle on life experiences. We understand and know things differently because we don't just learn from a book."

Dan never thought he'd play such a role in an experience as different as designing a university ring. But he's glad he had the opportunity and just like his NSAC education, it's opened his eyes. "I had no idea how much consulting and designing was involved in such a project. It's also pretty special to say you were a part of something so big and important to your university."

As one of NSAC's newest alumni, Dan hopes NSAC graduates around the world and from all graduating classes will consider ordering their own ring. "It's important to show your school pride," he says. "Plus it will help get the ring out there and we want to be able to identify with other graduates."

Dan admits it saddens him to leave NSAC's campus as he'll miss the close-knit community and the relationships he made.

But he's glad to have a very special symbol on his right hand to serve as a reminder of what he took away and what he left behind.

"I've never worn a ring before, so it's going to take some getting used to!"

NSAC's First Honorary Ring Recipient

Kent Loughead proudly displays his NSAC ring, which he received, at the ring presentation BBQ, along with students from the graduating class. Kent is NSAC's first honorary ring recipient.



First NSAC Alumnus to Receive Ring

The first alumnus to receive his ring was Brian Watts (Class of '83). Sarah Macdonald, manager of continuing education, NSAC and education representative on the PEI Agriculture Sector Council presented Brian with his ring in April at the Annual General Meeting of the PEI Agriculture Sector Council.



Brian was recently elected chair of the PEI Agriculture Sector Council. He works at CFIA in Charlottetown, PE.

LOOK AROUND...

NSAC is Everywhere!

The past few years of marketing at NSAC have resulted in higher enrolment, increased awareness and a higher media coverage rate. This year, Marketing has decided it's time to give back to the community by focusing efforts on the people on-campus in Truro and in Bible Hill.

The campaign is composed of a series of activities dubbed 'brand splashes'. The campaign itself has been branded, 'Look around..', and aims to create experiences for participants.

"We want to include people who often go overlooked or don't generally have the opportunity to be involved in activities for one reason or another," says NSAC's Marketing Manager, Sarah Morris. "We want our volunteers and the people who come across the splashes to feel like they have been part of something special. We want them to walk away with a great memory of something you don't see or can be part of everyday."

The first splash launched this past February following a few days of snow. Under the cover of darkness, a group of 10 students



When a splash is finished, video and photos taken from the activity are put together and posted to both the university Facebook page (facebook.com/nsacu) and YouTube page. A splash can run from a few hours to a few weeks with only the team members knowing the cut off times.

Aside from involving people who have a direct connection to NSAC, the hope is to also build new relationships. For a splash related to coffee, NSAC has partnered with The Olde Truro Café on Inglis Place in downtown Truro. However, the splash is ongoing so details won't be given out. While partnering with a coffee house may not seem like an obvious thing for an agricultural university, the values of the store owners (which include social and environmental responsibility, local products and community) makes them the perfect partners.

"It's time we focus on our home," says Sarah. "We get so focused on increasing enrolment that we sometimes leave out our people right here."

"It's time we focus on our home," says Sarah. "We get so focused on increasing enrolment that we sometimes leave out our people right here."

"The splashes have been branded 'Look around..' because that's what we want people to do. Slow down, take a minute out of your busy day and you just may see or be part of something you don't expect. It may be the one thing that inspires you to make a difference in someone else's life."

took over the streets of Truro and Bible Hill with snow stamps. You can see a short video of the fun the team had on NSAC's YouTube page at youtube.com/nsacalumni

Each splash is planned as a top secret project until it is launched. Only Marketing and the students, faculty, staff and/or alumni involved in the planning and execution know about the splash details before launch day. A team leader is handpicked by Marketing and then s/he is asked to pull together a list of team member names. Potential team members are then sent an invitation asking them to be part of a top secret activity.

Kaleigh Brinkhurst, team leader for the snow stamping brand splash says, "My favourite part about the splash was being able to get a group of people together and experience the NSAC spirit in Truro. After the splash I definitely felt more excited to be a student at NSAC."

"We speak about how our students, faculty and researchers work to make a positive global change. We want to do the same with our Marketing campaign. Our efforts are focused on our local community, but we are doing activities that have a goal of impacting people to the point that they make a change in their lives. If we start a random act of kindness, how far will it spread? How many people can we create a memory for?"

"The splashes have been branded 'Look around..' because that's what we want people to do. Slow down, take a minute out of your busy day and you just may see or be part of something you don't expect. It may be the one thing that inspires you to make a difference in someone else's life."

Keep watching NSAC's Facebook page for details about splashes as they happen. And don't forget to look around. Your life may change for the better if you do. •

NSAC STUDENTS PREPARING FOR YEAR OF STUDY IN THE NETHERLANDS

NSAC students will study next year at Dronen University of Applied Sciences (DUAS) in The Netherlands. They will be joining nine European classmates for year two of Dronen's Bachelor of Administration (Honours) in International Food Business. Although the two groups each studied the first year at their home university, the students know each other already - they met last August in Iceland.

"We need to offer university students new and unique experiences that truly open the world up for them," said Co-President and Vice President Academic, Dr. Leslie MacLaren, of NSAC. "This partnership with Dronen is a shining example of real international cooperation and students will be the big beneficiaries."

While in The Netherlands the students will study European business practices related to the global food industry culminating in a three-month work placement with a business in Europe. In the third year of the program, the whole class will study North American food business practices at NSAC, followed by a three-month work placement. In the final year of the program, students can choose whether to complete their undergraduate thesis in Canada or Europe.

The starting point of this exciting new International Business Degree is a one week orientation in Iceland. Hosted by University of Iceland, students explore commercial market opportunities in Europe and North America for new Icelandic food products.

"Iceland was a fabulous experience," said Susan Sipos of Maitland, NS, a first year International Food Business student at NSAC. "I cannot wait for next year in The Netherlands."

"Because of the unique European learning format, successful students in the program need to be independent learners, willing to travel and live abroad and exhibit high scholastic achievement," said Heather-Anne Grant, program coordinator. "This is a special program with limited enrolment."

Grow Your Own...

An NSAC Summer Workshop Series



Eating real food and choosing local products are two simple but effective ways to support healthy, sustainable communities.

Another is to start on your own food production journey by growing your own.

NSAC is offering a series of hands-on, practical workshops to teach the science behind the food production journey – from soil to plate - beginning in June.

"At a time when we worry about our vulnerability in being reliant on food from far away, what could be a more positive response than to grow food for ourselves on our own properties and our own community gardens?" explained Dr. Tarjei Tennessen, head, department of Plant and Animal Sciences. "At NSAC, we can show you how to manage the green urban garden and how to make best use of it for your own personal, extremely local food production."

In June, two one-day workshops will be offered on soils and composting, including soil types, soil health, making compost and planning a garden. Other workshops in the series will be offered

throughout the summer on Weeds, Tools and Pests and Preserving your Bounty.

"We are pleased to be able to offer these workshops to those interested in producing some of their own food," said Continuing and Distance Education Program Manager, Tracy Kittilsen.

"The information will give participants an understanding of the principles and practices of producing food that is not only local, but safe for themselves and the environment."

The Centre for Continuing & Distance Education at NSAC delivers lifelong learning opportunities to assist in the achievement of the personal and professional goals of its learners. What better place to reconnect with your environment than at NSAC.

For more information on the "Grow your Own" Workshop series and to register please visit nsac.ca/cde

NSAC is a specialized university that cultivates learning and research, focusing on improving and sustaining our environment for the health and well-being of society.



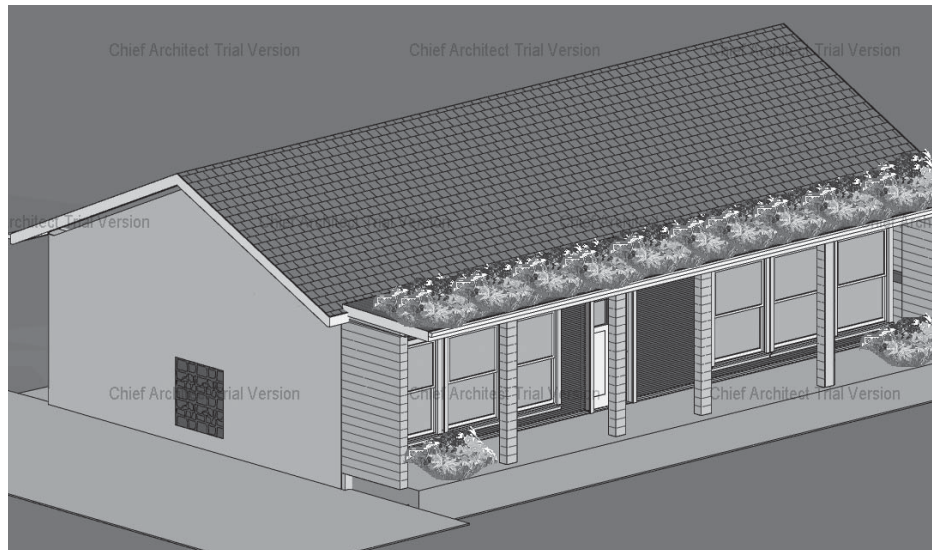
NSAC Builds a TREEhouse

The normal response of a person to a rundown house with no occupants is to tear it down. NSAC's researchers don't respond normally. Instead of seeing a decrepit building that used to be someone's home, NSAC's Engineering team, lead by Dr. Kenny Corscadden, decided to turn a house on campus into what has been dubbed, "TREEhouse".

"TREEhouse is an on-campus project to convert an older style split level dwelling into an energy efficient and eco-friendly office space. The name stands for "Technology for the Responsible use of Energy and the Environment," says Dr. Corscadden.

NSAC's TREEhouse will serve as a teaching tool, research resource and ultimate demonstration site for innovative building materials and energy efficient equipment. "TREEhouse will ultimately provide students with "green" office space that achieves a net zero carbon foot-print as well as providing information which can help homeowners identify and select materials and technologies that benefit the environment while simultaneously reducing energy costs," he added.

The team, which will involve students in as many aspects as possible, hopes to achieve these goals through various methods. The first is to have each room feature different recycled and green materials for insulation, flooring, wall and ceiling coverings. Once this is done, each room will be equipped with sensors linked



to remote monitoring equipment. This will give feedback on the materials used which can then be distributed to the public.

While equipping each room with sensors and installing green materials is a great start, more must be done if the group hopes to achieve a zero carbon footprint.

"Energy efficient equipment and fixtures will be installed to minimize energy requirements and renewable sources will be used to provide electricity, heating and cooling," Dr. Corscadden explains. "The design will also employ heat recovery to maximize energy efficiency, use innovative water management techniques to minimize water use, employ gray water

recovery and potentially facilitate composting toilets."

As for the exterior of the house, "It will be covered with recycled and green materials. It is hoped that a green roof can be installed and eco-friendly landscaping can be done to include efficient use of surface and excess gray water."

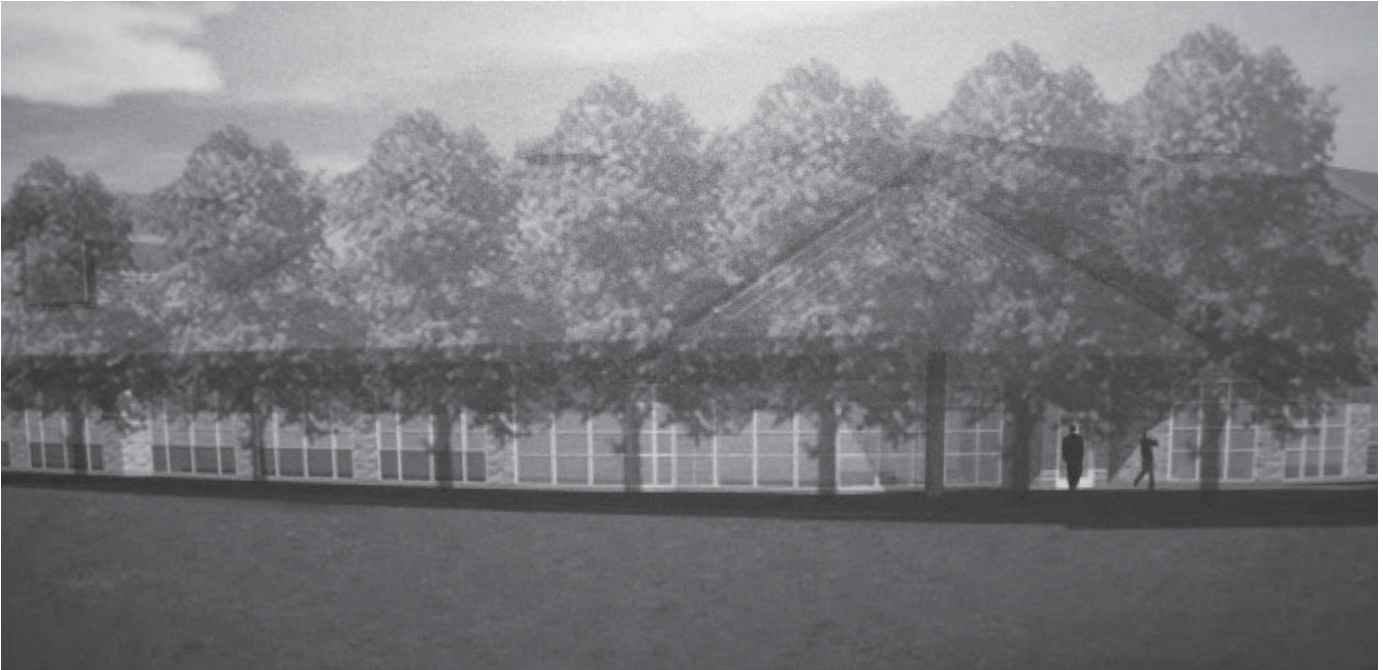
Construction is set to begin as soon as the asbestos found in the house has been removed. Once started, video diaries will be made to help document the rise of the first university TREEhouse. Keep checking facebook.com/nsacu for videos and updates.

A familiar face on the milk carton!

NSAC alumnus, Niels Langelaan (Class of '07), was recently identified on the side of a Farmers milk carton. Apparently Niels' photo on the family farm can also be spotted on the side of an 18-wheeler!



Leading by Example



NSAC's \$7 million state-of-the-art Atlantic Centre for Agricultural Innovation (ACAI) is leading by example with innovative, environmentally-sustainable design, construction and operation practices.

Slated for construction this summer, the Centre, which will support local agri-businesses to become more productive through innovative products and processes, will be the first piece of new infrastructure on the university's campus that follows the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

"NSAC is thrilled to be leading this exciting initiative which will bring an urgently needed piece of agri-business infrastructure to the Nova Scotia economy."

The LEED Green Building Rating System encourages and accelerates global adoption of sustainable green building and development practices. LEED promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health including sustainable site development, water efficiency, energy efficiency, materials selection and indoor environmental quality.

"NSAC is thrilled to be leading this exciting initiative which will

bring an urgently needed piece of agri-business infrastructure to the Nova Scotia economy," said Laurie Sandeson, director, Agri-TECH Park, the university's economic development and commercialization arm and home to ACAI.

ACAI will provide business incubation space as well as support services and programs relevant to the needs of early stage, mid-growth and established businesses.

"Not only is a LEED building in line with potential tenant companies operating in the agri-energy, agri-health and agri-bio-product sectors, green status becomes a significant part of the Centre's value proposition," she added. "How green a building is can be a deciding factor for some clients."

Some items under discussion for LEED-related credits include an alternative energy heating system, incorporation of showers for those who bike to work, rain water recovery, water efficient landscaping and more.

There has been increasing interest in the use of agri-based bio-fuels as a source of heat for both residential and commercial application. This demonstration heating system, used for research purposes at the university, will incorporate various bio-resources such as hay, straw and other agricultural by-products which can be pelletized, thus ensuring a sustainable, environmentally-friendly and price stable fuel product. The use of bio-mass pellets as fuel also helps reduce the carbon footprint by up to 90 per cent in relation to heating with oil and is a perfect fit for ACAI.

This state-of-the-art research facility is scheduled for completion by next summer.

From the Lawn to the Furnace

Right now, a field of grass may look like a waste of space to you. But it could soon prove to be an affordable, efficient, and environmentally friendly heating source.

NSAC's Dr. Animesh Dutta has been researching the efficiency of grass pellets, and the stoves they are burned in, since he arrived on campus in 2007. He now has a demonstration furnace installed on-campus in Banting Building where not only his research is done but also where undergraduate and graduate students can carry out efficiency tests.

"Students in the thermodynamics course will have an opportunity to get hands on experience with the system while students of fluid mechanics, instrumentations and waste management will learn the working principles of the equipment. Graduate students in the newly developed biomass conversion and bio-fuels program will use the equipment to help understand the mechanism of biomass conversion, its design, evaluation and performance and its impact on the environment."

The goal in testing the furnace, which was supplied by LST-Energy, is to create a pellet boiler that is more efficient, clean and reliable says Dr. Dutta. "Current burners are quickly fouled by ash build-up and melting in the burn pot when using high-ash agricultural pellets. The project will result in an innovative pellet boiler that is able to efficiently, cleanly, and reliably burn pellets made from grass and agricultural wastes, as well as other pellets and grains."

As with all NSAC researchers, Dr. Dutta is working to change a process for the betterment of the world – both on a financial and environmental level.

"Grass pellet fuel has a great prospect in the pellet industry due to its lower cost and higher green house gas (GHG) mitigation ability. Research indicates that grass pellet fuel can represent at least 1.25 tonnes of CO2 reductions per tonne of pellets burned compared to oil." With a 97 per cent combustion efficiency rate, grass pellets have the potential to make a huge mark in the heating industry.

On the financial side, the production of an efficient, clean and reliable grass pellet stove is anticipated to result in an industry using 10,000 acres could develop within five years. If this happened, it would generate 30,000 tons per year of pellets which would be equivalent to a gross market value of \$6.6 million dollars per year.

"The total economic spin-off from this project, directly and indirectly, will exceed \$15 million annually," says Dr. Dutta. "It will generate direct economic development in the Pictou County area from the manufacture of boilers for use in Nova Scotia and across Canada. Interest is high among Eastern Nova Scotian farmers where considerable underutilized land exists. There is also strong interest and significant underutilized land in South Colchester and the Musquodoboit Valley."

If you would like to learn more about this project, please contact Dr. Dutta at adutta@nsac.ca

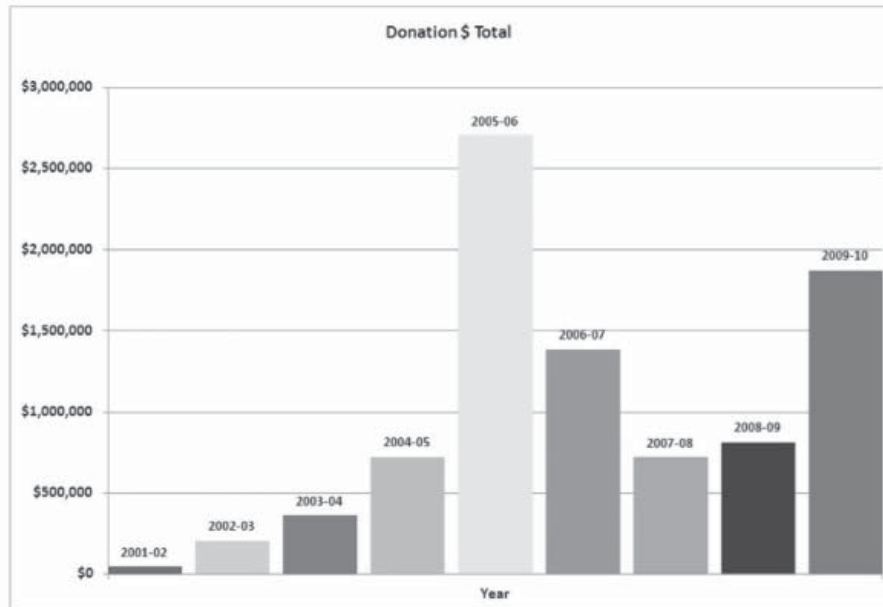


As with all NSAC researchers, Dr. Dutta is working to change a process for the betterment of the world – both on a financial and environmental level.

Annual Report to Donors 2009-10

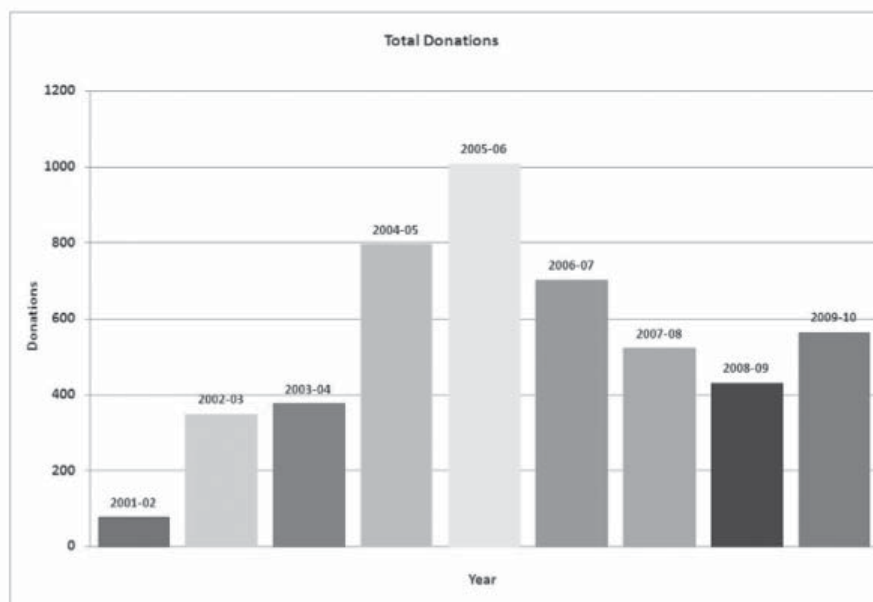
The 2009-10 year was a “turn-around” time for fund raising efforts at NSAC. Even after a weak economic year, total donations and transfers into Foundation accounts during the fiscal year was \$1,872,139. This was almost twice the total of the previous year. The total investment portfolio stood at \$5.8M at year end. Historical donation totals are found in Figure 1.

Figure 1.



With the assistance of Alisha Johnson, who took on the role of development officer, in January 2009, initiatives to try to correct the downward trend in donor numbers, began. She ran several new programs during the year and with the aid of alumni and students, was able to increase the number of donors by approximately 30 per cent. We are fortunate to have a core of loyal alumni and friends and with continued hard work; the situation will improve in years to come. A history of the trend in the number of donations to NSAC since 2001-02 is shown in Figure 2.

Figure 2.



The various designated campaigns by which we receive donations include: annual mail appeal, scholarship appeal, research funding, special events and memorials. The category "other" includes money for development projects deposited with the

through the mail and phone appeals. There were a total of 298 donations for a 6.5 per cent response rate to the mail outs and phone calls. A total of \$8,300 was spent on materials and labour for the appeal annual campaigns yielding a return of a little more

Table 1.

	2007-08		2008-09		2009-10	
	Contribution	%	Contributions	%	Contributions	%
2nd Century Endowment	\$9,746	1.4%	\$319	-	-	-
Annual Appeal	\$101,170	14.1%	\$95,203	12%	\$84,580	4.5%
Scholarship Appeal	\$161,749	22.5%	\$112,975	14%	\$183,311	9.8%
Memorials	\$107,350	14.9%	\$5,760	1%	\$36,295	1.9%
Research	\$48,367	1.4%	\$17,700	2%	-	-
Special Events	\$2,790	0.4%	\$2,900	0.4%	\$2,500	0.1%
Other	\$287,896	40.0%	\$578,578	71%	\$1,565,454	83.6%

Foundation for investment that will be used for NSAC programs. A comparison with the previous two years is shown in Table 1.

The Second Century Endowment Campaign was in its fifth and final year in 2008-09, as the last of the pledges were collected. While funding for research projects, scholarships and the annual appeal donations was lower during the year, contributions to international projects increased.

than \$10 per dollar invested. Table 2 shows the historic trend in the annual appeal.

The real measure of impact that the fund raising efforts are having is shown by the amount of support that can be provided back to NSAC each year. Total disbursement for the year was \$2,541,506. This was the largest disbursement that has occurred from funds held by the Foundation since its inception. The break

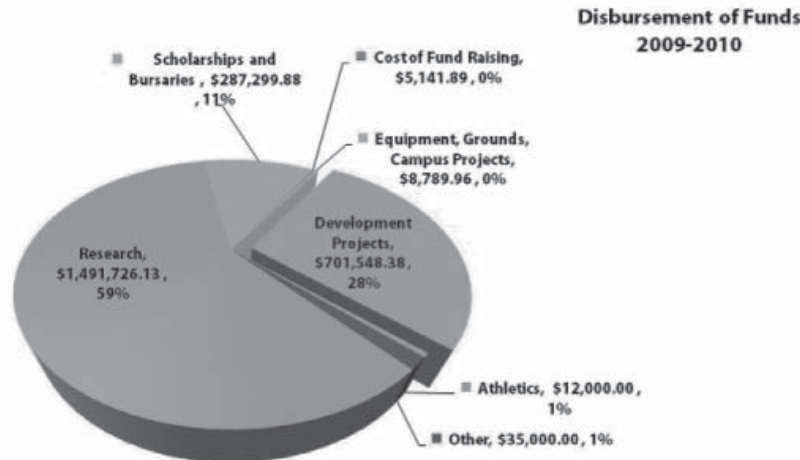
Table 2.

Year	# Sent	# Ret	% Ret	\$ Donated	Avg. \$/Gift	\$ Ret/\$ Invested
2009-10	4600	298	6.5%	\$85,580	\$287	\$10.31
2008-09	4400	217	4.9%	\$95,203	\$438	\$16.07
2007-08	4700	205	4.3%	\$101,169	\$494	\$53.47
2006-07	4750	182	3.8%	\$70,533	\$387	\$28.31
2005-06	5400	170	3.1%	\$42,647	\$250	\$11.55
2004-05	5400	260	4.7%	\$89,950	\$345	\$19.00
2003-04	5400	170	3.1%	\$21,369	\$125	\$4.44
2002-03	5500	137	2.5%	\$14,595	\$106	\$3.40

The annual appeal campaign, while down from the previous year, had a very strong showing. This year we received \$85,580

down of the disbursements from the various funds appears in Figure 3.

Figure 3.



While a total of \$287,299 went out in support of scholarships and bursaries, development projects amounted to another \$701,548. Sixty percent of the funding went toward the poultry project that is nearing completion. The Ghana and Ethiopia projects account for the bulk of the development project expenditures. The \$35,000 expenditure in the "other" category represented a portion of the cost of the development officer position.

Table 4 shows the total fund balance held by the Foundation and the total disbursements made annually since 1999-2000.

Year	Fund Balance	Disbursements
2009-10	\$5,844,383	\$2,541,506
2008-09	\$6,014,641	\$698,790
2007-08	\$6,086,095	\$485,180
2006-07	\$5,696,166	\$1,577,255
2005-06	\$5,557,006	\$225,792
2004-05	\$2,212,894	\$273,563
2003-04	\$1,672,116	\$215,259
2002-03	\$1,457,315	\$158,425
2001-02	\$1,363,455	\$67,649
2000-01	\$1,332,706	\$54,914
1999-00	\$870,208	\$31,549

Table 4.

The fund raising effort has resulted in significant return to NSAC over the years. It is obvious, however, that there is considerable potential for improvement. With the new development officer position it is hoped we can continue to make significant gains in 2010-11. We continue to build and seek opportunities to increase our donor base and establish our credibility with alumni and donors. Increased assistance of volunteers both on and off campus is also important in helping us meet this objective.

ALUMNI HONoured BY NSIA

A number of NSAC alumni were honoured by the Nova Scotia Institute of Agrologists recently. The 2010 Honours & Awards Recipients included:

Earl Pickard – Class of '97

Outstanding Young Agrologist Award

Larry Lutz – Class of '82

Distinguished Agrologist Award

John Eisses – Class of '66

Outstanding Farm Family Award

Donations in Action

First Presentation of \$1,000 John Bubar Scholarship



The \$1,000 John Bubar Scholarship was presented for the first time at NSAC's Scholarship Banquet in October. NSAC was pleased to have Dr. John Bubar (Class of '50), and son Donald Bubar, attend the banquet and present

the scholarship to Sara (Becky) Brewster, Miramichi, NB, a third year B.Sc.(Agr.) Pre Vet student.

The scholarship will be awarded annually to a New Brunswick student in the B.Sc.(Agr.) program in the second or third year of study. Selection criteria also includes academic performance and financial need.

P. Max Kuhn Scholarship Awarded

At NSAC's annual Scholarship Banquet, William Vosman, St. Andrews, NS, a fourth year B.Sc.(Agr.) Agricultural Business student, was presented with the \$2,500 P. Max Kuhn Scholarship.

The scholarship is presented to an NS student with a farm background and enrolled full time in any year of any program whose course and project work and summer employment demonstrate an interest in working in the agricultural industry after graduation.

Shown congratulating William are (from left), Ann Spencer (niece of Mr. Bernard Kuhn), Mr. Bernard Kuhn (from California) and Jim Goit, executive director, Development & External Relations, NSAC.



NSAC Donor Summary

Donations made between April 1, 2009 and March 31, 2010

The following is a list of all those who have donated to NSAC between April 1, 2009 and March 31, 2010 arranged alphabetically by donation size range. For donors who are alumni, their class year is shown following the name. In cases where there are multiple numbers, it indicates more than one class year or class years of married alumni.

We do our best to ensure accuracy in the information however we apologize for any errors or omissions that may have occurred.

Planned Gifts

Mr. Peter Hamilton 1944
Mr. Malcolm MacQuarrie 1948
Mr. John Atkin

Gifts and Contributions

Above \$100,000
Agrapoint International Ltd
Canadian International Development Agency
Nova Scotia Agricultural College

\$25,000 - \$99,999

Dr. Carol Bubar 1977
Harrison McCain Foundation
Mrs. Rebecca Jenkins
Pictou Mutual Insurance Co.
TD Insurance Meloche Monnex

\$10,000 - \$24,999

Stuco Holdings Limited

\$5,000 - \$9,999

Mr. Stuart F. Allaby 1949
Chartwells
Farm Credit Canada
PEI Department of Agriculture
Zone 2 Pork Producers

\$1,000 - \$4,5000

ACA Cooperative Limited/Eden Valley Farms
Atlantic Fertilizer Institute
Chicken Producers Association
Mr. Robert N. Clark 1959
Dr. William B. Collins 1946
Co-op Atlantic
Dairy Farmers of Newfoundland and Labrador
Dairy Farmers of Nova Scotia
Ms. Edna Douglas
Dykeview Farms
Egg Producers of Newfoundland Farmers Dairy
Mr. Donald V. Grant 1959
Mr. Campbell Gunn 1959
Mr. Peter Y. Hamilton 1944
Dr. Dick Huggard 1956
Dr. William A. Jenkins 1938
Kings Mutual Insurance Company
Mr. L Mapplebeck & Ms. L Sanderson 1975
Mr. Eric Meek 1954
MER Enterprises Ltd.
New Brunswick Institute of Agrologists
Newfoundland and Labrador Federation of Agriculture
Nova Scotia Animal Breeders
Nova Scotia Federation of Agriculture
Nova Scotia Institute of Agrologists
Nova Scotia Power Incorporated
Nova Scotia Rock Garden Club
Prince Edward Island Institute
RBC Royal Bank
Rotary Club of Truro
Shur Gain/Nutreco Canada Inc.
Syngenta Pest Management
Mr. & Mrs. David Thompson 1970
Mr. Harold J. Trask 1948
Mr. Fred Walsh 1950
Mr. Havey Whidden
Ms. Barbara E. Whiston 1990

\$250 - \$999

Animal Nutrition Assoc. of Canada
Atlantic Association of Landscape Designers
Atlantic Land Improvement Contractors
Atlantic Rhodo and Hort Society
Bedford Horticultural Society
Mr. Byron E. Beeler 1956
Mr. Wayne A. Bholia 1974
Bible Hill Garden Club
Bikers Bed & Breakfast Touring
Mr. Blair Bonnyman
Mr. Edward A. Brown 1954
Dr. Doug Byers 1956
Mr. Gordon L. Byers 1938

Mr. David U. Christie 2002
Ms. Barbara J. Christie 2004
Mr. Ronald V. Colpitts 1954
Ms. Janice Conley
Mr. Douglas R. Conley
Mr. Stephen A. Cook 1954
Mr. Donald S. Cox 1946
Mr. Harry C. Cox 1954
Dartmouth Horticultural Society
Mr. Dale Ells 1959
Ellslea Farms Ltd.
Dr. Gisela E. Erf 1979
Dr. Nigel Firth
Mr. John R. Fisher 1959
Mr. & Mrs. Jim Goit
Gulnaz Jiwa Professional Corporation
Mr. Robert W. Hanes 1949
Mr. Stephen & Mrs. Patti Healy 1973
Ms. Edith Hudgins
Inverness County Federation of Agriculture
Isgonish Chapter IODE
Dr. Gwyneth Jones
Landscape Nova Scotia
Mr. J Fraser & Ms. D Langille 1972
Mr. Chesley L. Lockhart 1948
Lunenburg Queens Federation of Agriculture
Mr. Henry M. MacConnell 1955
Mr. John A. MacDonell & Mrs. Leslie MacDonell
Dr. J. Allan MacKay 1943
Mr. John E. Madill 1966
Ms. Ruth Mathewson
Ms. Verena J. Matthew 1978
Mr. John T. McAllister 1959
Mr. Ralph C. Murray 1965
Mr. Vernon R. Murray 1954
New Glasgow Highland Garden Club
Nova Scotia 4-H Council
Nova Scotia Veterinary Medical Association
NS/NF Holstein Assoc of Canada
NSAC Association of Grad Students
NSAC Students' Union
Patterson Law
Mr. Gregory H. Pelkey
Pork Nova Scotia
Prince Edward Island Potato Board
Prince Edward Island Swine Breeders
Mr. James R. Rainforth 1954
Mr. Mark A. Roop
Ms. Nerenne Russell
Mr. Bill Seaman 1956
Mr. Bruce L. Sinclair 1985
Ms. H. Sodhi
Stewiacke Garden Society
Mr. Victor W. Sutherland 1954
Ms. Miriam E. Tams

Mr. Calvin R. Tilley 1954
 Mr. Iqbal Tuli
 Mr. Michael J. Vermeer 1976
 Dr. Vernon R. (Vic) Vickery 1947
 Ms. Bonnie Waddell
 Wentworth Garden Club
 Wesley United Church
 Ms. Debbie Wesselius
 Wild Blueberry Producers Association
 Young Farmers of PEI

Up to \$250

Mr. William P. Abraham 1952
 Mr. Thomas Acker
 Ms. Helen Ackerman
 Mr. Adrian A. Ackermann 1987
 Mr. David R. Aiton 1972
 Ms. Shari D. Allan 1979
 Mr. & Mrs. Jeffrey Allen 1988 & 1988
 Mr. Munish Anand
 Mr. Don Anderson 1978
 Mr. Bruce & Ms. Theresa Andrews
 1994 & 1989
 Mrs. Isabel Archibald 1952
 Mr. Nathan G. Archibald 1999
 Mr & Mrs. Josh Arenburg 1997 & 2000
 Mr. Dan Armstrong
 Mr. & Mrs. Adrian Armsworthy
 Mrs. Beatrice S. Bailey
 Ms. Janet Baker
 Mr. Jephtha F. Ball 1970
 Mr. Lorimer F. Banks 1948
 Mr. G. Melvin Barclay 1961
 Mr. Nigel T. Bayliss 1982
 Ms. Bonita L. Belliveau
 Mr. David P. Bent 1978
 Mr. Robert K. Bentley 1964
 Mr. Arnold G. Beyer 1978
 Mr. J. Oulton & Ms. T. Bishop 1999 & 1999
 Mr. Stirling A. Bishop 1973
 Mr. Leslie F. Blackburn 1955
 Mr. Harold D. Blenkhorn 1947
 Mr. James E. Borden 1950
 Mr. Peter W. Boswall 1981
 Mr. Eric J. Bouffard 1951
 Mr. David L. Bowlby 1987
 Ms. Bonnie Boyd
 Mr. John A. Brown
 Mr. & Mrs. Robert Brown
 Ms. Angela Brown-Fulton 1992
 Ms. Janice E. Buckler 1995
 Mr. Jack F. Burnham 1964
 Ms. Holly Burrige
 Ms. Brenda Butler
 Mr. Donald L. Byers
 Ms. Christa Cameron
 Mr. Grant D. Campbell 1983

Mr. Blair Campbell
 Ms. Joanne Campbell
 Canadian Food Inspection Agency
 Canadian Sheep Breeders Association
 Mr. Paul M. Carroll 1987
 Ms. Christine D. Carroll 1985
 Mr. Stephen D. Casselman 1966
 Ms. Teresa Childs
 Ms. Alyson D. Chisholm 1983
 Mr. D. G. Clarke 1954
 Ms. Katherine D. Cleghorn 1982
 Mr. Richard C. Cochran 1963
 Mr. Jamie Coffin
 Mr. Edgar Coffin
 Dr. H. Garth Coffin 1960
 Colchester Community Workshops
 Mr. Greg Coldwell 1970
 Mr. Robert M. Colpitts 1954
 Mr & Mrs Jeff Colwell 1985
 Mr. Gabriel V. Comeau 1972
 Ms. Audrey J. Connell 1999
 Dr. Harold W. Cook 1966
 Mr. Archie M. Cook 1960
 Ms. Enid M. Cooper 1955
 Ms. Shanda Cormier
 Cornwallis Farms
 Dr. Christopher L. Cox 1965
 Dr. Don Craig 1945
 Mr. Doug Crouse 1956
 Mr. & Mrs. Harry Crouse 1956
 Mr. Andrew B. Crouse 1980
 Mr. J. Gordon Crowe 1946
 Dr. Wayne E. Davidson 1962
 Mr. Sherman D'Entremont
 Mrs. Renate E. Deppe & Mr. Horst Deppe
 Mr. Michael D. Devanney 2003
 Dr. Richard Donald
 Mr. & Mrs. David Doncaster 1972 & 1972
 Mr. & Mrs. Carl Duivenvoorden
 1983 & 1992
 Mr. Brian H. Duplessis 1971
 Dr. Dale M. Duplessis 1948
 Mr. William C. Durant 1951
 Eastern Veterinary Technician
 Mr Jack Eaton 1954
 Mr. John B. Eaton 1957
 Dr. Douglas C. Eidt 1947
 Mr. John Eisses 1966
 Dr. Stephen Ellis
 Mr. Dale Ells 1959
 Mr. Brian S. Ellsworth 1957
 Mr. Evans N. Estabrooks 1962
 Farm Credit Canada
 Farm Focus
 Ms. Sheila Ferguson
 Fisher Farms
 Mr. John C. Forbes 1965

Mr. Bernard Forbes 1988
 Mr. Robert Fox
 Dr. Willard S. Fraser 1940
 Ms. Marilyn Fraser
 Ms. Carol Fraser
 Mr. Ian Fraser
 Dr. Gerald W. Friars 1948
 Mr. Cameron Fullerton 1958
 Mr D. & Ms C. Fullerton 1983 & 1990
 Ms. June A. Fulton 1984
 Ms. Clara M. Galway 1944
 Mr. Russell G. Gammon 1976
 Ms. Nellie G. Gardner 1978
 Mr. Dirk Geense
 Mr. Robert G. Gilroy 1955
 Ms. Kathleen E. Glover 1978
 Mr. & Mrs. William Glover 1987 & 1985
 Good Time Senior Citizens Club
 Prof. C. Goodwin 1976
 Mr. & Mrs. Donald Gordon
 Mr. Alasdair Graham
 Dr. Donald L. Grant 1958
 Ms. Shirley Grant
 Mr. Scott Grant
 Mr. David Gray 1954
 Mr. Michael R. Green 1982
 Green Diamond Equipment
 Mr. Troy E. Greene 1994
 Mr. & Mrs. Gerrit Groenberg
 1985 & 1985
 Ms. Shirley Hall
 Mr. William L. Hanlon 1952
 Ms. Wendy O. Harris 1979
 Ms. Caye A. Harris-Allum 1976
 Mr. Richard H. Harvie 1948
 Ms. Jenna Hazelton
 Mr. Stephen & Mrs. Patti Healy 1973
 Mr. Glen D. Hebb 1983
 Mr. Rhodes L. Hennigar 1945
 Mr. Laurie D. Hennigar 1960
 Ms. Tammy Hermant
 Ms. Dana N. Hicks 1985
 Mr. Charles V. Hiltz 1966
 Mr. Stewart C. Hoare 1954
 Ms. Pamela Hoddinott
 Dr. Richard A. Holley 1964
 Ms. Michelle Holmes
 Ms. Frances Hounsell
 Mr. A. Thorley & Ms. S. Hunter
 2003 & 2003
 Mr. John M. Hutchings 1978
 Mr. Don Huxter
 Dr. Jerry A. Ivany 1964
 Mrs. Barbara Jannasch
 Mr. Rupert W. Jannasch
 Dr. William A. Jenkins 1938
 Mr. Timothy Johns-Churchill 1963

Mr. Tom Begin & Ms. Faye Johnson
Ms. Sally Johnson
Rev. Grant Johnston 1971
Mr. Scott Joudrey
Ms. Kaitlyn C. Kennedy 2009
Mr. Peter R. Kennedy 1977
Dr. Gordon Kenney
Ms. Heather Anne Kinsman
Mr. Kelly Kolke
Mr. George A. Labelle 1955
Mr. Jonathan P. Langille 1985
Mr. Winston M. Langille 1940
Ms. Marie Law
Ms. Clara Leblanc 1975
Ms. Janice Leck
Mr. Kenneth F. Lingley 1979
Lockheed Martin Canada
Mr. Norman S. Logan 1950
Mr. Robert E. Longmoore 1964
Mr. J. D. Lubin 1960
Mr. & Mrs. Larry Lutz 1985 & 1985
Mr. James L. MacAfee 1972
Dr. Andria J. MacAulay
Ms. Marion T. MacAulay 1981
Ms. Heather MacCallum
Mr. Ian P. MacDonald 1950
Mr. Donald L. MacDonald 1960
Mr. Joseph L. MacDougall 1970
Dr. Donald C. MacKay 1943
Mr D. & Ms. C. MacKinnon 1975 & 1979
Mr. Nelson J. MacKinnon 1977
Mr. Robert T. MacLean 1954
Mr. David P. MacLean 1953
Mr. Hugh M. MacLean 1947
Mr. Rod & Mrs. Robin MacLennan
Mr. Gordon A. MacMillan 1994
Dr. Ed MacMillan
Ms. Jennifer MacNamara
Mr. Donald G. MacNeil 1956 & 1958
Dr. Ted MacNintch 1956
Mr. Eric P. MacPhail 1947
Mr. Andy MacPherson 1987
Mr. N. Glayne MacQueen 1961
Mr. Brian M. Mahoney 1968
Mr. Larry S. Mailman 1982
Mr. Arlington S. Mair 1948
Mr. Som Makkar
Mr. Ken Marchant
Ms. Helen Marks
Mr. Rylie Marshall 1940
Mr. Bruce Marshall
Mr. R. Cooney & Ms. A. Martin
2000 & 2000
Ms. Carolyn Maxwell
Ms. Maryella G. Maynard 2009
Mr. D Jeff McCallum 2009
Dr. Keith A. McCully 1952
Ms. Carol D. McDonald 1984
Mr. Donald P. McInnes 1955
Mr. Ralph H. McKay 1954
Dr. Mary McKenna 1978
Ms. Holly Miller
Ms. Meghan P. Miller 2007
Ms. Cynthia A. Mitchell 1988
Ms. Dorothy Moore
Mr. Bill Moore
Mr. Neil Morash
Ms. Darby L. Mullen 1985
Dr. Christine L. Murray 1988
Dr. Roya Murray
Dr. Michael Murray
Mr. Robert A. Murray 1952
New Holland
Mr. & Mrs. Craig Newcombe 1986 & 1986
Ms. Jean Nicholson
Mr & Mrs. Fraser Nicholson 1976 & 1979
Mr. Kamran Nisar
Nova Scotia Department of Agriculture
Novartis Animal Health
Ms. Carol Oakley
Mr. Kathir Padmanathan
Dr. K. Padmanathan
Mr. Brad Palmer 1986
Mr. Wayne F. Parker 1962
Mr. Robert L. Parks 1954
Ms. Treasa & Mr. Michael Pauley
1998 & 1998
Ms. Audrey S. Payne 1964
Ms. Joan Pearson
Mr. Darren R. Peters 1994
Ms. Shirley Peters
Mr. Brian G. Phelan 1978
Mr. Earl Pickard 1997
Mr. Herman Pierce 1947
Mr. Fred Pierce 1958
Ms. Marylou Pierce
Dr. Nancy Pitts 1978
Mr. Donald E. Porter 1954
Ms. Patricia M. Pratt
Mrs. Mary Pratt
Dr. James G. Purdy 1943
Mr. Phil Redden
Mr. Chris Richards 1984
Mr. Trevor P. Richardson 1977
Dr. Charles L. Ricketson 1951
Ms. Jenifer Robar
Mr. Harry Robbins 1950
Mr. Chance R. Roberts 2009
Ms. Barbara Robinson
Dr. Jamie Rogers
Ms. Betty Ross
Royal Bank of Canada
Sandoz
Mr. David A. Shaw 1964
Mr. Allen P. Shaw 1972
Ms. Ashley E. Shepard 2007
Shur-Gain
Dr. Kevin Sibley 1980
Ms. Pamela Simpson
Mr. Larry Slipp
Ms. Lorna R. Smith 1969
Mr. Darrell W. Smith 1971
Ms. Marilyn Smith
Mr. Alford L. Smith 1972
Mr. Isaac W. Smith 1968
Mr. Jason H. Smith 1997
Mr. Sandeep Sodhi
Mr. Raman Sodhi
Mr. Darshan Sodhi
Dr. Ryan Sommers
Dr. Harold B. Specht 1946
Dr. Donna E. Spracklin 1974
Mr. & Mrs Jim Steeves 1974 & 1976
Mr. S. Peters & Ms. D Stevenson
1984 & 1985
Mr. Daniel Stewart 1956
Mr. Seymour M. Stewart 1942
Mr & Mrs Greg Sullivan 1995 & 1995
Sunnycroft Farms Ltd.
Mr. Bill Swetnam 1956
Mr. Jess M. Thompson 1958
Ms. Judy Thompson
Mr. G Post & Ms Y Thyssen-Post
1980 & 1980
Ms. Jennifer F. Tingley 2001
Mr. Stephen Toole
Mr. Christopher R. Toole 1998
Ms. Sonja Totten
Ms. Mattea Ann M. Tracey 2010
Mr. Warren L. Tregunno 1948
Mr. & Mrs. Peter Trenholm 1981
Mr. & Mrs. Ron Trueman 1975 & 1975
Ms. Jennifer Tucker
Mr. Weldon F. Turner 1948
Ms. Karen Unicomb
Mr. & Mrs. Paul Van de Wiel 1992 & 1993
Mr. John B. Van Den Hof 1979
Ms. J. Van Dyk & Mr. J. McLellan
1978 & 1977
Ms. Anna Verberk
Verger Belliveau Orchard Ltee
Ms. Carol J. Versteeg 1975
Mr. Lenard Walsler
Mrs. Vera Ward
Dr. Joann Warren
Mr. Stanley J. Warwick 1959
Mr. Steven W. Watts 1983
Mr. Blair Waugh
Ms. Jennie Whalen
Mr. Barry Wheeler
Mr. Cyril B. Whiteley 1974

Whitman Greenhouses
 Mr. J & Ms. N Williams 1993 & 1993
 Mr. Edward L. Williams 1954
 Ms. Jean Woodworth
 Mr. Frank Woolaver
 Mr. James D. Wyllie 1979
 Ms. Nancy L. Zwicker 1981

Another Donation in Action



Installation of the new water fountain outside the Langille Athletic Centre nears completion. The fountain was a gift to NSAC from Bob Daniels (former Plant Science faculty), on the occasion of his retirement.

NSAC Athletics 2009-10

It has been a busy year with Athletics at NSAC, with two new activities added.

Cross-country running was brought back to life at NSAC, with eight runners, led by coach Joy Galloway-Jones. The runners competed in three ACAA competitions with the highest finisher for NSAC being Thomas Teakles who finished 4th in the ACAA Championships. This finish also gained him ACAA All-Conference status.

Water-polo, initiated by a group of students, swam as a group twice a week at Scotia Pool and participated as an NSAC club team in a competition at Dalhousie university in March. Still in the development stages, the club team had 13 members, two of whom were selected to swim with a team competing in Atlantic age-group championships.

Team Outcomes

Soccer

Men's and women's soccer had good seasons within the ACAA. Starting with pre-season activity, the women's team travelled to MtA and then to Ste Foy Quebec on Labour Day weekend to sharpen their game skills for ACAA league play. The men's team played MtA and U d e Moncton on the same weekend in prep for their league activity. Both teams finished the year in sixth spot in the ACAA – the men with four ties and the women with one win and four ties.

Leaving the men's soccer program after two years as head coach, Andy Crowell, resigned to pursue professional opportunities outside the Truro area.

Rugby

The women's team was very successful again this year with a full squad and excellent competition. The men's team did not compete, due to the insufficient number of players.

The women finished third in the ACAA league play, defeated Kings in the semi and then lost a nail-biter to MtA in the final.

Golf

NSAC fielded a women's team and a single entry in the men's division of ACAA competition. Competing in three tournaments, the best finisher for NSAC was Jennifer Cousineau who placed well in each tournament and second in the championship.

Women's Volleyball

The women participated in a pre-season event at College de L'Outaouais (Hull, Quebec) where they met some of the very best of Quebec volleyball. The prep allowed them to enter the season well prepared. Finishing fifth in ACAA league play, the Rams are moving up the rankings and expect to be vying for a place in the final in the 2010-11 year. Another highlight of the year, was the selection of Becky McDonald to the ACAA All-Conference team.

Basketball

The basketball squads were active in the pre-season with the ACAA tip-off, the Woodstock tourney (women's) and alumni contests. The women finished the 2009-10 year with an ACAA semi-final loss to MSVU Mystics (who went on to win a CCAA silver medal).

Although having great games throughout the year, the men failed to make the play-offs. There will be a new leader of the men's program in 2010-11, as coach, Donnie MacGregor, has resigned, after giving great leadership and tireless recruiting time to the program.

Equestrian

A group of 12 riders represented NSAC in five competitions in 2009-10. Team results included fourth and third at the two Acadia competitions, fourth at the St. FX competition and first at both the SMU and NSAC hosted competitions.

46th Athletic Awards Banquet Award Recipients

NSAC All Academic Athletes

Athletes who have demonstrated excellence in academics and athletics, achieving the required average of 80 or above for "Honors" and a position on a varsity team.

Basketball

Jennifer Lutes & soccer
Kelsey Harpman & rugby
Patti Gilroy & rugby
Luke Wiseman
Jonathan Kennedy
Joshua Kennedy & soccer

Volleyball

Bethany Holliday
Jessica Eisnor
Mandy McDonald
Cassandra Smardenka

Soccer

Nicholas Brown
Benjamin Crouse
Kent Mader
Paul Manning
Modou Camara
Nadine Brooks
Shelby Currie
Julie Poirier
Sara Seemel
Rianne Dykstra
Christina Straathof

Rugby

Emma Eisses
Jessica Ellison
Victoria Gilby
Ashley Mullins
Deanne O'Reilly
Bronwyn Ward

Woodsmen

Julie Vermeer
Jessica Dowe
Rebecca Allen
Jenna Rippey
Jeff Campbell
Kyle Gallant
Charlie Elliott
Michael Walker
Kamille Cormier

Outstanding Athlete Awards



KS Marchant Award

Student-athlete with highest academic standing / Degree: Julie Vermeer - woodsmen



Athletes of the Year

Male: Robert Newcombe, Port Williams, NS / Female: Kelsey Harpman, Beaverbrook, NS

2010 EastLink Agri-Golf Classic

The golfers are hitting the course on July 23, 2010!

This year's event is at the Ken-Wo Golf Club in New Minas, NS. As the 14th annual golf tournament, this event raises funds for Athletics and supports exhibition travel, as well as sport bursaries for varsity athletes.

This tournament is a great way to network with NSAC alumni, industry partners, Department of Agriculture staff, NSAC staff and the host committee. Registration form is online, as are the details for the day. Visit nsac.ca/athletics/golf

The Athletic department and hosting committee (Ken Marchant, Garth Coffin, Kent Loughead, Fred Fergus, Cathy Myette, Jon Kennedy, Alisha Johnson, Stephanie Rogers and Judy Smith) look forward to seeing you on the 23rd!

NSAC TURNS 105!

Students, faculty and staff of NSAC celebrated the university's 105th anniversary on Friday, Feb.12. The university was founded on Feb.14, 1905.

This ice sculpture, featuring NSAC's logo, was on display during the Founding Day festivities.



ACAA All-Conference Recipients



SIRC-CCAA Academic All-Canadian

JOIN US ON FARMVILLE

How many universities have a social media game that is applicable to their programs?

NSAC's Development & External Relations office is on FarmVille!

Add "Aggie Jenkins" as a Facebook friend and start farming with us and other NSAC alumni. It's a fun and unique way to keep in touch!



PEI Alumni Gathering

A number of alumni (and future alumni?), as well as NSAC staff members, gathered for beer and pizza at Pizza Delight in Summerside, PE in mid-April.



L-R: NSAC Recruitment, Ashley Shepard (Class of '07), Executive Director, Development & External Relations, Jim Goit, Darla Clow Brown (Class of '83), Victoria Gilby (Class of '10), Sally Bernard (Class of '06), Mark Bernard (Class of '05 & '06), Wilson Bernard, Matthew Vair (Class of '08) and Bryce Drummond (Class of '08).

Upcoming Alumni Reunions

July 22:

NSAC's annual Open House will have the best attendance yet this year. With four class reunions all taking place during the Open House, campus will be up-beat with lots of reuniting and recollections! The following class reunions will take place during NSAC's Open House on July 22:

- Class of '50
- Class of '59
- Class of '60
- Class of '70

For more information on any of these reunions contact Alisha at 902-893-6022 or ajohnson@nsac.ca

August 13: Class of '95 - '99

Aggies from the Class of '95 - Class of '99 are reuniting in Charlottetown, PE, August 13th - August 14th at Brackley Beach North Winds Inn & Suites (two minutes from Brackley Beach). Reserve your room now by phoning 902-672-2245, indicate you are part of NSAC's Reunion group. For more information contact Scott at sjeffreyfish@hotmail.com

Nova Scotia Agricultural College

NSAC. Embrace Your World.

Follow us on

facebook.

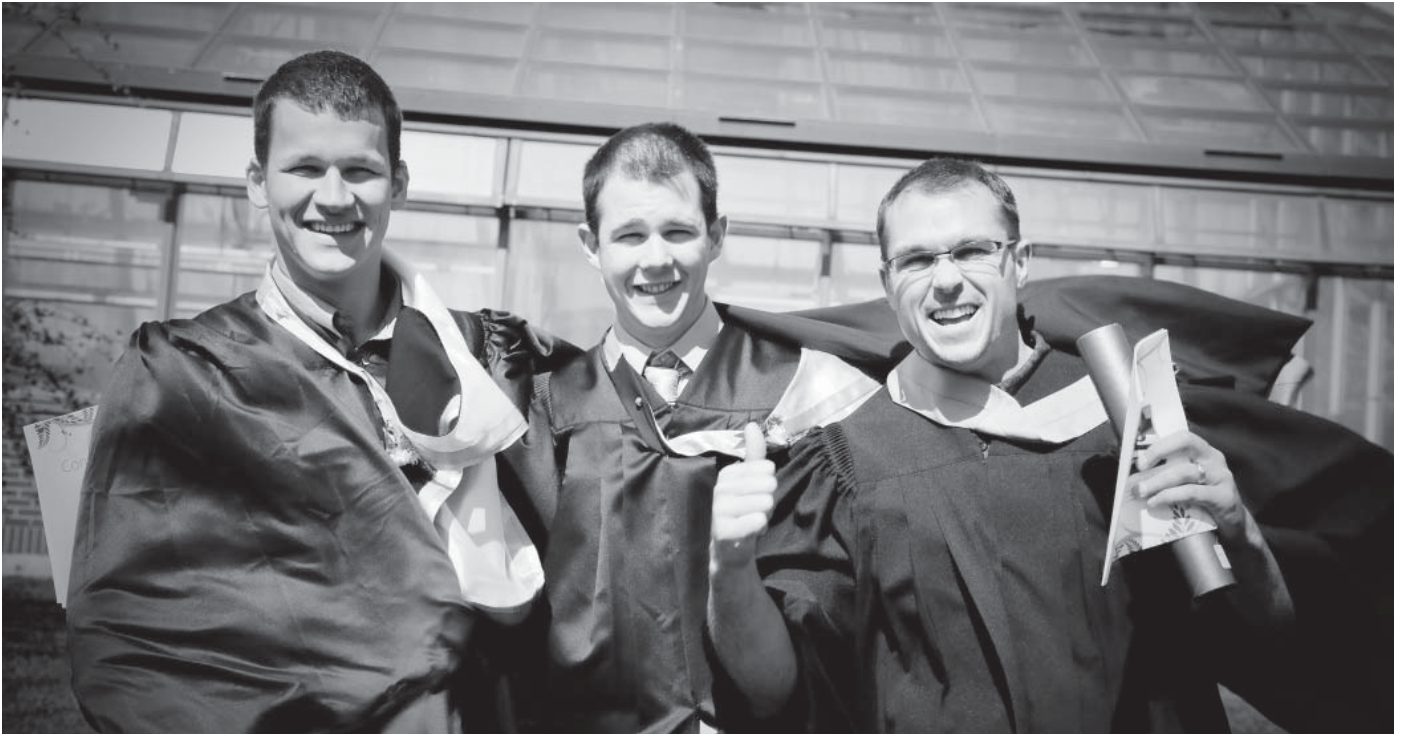
twitter

YouTube

embraceyourworld.ca nsac.ca

Convocation

NSAC honors alumni and admits more than 170 new members to the Alumni Association



Nova Scotia Agricultural College celebrated its 105th Convocation ceremony, Friday, May 7th, 2010 in the Langille Athletic Centre with 174 students participating.

Honourary Doctorate: Charles Embree (Class of '61)

NSAC's honorary doctorate is designed to recognize extraordinary contributions to society or exceptional intellectual or community achievement. The awarding of honorary doctorates, an important feature of NSAC's Convocation, serves to celebrate both the individual and the university as well as to inspire our graduates, their families and guests.

The Honourable John MacDonell, Nova Scotia Minister of Agriculture was pleased that Mr. Charles Embree (Class of '61) had been chosen by NSAC for this prestigious award.

"Research and innovation are essential components of a sustainable and profitable agriculture sector," said John MacDonell, Minister of Agriculture. "I thank Mr. Embree for the lifetime of work he has done over the years. The Nova Scotia agricultural community will continue to benefit from his many contributions."

For more than 40 years Charles Embree has worked for the

improvement of agriculture in Nova Scotia, particularly in the tree fruit sector. He is recognized as a leader and educator to several generations of fruit growers for his work to improve the tree fruit industry while he sharpens the science of fruit growing as a professional.

"We are so pleased and proud to be able to honour one of our alumni in this way," said NSAC Co-President and Vice President Dr. Leslie MacLaren. "Mr. Embree represents everything our university stands for – passionate, innovative and unique."

Mr. Embree has worked in a number of capacities throughout his career including as an extension specialist in the tree fruit sector, an administrator in horticulture and biology services of the Nova Scotia Department of Agriculture and as a research scientist with Agriculture and Agri-Food Canada in tree fruit physiology.

Faculty Award for Teaching Excellence 2010: Dr. Norman Goodyear (Class of '75)

The recipient of NSAC's Faculty Award for Teaching Excellence for 2010 was presented during Convocation to alumnus, Dr. Norman

Goodyear, from the Department of Plant and Animal Sciences. Described by his students as “phenomenal”, “exuberant” and “a deeply committed teacher” it is not hard to find praise for him. One student notes that “Norman expresses his ideas with wit and intelligence and often shares an interesting anecdote to personalize the learning experience and make it more relevant to others. He constantly gauges student interest and makes an effort to ensure that the subject matter is reaching the intended audience in the best way possible.” One student also states of him “you fulfill the role of counselor, advisor, professor, reference and friend.” It is clear the impact Professor Goodyear has on students extends beyond the classroom and graduation.

Recently appointed Dean of Teaching and Learning at NSAC, Professor Goodyear has embraced this new challenge, viewing it as a means of developing teaching and learning resources, while providing support for the NSAC campus community as we all continue to strive for teaching excellence.

Contribution to Student Life Awards

A Silver Distinction medal was presented to Colette Wyllie of Debert, Nova Scotia and three Bronze Distinction medals were awarded to Connie McLellan, Noel Shore; Mattea Tracey, Windsor and Daniel Muir, Merigomish.

The NSAC’s system of Distinction Awards is designed to express the university’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 endeavor and athletic achievement and who exhibit definite qualities of leadership, will receive these Distinction Awards.

The Noel Enman Memorial Award, instituted in 1984, is presented annually to a technician or technology graduate whose personality and fellowship has contributed to student life and activities thereby gaining the respect of students and faculty. This award will be presented to Rebecca McDonald of Milford Station, Nova Scotia.

Class of '10 Life Executive & Valedictorian

Colette Wyllie, Debert, NS - Life President & Valedictorian
Mattea Tracey, Windsor, NS – Life Secretary



Lost Sheep



Sheldon MacLennan ...1986
 Katherine Grant ...1987
 Richard Melvin ...1989
 Michelle Willis ...1989
 Stephanie Gow ...1989
 Janice Craig ...1989
 Darren Fisher ...1990
 Corinne D'Entremont... 1991
 Jason Barnhill ...1996
 Lynn Trefry 1996/1997
 Poppy-Jo Monk... 1998
 Kimberley Sceviour ...1998
 Amy Grant ...1999
 Mark Carpenter... 1999
 Angela Harnish ...1999
 Matthew Linton ...1999
 Cheryl Laite ...1999
 Bonnie Gibbons ...2000
 Julie Jamieson... 2000
 Carolyn Blacklock ...2003
 Heather Collins ...2004
 Usha Rayirath ...2008
 Rebecca Linton ...2008
 Yue Hu ...2009
 Qingheng Xu ...2009
 Prasanth Rayirath ...2009

Every year members of NSAC's family become lost due to a move or change in address. As a result, we are unable to share important information with these alumni about happenings at NSAC and news from fellow classmates.

We make every effort to keep the mailing list up-to-date by calling, e-mailing and following leads. But we need your help!

Below is a list of some of our "Lost Sheep". If you can help us touch base with any of these alumni, or any others that you know of, who many not be receiving our communications, please contact us at alumni@nsac.ca or 902-893-6721.

Wylie Smith ...1945
 James Cook ...1947
 Reginald McIssac ...1948
 Robert Nickerson ...1950
 Glen Johnson ...1958
 Joseph Nagy ...1958
 William Searl ...1958
 Logan Chisholm ...1959
 Alan Klevatorick... 1961
 Donat Cool... 1964
 Stanley White... 1969
 Frank Gammell ...1969
 Judith Zinck ...1969
 Yuk Tsang ...1970
 Marjorie Taylor... 1971
 Janice Blake ...1972
 Donalda Morrison ...1973
 Stephen Johnson... 1973
 William Beks ...1974
 Karol Antworth-Haughn ...1974
 Edward Hartigan ...1975

Marlene Wheatley ...1975
 Donald Robbins... 1976
 Pauline Percy ...1977
 Jocelyn Clarke ...1978
 Barry Nolan... 1980
 Stephen Heffler... 1980
 James Cairns... 1981
 Edward Doyle ...1981
 James Murphy... 1981
 Lennox Omeno ...1982
 Yakubu Sabo... 1982

TRUE NSAC PRIDE



Three proud alumni were recently spotted at an event sporting polished NSAC belt-buckles. Can you identify these hips?

E-mail: alumni@nsac.ca

Look Who's Talking

Dr. Donald Grant (Class of '58)

Biography

Born in Pictou, NS, Donald L. Grant received his Ph.D from McGill University in 1966. Dedicating the majority of his career to Health Canada in Ottawa, Donald began in a number of roles conducting research on agricultural chemicals and PCB's as well as evaluating the safety of chemicals in foods.

He continued his career as chief of the Toxicological Evaluation Division, Health Protection Branch where he was responsible for the toxicological evaluation, risk assessment and regulatory advice on pesticides, food additives, packaging materials and chemical contaminants.



After leaving Health Canada in 1999 as director, Health Evaluation Division, Pest Management Regulatory Agency, Donald started D.L Grant & Associates Ltd. On a part-time basis, Donald does what he knows best, consulting on risk assessment from the human health standpoint of pesticides.

Donald and wife, Emilie, had two sons and five grandchildren. He enjoys playing hockey and spending time with family.

Look Who's Talking is a regular section in Agricola News. Each issue, an alumni discusses his or her thoughts on various topics relevant to NSAC. This issue, we asked Dr. Donald Grant (Class of '58) to share his opinions.

It has been a number of years since you graduated from NSAC. What memories does this bring back of your days as an NSAC student?

So many great memories from my NSAC days come into my mind. It just seems like yesterday that I hitch-hiked from Pictou, NS to start my studies at NSAC!

Firstly, I was fortunate to have a great roommate, Alan Elliott, (the smartest person that I met in my nine student years) and a group of wonderful classmates, many of which became life-long friends.

In our second year, we were the first residents of Trueman House. Which, by the way, the meals were great, but the wearing of a tie and jacket?? This went a long way in bringing us together as close friends.

I very fondly remember professors Win Langille (who I still keep in contact with), as well as the late Parker Cox and Roy Stevenson. These gentlemen knew how to teach a bunch of young freshman who required a lot of guidance.

Participating in the College Royal and sports activities are also memorable. Of course mention of the Normal College ladies is a must! Thanks to Dale Ells, I met Emilie, my future wife, who was a Normal College student.

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

I have been back to many Class of '58 reunions and obviously noticed the growth of the campus and was aware of the increased enrolment. However, I had not really followed the changes in courses offered to the students until a couple months ago, when I went online to bring myself up-to-date.

I was impressed with the variety of courses that the students have to choose from and to me this indicates that the necessary changes in courses offered to meet changing times has been met. I thought back to my time of basically only having a couple of minor choices in our first two years. For me, I think having until third year to decide on my major was a benefit.

Additionally, the improved athletic facilities and number of team sports and extracurricular activities to participate in, makes an old grad a bit envious.

This issue of Agricola News points out that NSAC is everywhere you look. Our alumni are doing great things all over the globe and making the news. The university itself is doing great things to improve students experience and as always, conducting innovative research and projects. Our students are getting out in the community and we are engaging alumni around the world. Not to mention, NSAC is simply becoming more known. What are your thoughts on this and the things NSAC has been doing? What do you think can be attributed to this?

I agree, NSAC really is everywhere. It seems wherever I look or go I hear about NSAC.

This question made me think of the contributions that my classmates made: in business, teaching, farming, government, research, animal health and food safety. NSAC students have the ability to touch so many different topics.

I believe the move from the two year program to the option of a degree or diploma, the greatly increased enrolment and the addition of post-graduate studies, certainly makes the campus more complete from an academic standpoint. This also attributes to NSAC

having such well-rounded, successful students.

As for research and innovative projects, NSAC is always one step ahead.

I'm always impressed when I read a profile on an NSAC grad, whether it's about a unique job, a story of maintaining the family farm or highlighting an international endeavour. Reading or hearing about the achievements of my alma mater really makes me feel proud to be an NSAC alumnus.

If you had a vision for NSAC and how it would look 20 years from now, what would it look like and why?

My vision is that NSAC will continue to offer an exceptional opportunity to its students to develop in all the necessary ways to be successful upon graduation in whatever area they choose.

Although recognition in research and in international activities should be goals, I would hope that teaching at the undergraduate and diploma levels continues to be the priority of NSAC. The teaching of agriculture in the broadest sense should continue to be the foundation of NSAC's mission.

The number of family members that continue to choose NSAC is impressive and indicates the high level of satisfaction in the knowledge and experiences that each has gained. One must remember that without agriculture there is no culture.

In Memory

The university, along with NSAC's Alumni Association, acknowledges the passing of the following alumni members and extends our sympathy to friends and family.

Mr. Fred Scott	1934
Mr. William E. Brown	1948
Mr. Donald G. Anderson	1948
Mr. Owen Craig	1956
Mr. Keith A. Hamilton	1952
Mr. Ralph W. Shaw	1957
Mr. Harold R. Sanford	1958
Ms. Elaine Whelton	1976
Mr. Ken Yeo	1982

NSAC STUDENT RECEIVED OUTSTANDING YOUNG FARMER SCHOLARSHIP



Robyn McCallum, a student at NSAC was the first recipient of a new annual scholarship from Canada's Outstanding Young Farmers (OYF) program. Robyn was chosen from 19 applicants, all pursuing post secondary education in agriculture, for the \$1,000 OYF Memorial Scholarship established in memory of the late Martin Streef.

Robyn grew up on Co-wassaget Brook Farm, a 250-acre beef, berry and greenhouse farm in Tabusintac, NB operated by her parents and three younger siblings. Robyn is in her first year at NSAC, working towards a Bachelor of Science in agriculture in animal science, and is continuing a rich history at NSAC where her parents, aunt, grandparents and great grandparents all studied.

"I'm the only one from my high school that is going on to study agriculture and that makes this scholarship so exciting to receive," says Robyn. "I haven't decided what I want to do after I graduate, but I know I'll be part of agriculture – perhaps something to do with how climate change will influence agriculture in the future."

As part of the scholarship nomination, each applicant was required to provide a short essay to answer the question "Why are you passionate about agriculture in Canada?" Robyn's response included the opportunities to build a strong, united agricultural industry even in the face of difficulties. "I want to make a difference. I want to work to better agriculture and join a team of farmers and producers who work so diligently."

"OYF is honoured to be administering this new memorial scholarship on behalf of one of our alumni," says Richard Stamp, OYF president. "And Robyn McCallum represents the enthusiasm and energy that is the future of Canadian Agriculture. We all need to support and encourage the next generation to be excited about Agriculture; it is a very rewarding career, providing many opportunities."

The OYF Memorial Scholarship was established in memory of the late Martin Streef – president Streef Produce Ltd., a family-run fresh fruit and vegetable business in Woodstock Ontario – to help future generations of Canadians pursue their passion for agriculture. In 1996, Streef was recognized as both Ontario's and Canada's Outstanding Young Farmer. He died in April 2008.

Awarded annually in the fall, nominations are open to any individual in Canada pursuing a diploma or degree in agriculture at a Canadian institution.

In Touch!

Class of '56

Seaman, Bill... Retired Dec. 31, 2009 after 50 years in the farm and industrial equipment business. Spent several years with Massey-Ferguson in district management, dealer sales and management. Also spent time as a dealer council rep for the Atlantic Provinces and some product training for dealer employees. The last of my working years were with New Holland, in sales.

Class of '66

Jackson, David... Received an Excellence in Seneca award from Seneca College in Toronto.

Class of '75 & '76

Mellish, Dwane & Debbie... As active volunteers in Bible Hill, NS, were recently honoured with a provincial volunteer award for their commitments to their community.

Class of '77

Vermeulen, Andy... Was elected president of the Canadian Horticultural Council (CHC) for a one year term in March. Andy has been active in horticulture throughout his career with Horticulture Nova Scotia and as a director of the CHC for the past nine years.

Class of '79

Morse, Peter... Have been working as a realtor with Royal LePage Atlantic. Any alumni looking to re-locate to the valley area? I would love to hear from you! I'd be happy to help you with the purchase of the new residential or farm property. E-mail: plmorse@eastlink.ca

Class of '81

Muhammed, Umar... Currently I work for the Ministry of Agriculture and Rural Development in Nigeria. I am glad to be an "old boy" of the very best agricultural institution in Atlantic Canada.

My sincere regards to fellow classmates and other NSAC graduates from Nigeria.

Class of '83

McLean, Morven... Living in Washington, DC and working for ILSI Research Foundation as director, Center for Environmental Risk Assessment

Class of '98

Kini, JoAnn... Working for Western Landscaping/R&D Harris Excavating Ltd. Married with three kids, two dogs and a cat and still living in Yarmouth. I have worked with the same company since graduation and during the winter months, I volunteer with our Minor Hockey Association with two hockey teams and the local unit of Girl Guides of Canada.

Class of '99

Bishop, Patricia... Along with husband, Josh Oulton (Class of '96), were named Atlantic Canada's Outstanding Young Farmers of 2010. The vegetable producers live in Port Williams, NS with their three children.

Class of '03

Colpitts, Scottie... Now engaged to Victoria Hamilton and working for the Nova Scotia Animal Breeders Association as a genetic consultant. Wedding will take place on July 3.

Nova Scotia: Canada's University Capital

NSAC took part in a marketing campaign, with the province's other 10 universities, to market Nova Scotia as Canada's university capital.

Launch events were held in Halifax, Toronto and Ottawa. Students, staff and alumni proudly represented NSAC, showing their pride with the loudest cheer, at the three events.

For more information check out www.universitycapital.ca



L-R: Don Grant (Class of '58), VP Research Extension and Outreach, NSAC, Richard Donald, Billy Williams (Class of '03), Jamie Miller (Class of '99) and Andrew McIssac (Class of '02).



Another successful launch in Toronto! NSAC's VP Research, Extension & Outreach, Richard Donald, met up with NSAC alumnus Jeff McCallum (Class of '10).

Nova Scotia Agricultural College

OPEN HOUSE 2010

Thursday,
July 22
10 a.m.-
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Come explore NSAC!

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Due to provincial legislation, our auto insurance program is not offered in British Columbia, Manitoba or Saskatchewan.

¹Certain conditions and restrictions may apply.

*No purchase required. Contest ends on January 14, 2011. Total value of each prize is \$30,000 which includes the Honda Insight EX and a \$3,000 gas voucher. Odds of winning depend on the number of eligible entries received. Skill-testing question required. Contest organized jointly with Primum Insurance Company and open to members, employees and other eligible people of all employer and professional and alumni groups entitled to group rates from the organizers. Complete contest rules and eligibility information available at www.melochemonnex.com. Actual prize may differ from picture shown.

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