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SCHOLARS**

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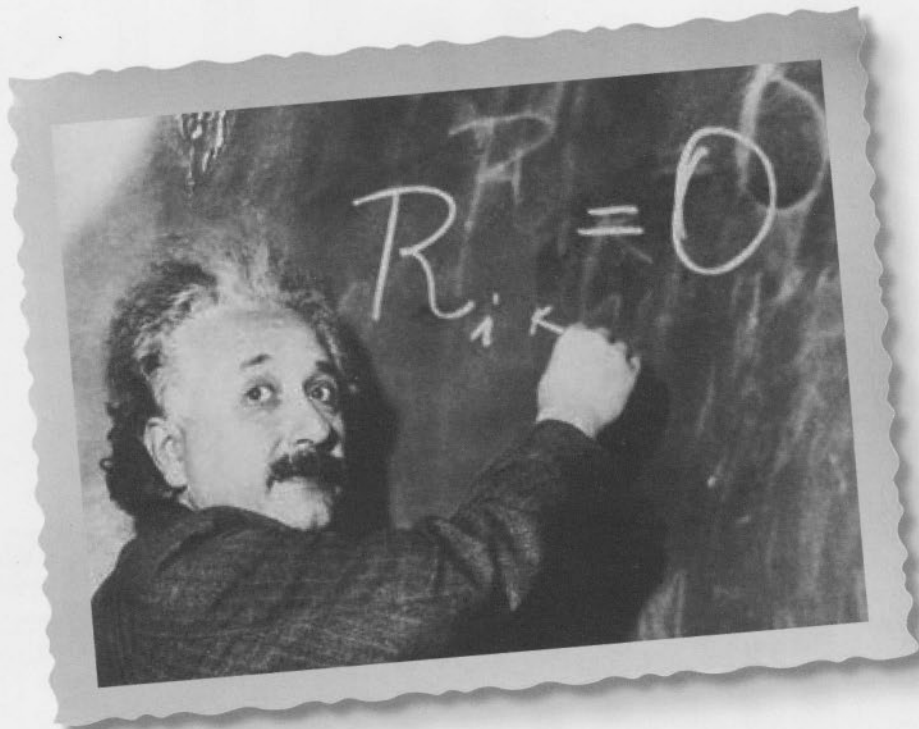
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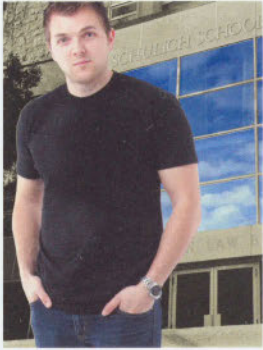
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 **DALHOUSIE
UNIVERSITY**
Inspiring Minds



On our cover

First-year law student Ryan Greer compares getting a Schulich scholarship to winning the lottery. "Wow, it's huge," he says. Ryan was photographed by Nick Pearce.

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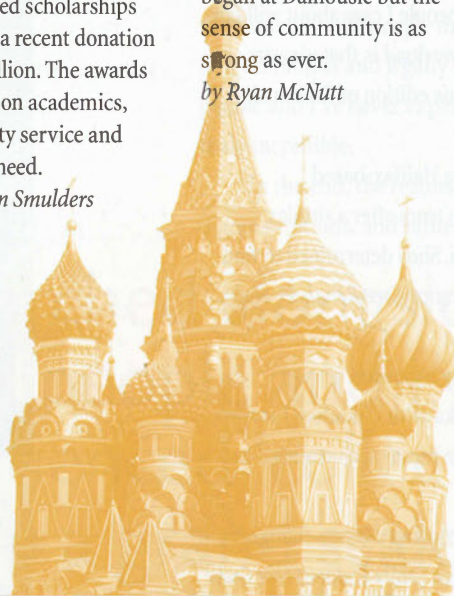
What's in a name?

That didn't take long. Two dozen students from the Schulich School of Law at Dalhousie University hold funded scholarships thanks to a recent donation of \$20 million. The awards are based on academics, community service and financial need.
by Marilyn Smulders

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From Russia with love

Far from the mother country, there's a tiny piece of Russia with a toehold on the east coast of Canada. Much has changed in the 65 years since Russian Studies began at Dalhousie but the sense of community is as strong as ever.
by Ryan McNutt



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An enlightened view

It's time for a fresh look at George Ramsay, the ninth Earl of Dalhousie, and our university's founder. The National Gallery of Canada is bringing his world to light with an exhibition at Dalhousie Art Gallery.
by Marilyn Smulders

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Research that matters

Living in a country that borders three of the world's oceans, it's perhaps not surprising that our researchers are collaborating to better understand storm surges, fisheries management, fragile coastal ecosystems and the formation of the oceanic crust.
by Julia Watt

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Working it

What happens after our graduates hit the pavement? We share some findings of the Career Services Centre Destination Survey (Spring, 2009).
by Billy Comeau

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John Elliott Woolford,
Perspective View of
Province Building from
the N.E., c. 1819.
*History Collection,
Nova Scotia Museum, Halifax.*

What about young Anaely?

On my fridge is a drawing by a young girl named Anaely. It zings with color, from the greens of a palm tree to an azure sky. She drew it to show me a modest building that is changing her life – her elementary school. It either has pink spotted curtains and a purple wall, or she's successfully exercising her artistic license.

Anaely's family lives in a small town close to Haiti's capital where I've been sponsoring community development through an NGO for 20 years. This support helped create access to education, clean water and basic health services. And so it was that I found myself with bleary, reddened eyes over a TV report showing injured residents navigating the streets of Port-au-Prince, unable to know how people I care about will fare.

A paradox of the global village in an age of information overload is that viewers can feel disconnected from images broadcast around the world. This edition of Dalhousie magazine is an antidote to that anaesthetization.

Port-au-Prince is a familiar destination for Ruth Duggan, a Halifax-based occupational therapist, and regular clinic volunteer. Ruth was in tears after a similar evening newscast, but inside of a week she was en route to Haiti. She's determined to find a way forward for the many survivors who will require rehabilitation (*see Rehab for Haiti, Page 6*).

The stoic courage of Bangladeshis lining up to vote during monsoon season impressed law student Alison Hopkins during her visit to Dhaka with Canadian Lawyers Abroad. Alison is now one of the first Schulich scholars and she remains committed to community service (*see What's in a name? Page 10*).

The passion of activists hitting the streets of Copenhagen during climate change negotiations provided a deeply motivating experience for student Emily Rideout (*see Guest View, Page 3*). Meanwhile, alumna Rochelle Owen is making inroads with sustainable practices for the university's day-to-day operations (*see Walk the talk, Page 5*).

Munro Day, our unique winter holiday, honours a tradition of philanthropy (and provides a welcome lift in the midst of winter). Appropriately enough, we recognize an unprecedented \$20 million gift to the Faculty of Law (*see What's in a name? Page 10*). Our founder and first benefactor, George Ramsay will be shown in a fresh light in a national art exhibition (*see An enlightened view, Page 16*). The 17th Earl of Dalhousie is expected to celebrate with our donors and friends during a reception at the Dalhousie Art Gallery.

In the spirit of George Munro, do what suits you best ... donate, volunteer, vote, witness, protest, create ... and share your own unique outlook.

Mine has pink spotted curtains and a purple wall.

Amanda



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Dr. Allan Marble is a professor emeritus and chair of the Medical History Society of Nova Scotia.

Marilyn Smulders has always loved arts reporting, so the chance to interview the curator about the Lord Dalhousie exhibition made her the picture of contentment.

Of all the classes that **Ryan McNutt** took as a history student, his favourite might have been a seminar on the Soviet Union. He's particularly proud of his term paper exploring the Red Orchestra espionage network in Europe during the Second World War. For this issue, he writes about the 65th anniversary of Russian Studies at Dalhousie.

Billy Comeau enjoys winter. Whether it's the hot drinks, snowball fights, skiing or just the feeling of getting warm after being so cold, everything seems better when the snow is falling. Billy's favourite winter tune: *Song for a Winter's Night* by Gordon Lightfoot.



Julia Watt edits *OutFront* magazine for Research Services and is the Director of Advancement Marketing and Communications with the Office of External Relations.



It was a family celebration for photographer **Nick Pearce** when Crystal Lowe-Pearce was recently awarded her PhD. Nick took the photo of Crystal together with their daughter Alicia in a happy moment following fall convocation ceremonies.



Photo: Danny Abriel

A citizen's perspective

Emily Rideout is an Environmental Science and International Development Studies student, focusing on climate change and water management issues. She represented Sierra Club Canada at the UN Climate Change Negotiations in Copenhagen, Denmark in 2009 and in Poznan, Poland in 2008.

I left behind the world of exams to travel to Copenhagen, Denmark for the UN Climate Change conference as a citizen journalist. This was to be a landmark conference with the potential to further prevent dangerous climate change.

Copenhagen is a city I had always wanted to visit for its architecture, renewable energy and, in general, a greener and more socially conscious culture. You can imagine my excitement at attending the most significant environmental conference in the world in this beautiful city.

I was impressed to see the immense mobilization of citizens. A Dec. 13, 2009 rally saw 100,000 people marching through downtown Copenhagen in support of a fair, ambitious and legally binding climate treaty. I marched alongside those 100,000 people and I've never experienced 'collective will' on such a grand scale before. It was truly incredible.

In the end, the results were disappointing. After two weeks of intense lobbying, demonstrations, and rallies, the negotiations essentially collapsed. The final

I marched alongside those 100,000 people and I've never experienced 'collective will' on such a grand scale before. It was truly incredible.

Copenhagen Accord does not include any targets or timelines and is not legally binding. The only positive element in my mind is the recognition that a two degree Celsius increase is the maximum allowable. But it seems to me that without targets or time-lines, it is a hollow victory.

As a proud Canadian, I was incredibly disturbed to learn that Canada was one of a handful of countries responsible for stalling the negotiations. Canada currently has the second-worst mitigation target of any industrialized country. Canada was awarded the Colossal Fossil, an ironic distinction given to the most obstructive country at the negotiations.

This eye-opening experience increased my resolve to do what I can to raise awareness among Canadians that climate change is real, that urgent action is needed, and that our government needs to start pulling its weight when it comes to mitigating our massive greenhouse gas emissions.

Upfront on campus



Photo: Nick Pearce

Reaching out to Aboriginal students

How can we get more Aboriginal students to enrol in the health sciences? This question is being asked across the country.

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"We need more Aboriginal students in the health fields, to better reflect the population in Canada. We're not there yet, but Dalhousie is taking steps to make that happen," says Kara Paul (BSc'09), Aboriginal Health Sciences Initiative (AHSI) coordinator.

To answer this question, a collaborative project funded by the AHSI is drawing together faculty and staff from Dalhousie and Cape Breton University, and leaders from Aboriginal communities in Nova Scotia, Prince Edward Island and New Brunswick. Principal investigator Fred Wien, Dalhousie School of Social Work, co-chairs the committee.

The Dalhousie committee is focused on admission, curriculum and outreach. In addition, members will develop recommendations for creating a friendly and supportive environment in the health sciences for Aboriginal students.

"We feel this will lead to good discussion and solutions. We hope that by implementing our recommendations, Dalhousie will eventually see more Aboriginal students graduating from the health sciences," says Ms. Paul.
Dawn Morrison



This won't hurt a bit

More than 4,000 people from the Dal community rolled up their sleeves for the H1N1 vaccination (many others attended public health clinics or visited their family doctors).



Photo: Bruce Bottomley



'The new peril completely arrested college life'

Norman McKay might have been the least popular public health official in the province during the influenza crisis of 1918.

The respected surgeon and quarantine officer used his strong personality to shut down schools, universities, theatres and churches ahead of the epidemic. Bishops protested vehemently but had to shiver through outdoor services; theatre owners unsuccessfully petitioned to reopen; and the local paper griped about deserted sidewalks, 'A gloom has formed over Halifax.'

Unwelcome as the measures may have been, a recent research paper reveals Nova Scotians were unbelievably fortunate those steps were taken ahead of the epidemic.

Ultimately, Nova Scotia's death rate was 3.47 per 1,000 residents, proportionally much less than other areas of Canada. Between September 1918 and March 1919, approximately 2,000 Nova Scotians succumbed.

It was only in 2007 that vital statistics for the period became accessible, showing the cause of death, age and occupation; and finally, communities most afflicted.

The Dalhousie community was not immune. On the advice of public health authorities, classes were suspended for six weeks in the fall of 1918, according to President Arthur MacKenzie's 1919 Annual Report. "The new peril completely arrested college life," noted the student-run *Dalhousie Gazette*, following the Oct. 6 closure.

During the university hiatus, fourth-year medical student Florence Murray packed up for Lockeport, N.S., a modest port of call for lobster fishermen. The influenza epidemic was likely imported from Gloucester, Massachusetts, by way of the sea.

Risking her own health, the young student from Pictou, N.S., stayed in the midst of the epidemic – in only 15 days, 26 residents died. She survived to become a well-known Presbyterian medical missionary.

Interested? Check out: *At the Foot of Dragon Hill* by Florence Murray, *Petticoat Doctors* by Enid MacLeod, or *The Silent Enemy* by Eileen Pettigrew.
Allan Marble



Walk the talk

With a stroke of the pen, Dalhousie President Tom Traves signed his name to the University and College Presidents' Climate Change Statement of Action.

Signing the document commits Dalhousie to significantly reduce emissions of greenhouse gases and take a leadership role in educating about global climate change. Most of the actions agreed to are already underway at Dalhousie.

"The environment is already an area of concern in our research and teaching," said Dr. Traves. "Now it's time for us to walk the talk and commit our institution to good environmental stewardship."

Rochelle Owen, director of Dalhousie's Office of Sustainability, adds: "We can meet or beat provincial standards. We've got a number of strategies already started to do this."

According to a greenhouse gas inventory completed for the university, approximately 109,777 metric tonnes of carbon dioxide are emitted. Most derive from heating and cooling the university's 4.8 million square feet of indoor space. Bunker C heavy fuel oil feeds two boilers that create steam. The other primary draws for energy at Dalhousie are lighting systems, office equipment and specialized research needs.

Moving forward, Dalhousie will switch to natural gas – a conversion slated to take place next year. Other energy savings are expected from the retrofit of the 40-year-old Life Sciences Centre and a campus-wide lighting conversion.

Student Will Horne was on hand for the signing and came away impressed. "I hope it's just a sign of many more things to come."

Marilyn Smulders

MBA Corporate Residency: from the classroom to the boardroom

What is the toughest way to get a job? How about giving a pitch to a room of 32 employers followed by eight back-to-back job interviews?

Michelle Ernest went through this one-day process. The first-year MBA student secured an eight-month internship with Aon Risk Services, a risk management, consulting and insurance company. "It was a chance to be myself," says Ms. Ernest. "Instead of having to find the employers, I was sought out."

Ms. Ernest is one of 40 students enrolled in the new Corporate Residency MBA program. From Liverpool, N.S., she specialized in marketing at Acadia before choosing the innovative corporate residency MBA at Dalhousie.

This is the first program in Canada to include an eight-month internship. The program is partnered with organizations such as Proctor and Gamble, Industry Canada and TD Securities.

"Eight months gives me time to get a good sense of the person," says Jim Wilson (MBA'87), President of Wilson Executive Search, a Halifax-based recruiting firm. "We have the opportunity for a more thorough evaluation compared to a four-month internship and students can understand how our company works."

Students go through a series of intensive courses in the fall, complete the internship from January to August, and take electives in the second year. The program includes Professional and Personal Effectiveness, a course designed to teach students how to identify their personal leadership abilities and develop their careers. Scott Comber, the course professor and director of the MBA program, says employers want the right mix of academic and social skills.

"Employers want people who are self-aware, emotionally intelligent and know how to deal with complexity and uncertainty," says Dr. Comber. "In Personal and Professional Effectiveness, three key elements we focus on are self-awareness, leading others and leading in systems. We prepare them for managing and developing a career."

So far the program is getting good reviews. Dal hopes to attract 55 new students for next year. "There are still kinks to work out," says Jocelyn Ball, a first-year MBA student. "But I have no doubt this program will become the best of its kind in Canada." *Julie Sobowale*



Upfront on campus

Dr. Crystal Lowe-Pearce (PhD '09) and daughter Alicia celebrate after fall convocation ceremonies.

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DALHOUSIE MAGAZINE

Photo: Nick Pearce



Rehab for Haiti

Occupational therapist Ruth Duggan (BSc OT '88, MSc OT '02) boarded a plane to Haiti only a week after the earthquake, joining Handicap International to assess the delivery of therapeutic rehabilitation in the months ahead.

Providing equipment, treatment – and most significantly, training – for Haitians is the *raison d'être* for Team Canada Healing Hands, a not-for-profit that includes volunteers from the Dalhousie community.

“The immediate medical needs are not our forte, but the ongoing rehabilitation is our strength,” says Ms. Duggan. “We had a prosthetics site where we were making artificial arms and legs to replace lost limbs.”

That facility, the Kay Kapab clinic for rehabilitation services in Port-au-Prince, collapsed in the earthquake. “The clinic itself looks like it will have to be bulldozed,” says Ms. Duggan.

While the rehabilitation clinic in Haiti is reduced to rubble, their resolve for recovery is gathering strength.

“I will go back as soon as I can,” says occupational therapy student Alisa Brown. “You just really, really want to be there and it’s frustrating to be here – but I will have more to offer as soon as I graduate in June.”

Her studies were motivated by a mission in Haiti, where she visited orphanages while therapists assessed children with special needs.

“It was life changing for me,” says Ms. Brown.

“The Haiti experience certainly led me here, since many of the therapists, doctors and volunteers were Dal grads.”

Melissa Grant (BSc OT '07), of Fredericton, is already considering her return to Haiti, with the long-term impact of injuries on her mind.

“Disability rates will increase as a result of either direct impact of falling debris, or from lack of medical attention to injuries,” says Ms. Grant.

Amanda Pelham





Photo: Nick Pearce

Off to Oxford

University of King's College student Rosanna Nicol has won a Rhodes Scholarship to attend Oxford University. Ms. Nicol was inspired by Dalhousie professors Amal Ghazal (history) and Ruth Forsdyke (economics).

A league of their own

Parents, professors and peers recently celebrated with 78 student-athletes chosen for national recognition as RBC/CIS Academic All Canadians.

To qualify, a student-athlete must maintain an average of 80 per cent or higher and compete in a varsity sport. All 14 of Dalhousie's varsity teams were represented in the awards ceremony, showcasing the breadth of academic success exhibited by Tigers student-athletes.

Four-time Academic All-Canadian Andrew Sullivan from Riverview, N.B., recognized the involvement of family, academic mentors, coaches and university staff in providing student-athletes the opportunity to compete for Dalhousie.



Photo: Nick Pearce



Photo: Nick Pearce

Ancient Egyptian legacy inspires future scientists

Everyone needs a mentor: someone to look up to, someone who can demonstrate the possibilities.

For Kevin Hewitt, associate professor in the Department of Physics and Atmospheric Science, his mentor was his mother: a straight-talking, no-nonsense single mom who raised three sons and a daughter while working two jobs.

"Like a lot of immigrants to this country, she understood the importance of education and the opportunities it provides," says Dr. Hewitt, who grew up on the Caribbean island of St. Vincent.

Passionate about outreach because of his mother's example, Dr. Hewitt is one of the founders of the Imhotep's Legacy Academy, an initiative that brings African Nova Scotian junior high school students together with university student mentors.

Imhotep recently expanded with a virtual school program that serves as an online meeting space for high-school students and Dalhousie University tutors in math, biology, chemistry and physics.

But the student-mentor relationship – "face-to-face contact with someone who looks like you" – will always be the backbone of this innovative program. It has shown the way for several African Nova Scotians who are now students in math and science at Dalhousie. Many have continued into graduate or professional programs, including Dentistry and Medicine.

"For a very long time, we have been told that we cannot succeed, and that's because of our history," says Dr. Hewitt. "The legacy of slavery created this perception of inferiority among people of African descent and we have to obliterate that."

That's why Dr. Hewitt looked to an earlier history in naming the academy for Imhotep, an African-born commoner who made it big as a scientist, engineer and poet in ancient Egypt. "I think it shows us what we're truly capable of," he says.

Dr. Hewitt, who is one of only two black physics professors working in Canada, adds: "Thank goodness though for my mother. Despite what other people had to say, the most significant person in my life was telling me I could achieve and I did."

Marilyn Smulders

Upfront on campus

100µm



Revealing microworlds

In the 17th century, the microscope opened up a new world: a microworld of living organisms much too small to be seen with the naked eye.

Through the centuries, there have been many advancements of Anton Van Leeuwenhoek's invention, but the concept has remained basically the same – a series of lenses amplify an object for a magnified view.

Physics professor Hans Jürgen Kreuzer's invention achieves microscopy from a different angle. Fifteen years ago, he and a colleague, Professor Emeritus Manfred Jericho, created the digital inline holographic microscope. Over the years, they've refined and toughened their instrument – the latest rendition can operate underwater to image living microscopic marine organisms in their natural environments.

"I would say it is very unique but so simple," says Dr. Kreuzer, as he flips through 3-D pictures and short film clips on his computer – starring various paramecium, rotifers, ciliates and bacteria.

The submersible microscope consists of a pair of watertight compartments separated by a chamber into which water can flow. One compartment contains a laser that shines through a pinhole window facing into the water. In the second compartment, there's a tiny digital camera.

As the laser hits the pinhole, the light spreads out in spherical waves. As the waves illuminate an object – say a bacterium – it forms a magnified pattern, a hologram, in the camera. The hologram is stored as a digital image in a computer and reconstructed to create a 3-D image of the object.

Last summer, a scientific team from Dalhousie and McGill Universities, with funding from the Canadian Space Agency, took the microscope to Axel Heiberg Island in the high Arctic to investigate if there was life in perennial springs and glacial melt-water pools. And there was, plenty of it, including algae and bacteria thriving in extreme temperatures:

So what's next? What about sending the digital inline holographic microscope on a space mission to see if there's life in the submerged oceans of Jupiter's moon Europa or in subsurface pools on Mars?

"They're talking about it," says Dr. Kreuzer with a shrug, "and it makes sense given that the payload for this instrument is less than a pound."

But frankly, he finds the idea of searching for alien life amusing. "I think there is plenty to discover in marine environments right here on Earth and I hope more marine biologists and oceanographers will use it."

Marilyn Smulders

Best of Halifax

Ask Roberta Barker (BA'96, MA'97) what she most enjoys about teaching and the conversation immediately turns to her students.

"I think Dalhousie and King's have incredibly dedicated, energetic and enthusiastic students. They really care. They're stimulating and engaged," the theatre professor says. "And that's inspiring."

Apparently, it's particularly inspiring for Dr. Barker, who was recently honored – for the second consecutive year – as Best Professor by Halifax's *The Coast* newspaper in its "Best of Halifax 2009" issue.

"It's a lovely boost," Dr. Barker says of the award. "But I'm a little ashamed, actually, because I am surrounded by so many other great colleagues. Some were actually my profs."

Dr. Barker, who's been teaching at Dalhousie and the University of King's College for nine years, and is in her first year as chair of the theatre department, cites one of her own professors as having been particularly influential.

"When I was a student, I was a TA for Jure Gantar. He taught me that you have to learn every student's name and get to know what's going on in their lives; that you need to be the person who students remember as having supported them, improved their work or helped them in a crisis."

That's the philosophy she brings to the classroom, along with a palpable passion for the courses she teaches – Modern Theatre, Dramatic Theories in Practice: From Melodrama to Realism, and Opera and the Idea of Enlightenment.

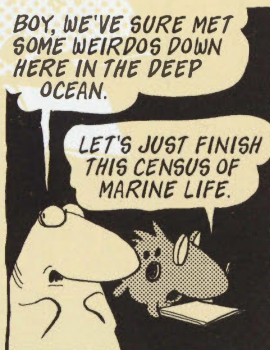
Dr. Barker was one of several Best of Halifax honorees with a Dalhousie connection. Others include:

- *Best Halifax MP*; *Best Activist runner-up*: **Megan Leslie (LLB'04), NDP MP**
- *Best Member of the Provincial Legislature*: **Darrell Dexter (LLB'87), Premier of Nova Scotia**
- *Best Theatre Actor (Female)*: **Sue Leblanc-Crawford, Dalhousie theatre instructor**
- *Best Politico Waiting in the Wings*: **Howard Epstein (LLB'73), Schulich School of Law part-time faculty member**
- *Best Trivia Night*; *Best Student Hang (runner-up)*: **Sexton's T-Room**

Best of Halifax winners were chosen from more than 3,000 entries submitted by *Coast* readers.
June Davidson



Photo: Danny Abriel



Art imitates life

Dedicated readers of the widely-syndicated Sherman's Lagoon cartoon strip recently noticed a brainy fish named Ernest taking an inventory of bottom dwellers for a census of marine life.

While the creatures in Sherman's Lagoon are fiction (sorry, Ernest, that includes you), it is a case of art imitating life. International partnerships are assessing ocean conditions around the world, including the movement, diversity, distribution and abundance of marine life.

Dalhousie marine biologist Ron O'Dor is the global scientific director for the Ocean Technology Network headquartered at Dalhousie University, and is also the senior scientist for the international Census of Marine Life, based in Washington, DC.

As he explains, the artist Jim Toomey is a keen environmentalist who took classes in marine science at Duke University. His former professor Patrick Halpin, now a project leader affiliated with the census, suggested the plot line for the cartoon.

Ernest takes his fictional research seriously by tracking down and counting unusual specimens. In fact, Dr. O'Dor thought that he'd heard of every sort of habitat, until Ernest described the décor inside a vampire squid's lair.

"While we have lured many vampire squid from their lairs, we have yet to find an associated Hannah Montana poster," says Dr. O'Dor, with a tongue-in-cheek nod to his fictional counterpart.

On the other hand, some of Ernest's unusual sounding finds – the yeti crab, a furry crustacean – are well documented by scientists. "They are probably the most popular new species we have found and there are even yeti crab t-shirts," says Dr. O'Dor.

The daily comic appears in more than 150 newspapers around the world, including Halifax's *The Chronicle Herald*. The reference may bolster the public profile of scientific research on the oceans that cover 70 per cent of Earth's surface.

"We are happy for the synergy," says Dr. O'Dor. *Amanda Pelham*

Detecting counterfeits

When the Bank of Canada wanted to study detection of genuine versus counterfeit bank notes, they turned to cognitive scientist Raymond Klein.

The Dalhousie psychology professor worked with the bank's currency development team, performing several studies, which will help the bank determine the security features to protect the next generation of currency.

Knowledge of security features discourages counterfeiting and is crucial in detecting counterfeits. Dr. Klein and his team performed tests with cash handlers and the general public using vision and touch. Those with training were most able to detect counterfeits, however, once aware of the security features, the general public performed very well.

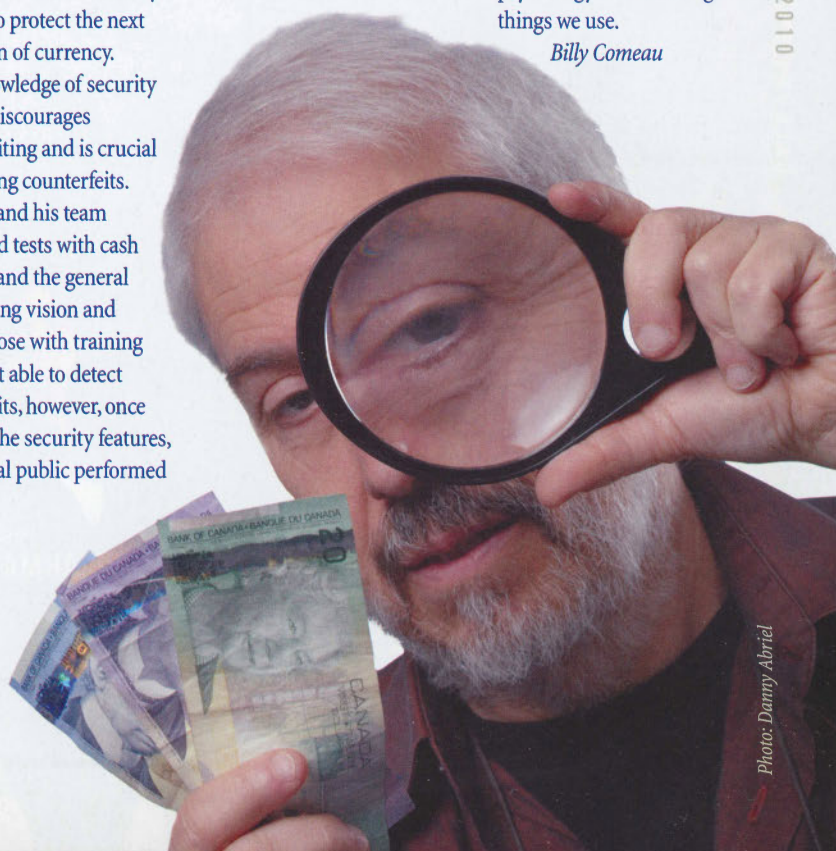
These features include visual indicators such as a ghost image of the portrait in the watermark, denominations that can only be seen when the note is tilted in the light and a Bank of Canada image that can be viewed under fluorescent light. Tactile features such as raised ink are spread throughout the note.

"It's important that not only those who handle money be trained in detection, but also the general public," says Dr. Klein.

Anyone curious about the authenticity of the bills in their wallet can view security features by visiting the Bank of Canada website (www.bank-banque-canada.ca).

Since his first sabbatical at Bell Telephone Laboratories, Dr. Klein has had an interest in applying methods of experimental psychology to help solve real-world problems. He has conducted research with the Department of National Defense, Nortel Technologies, NSCAD University and the Bank of Canada. His research includes visual attention and disorders, reading and dyslexia, applied cognitive psychology and the design of things we use.

Billy Comeau



SCHULICH SCHOOL OF LAW

Seymour Schulich

WILSON LAW BUILDING

William
WONG

Tessa
WARMALINK

Jenna
WATES

Dillon
TRIDER

Erin
TOLFO

WHAT'S IN A name?

B Y M A R I L Y N S M U L D E R S

Compared to the millions Seymour Schulich has made and given away, \$1,600 seems paltry. And yet it meant so much.

Fifty years ago, the then-young Montrealer was struggling. He had flunked out of an honours chemistry program at McGill University. Then, after graduating with a general science degree, he got a job at Shell Oil as an analyst.

But Mr. Schulich had an idea business might be more up his alley, so he applied for a scholarship to return to McGill, this time to study business. His \$1,600 scholarship more than covered tuition, so

Mr. Schulich invested it and made even more money. That one scholarship allowed him to go back to university without worrying about debt; he even had money remaining to travel to Europe afterwards.

"It turned out for the best," says the self-made billionaire on the phone from his office in Toronto. "I would have been a mediocre chemist instead of a pretty good businessman."

When the entrepreneur added philanthropist to his job description, he made education his cause. Over the past 15 years, he's given \$175 million to universities in Canada, the United States (specifically Nevada) and Israel.

In Canada, he's created his own "composite university," as he calls it. There's the Schulich School of Business at York University in Toronto; the Schulich School of Medicine and Dentistry at the University of Western Ontario in London, Ont.; the Schulich School of Engineering at the University of Calgary; the Schulich Library of Science and Engineering at McGill University in Montreal; and the Schulich School of Music, also at McGill.



Kevin MYSON

Natasha PRASAUD



Rebecca CRAIG

Teresa Ann MARTIN

Regina MARTIN

Sara MAHANEY

My idea is that if you can **HELP** young

you'll

And last October, he expanded his academic family by making a historic gift of \$20 million to Dalhousie's Faculty of Law. It's since been renamed the Schulich School of Law at Dalhousie University in his honour.

"My idea is that if you can help young people, then that's what you should do," says Mr. Schulich, who recently celebrated his 70th birthday. The family-oriented Mr. Schulich never fails to talk about his four grandchildren – "Wrecking Ball" and "Search and Destroy" among them. He shares his office with "16 kids" who run a company called Ryppel, which offers coaching and performance feedback over the Internet.

"You know, there are a lot of diseases and stuff like that, but that's not my thing," he adds with characteristic bluntness. "If you're going to advance Canada, we have to promote successful young people. They're the ones who'll make the policies, find the cures, start the businesses."

When he arrived in Halifax for the official announcement at the law school, he had already knocked several noses out of joint by telling a *Chronicle Herald* reporter that wealthy Canadians should be more generous in their support of higher education in the region. Instead of backing down from the controversy, he's since expanded his views in a story in *Canadian Business's* Canada's 100 Richest People issue. (He ranks number 40 on the magazine's annual list.)

Whispers and indignation over a billionaire wanting to put his name on the law school – the oldest university common law school in Canada – started circulating last fall. A Facebook group was established, Alumni Opposed to the Renaming of Dalhousie Law School, but the opposition never really took root.

"When we first heard about it, we had mixed feelings. We are so steeped in tradition and very attached to what we have here," says Lia Bruschetta, 25, a third-year law student.

Ms. Bruschetta, from Vancouver, B.C., fell in love with Dalhousie after taking a campus tour and making friends with the tour guide, a law student herself. She enjoys the small-city charms of laidback Halifax and the kindness of the people, who have gone out of their way to make her feel welcome. She finds those qualities of supportive friendship and community service in the law school, too.

"But as soon as we realized what (the gift) would do, well, it makes perfect sense," she continues. "I believe it is completely reinvigorating our law school."

Once he decided to give the money – "and not without a lot of introspection," says Mr. Schulich – it wouldn't be as a blank cheque. He has definite ideas on how the money should work and grow.

In addition to the Schulich scholarship recipients shown, congratulations are also extended to **Ryan Greer** (shown on the cover), **Lynnette Muise** and **Nathaniel Smith** (not pictured).



Jon
GOTTLIEB



Alison
HOPKINS



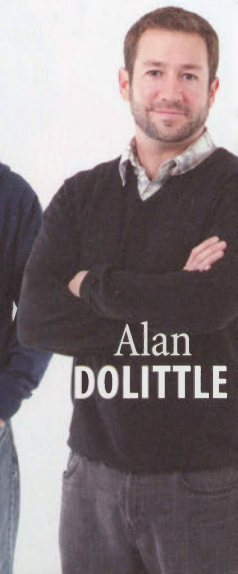
Margaret
GEORGE



Leah
GRIMMER



Bryan
KUCHER



Alan
DOLITTLE

people, then that's what you should do.

ing people

Mr. Schulich stipulated the money should flow immediately and it has. In January, 25 students received word that they were each awarded scholarships valued at \$12,000. Another round of scholarships (a maximum of 41) will be awarded in September 2010. The scholarships, ranging from \$10,000 to \$20,000 each, are awarded to students who meet two of three qualifications: academic achievement, community service or financial need. Other dollars are earmarked for what Mr. Schulich refers to as a "dean's super fund," to go to faculty and visiting professors' recruitment and travel, student clubs, minor capital upgrades, research and student placements.

Scholarship recipient Ryan Greer feels like he won the lottery. With \$12,000 replenishing his bank account, the first-year law student from Salmon Arm, B.C. doesn't have to worry about getting a part-time job and finding the cash to cover tuition. All he has to do is study.

"It is so great not to stress out all the time about money," says Mr. Greer, 25, who is paying off loans accumulated while doing his undergraduate degree in political science at the University of Toronto. "I mean, it's nice for him too, he can have that warm fuzzy feeling because he gave away some of his millions, but for me, wow. It's huge."

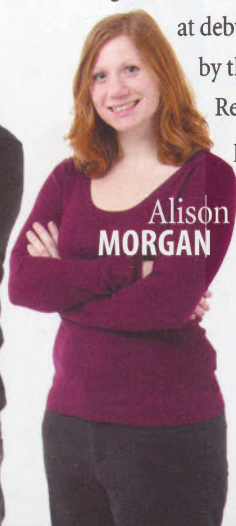
In 2009-10, law school tuition totals \$12,515, fees included. Many law students have yet to pay down the debt incurred while completing their undergraduate degrees. Students like Mr. Greer for example, are looking at debt loads in the range of \$50,000 to \$80,000 by the time they walk across the stage of the Rebecca Cohn Auditorium to fetch their parchments.

For third-year law student Alison Hopkins, 26, the scholarship has broadened her options. "You don't have to take a job based in part on what they're paying because you're worried about all those loans," says Ms. Hopkins, a native of Lethbridge, Alberta. "It can be about what you're passionate about."

She's keen to practise international law, having taken the chance to travel to Dhaka, Bangladesh, in 2008. There, she did an internship with Canadian Lawyers Abroad and observed the country's first national elections in seven years. After two years of military-backed rule, corruption and violence, Bangladeshis were eager to see their country return to democracy; they stood calmly in long line ups, with the ID cards ready to be checked against photographs on the electoral roll. With the election taking place during monsoon season, some people "waited in line in knee-deep water," she says. "It was amazing to see how much people cared about voting when so many people here don't."

That experience wouldn't have been possible if her faculty hadn't emphasized the importance of volunteering and community service – values also recognized by the Schulich scholarships.

"I have a lot of respect for someone who acknowledges community service and gives back so generously," Ms. Hopkins says.



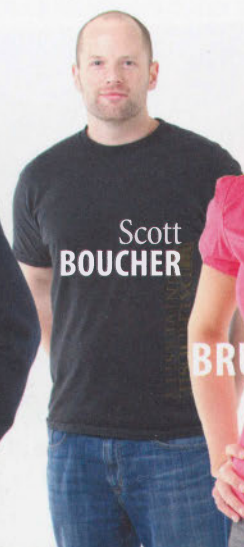
Alison
MORGAN



Maddy
CARTER



Matt
KUTCHER



Scott
BOUCHER



Lia
BRUSCHETTA

FROM RUSSIA WITH LOVE

B Y R Y A N M C N U T T

14

DALHOUSIE | MAGAZINE



Photo collage: Brian Harrison

The pews of Halifax's All Nations Church don't take long to fill on Russian Night. As a sizeable crowd shuffles in from the unseasonably warm November evening, the room buzzes with bilingualism. A cacophony of Russian and English mashes together in anticipation of an evening of song, skit and supper, put together by students, faculty and staff. They perform Russian skits about bears and wolves. They sing Russian songs in choir. And they serve copious amounts of borscht – so much that silverware is in short supply.

ACADEMIC AND IDEOLOGICAL TENSIONS OF THE COLD WAR ERA HAVE GIVEN WAY TO A NEW UNCERTAINTY OF MODERN RUSSIA'S PLACE IN THE WORLD

The yearly event is an opportunity for Dalhousie's Department of Russian Studies to open doors to the Russian and Slavic communities of Halifax. But this year's Russian Night has extra cause for celebration: the department is honouring the 65th anniversary of Russian Studies at Dalhousie.

"It's like we've built a little piece of Russia on the east coast of Canada," says John Barnstead, the department's longest-serving faculty member, with a hearty laugh.

What began in 1944 as a Russian language course started by French instructor Irina Coffin – 15 years before the launch of Sputnik launched a tidal wave of academic interest in the subject – has grown and changed alongside Russia itself. Today, the department is an intimate but invaluable part of the Faculty of Arts and Social Sciences. Though it hosts a small number of majors, its varied courses in culture, history, film and language are taken by almost 300 students from all disciplines.

"We are a small department but very diverse in what we offer," explains Yuri Leving, a Nabokov scholar and department chair. "Many of our courses are cross-listed, so we're able to reach out to students from across Dalhousie, and many of them keep coming back for other offerings."

The department may be best known for its Intensive Russian Program, which enables students to live and study in Russia. Started 35 years ago with the influential support of Dalhousie's then-president Henry Hicks, it was the first of its kind in Canada and counts many of the country's most notable Russian scholars as alumni. This year, 20 students will journey to Saint Petersburg State University, some during a newly-created summer program.

"The program allowed students to have an exposure to Russian culture and civilization which they could never have gotten otherwise and acted as a beacon, with its alumni bringing the Dalhousie program to greater prominence," says Norman Pereira, professor emeritus and creator of the Intensive Russian Program.

In the 1970s and 1980s, it was also an exchange program that brought Soviet academics to campus at the height of Cold War tensions. The first such professor, Viktor Mazlov in 1978, was actually a Second World War veteran and colonel in the KGB.

The Intensive Russian Program hasn't always been easy to sustain. It nearly didn't survive the Soviet invasion of Afghanistan, and its numbers have ebbed and flowed with changing political tides. That said, some of its greatest peaks have come during times of crisis and increased interest in Russia.

Today, the academic and ideological tensions of the Cold War era have given way to a new uncertainty of modern Russia's place in the world. Though the times have changed, the impact of the Intensive Russian Program remains.

Tina Usmiani, a familiar face at the Killam Library where she's worked for over 20 years, was part of the first contingent that traveled to Russia in 1977. "I have to admit I was pretty scared to go," she says, recalling the chilly, other-planet atmosphere of Brezhnev's Moscow at the time. "But once we were able to get past our awareness of being constantly under observation, we had a fantastic time. The whole experience gave me a lot of confidence. When I started dreaming in Russian I knew I'd arrived."

Today's students say the same. "It's something I won't forget, cheesy as it sounds," says Dennis Kierans, president of the Russian Students Society, who travelled to the Saint Petersburg State University last year. "You get dropped into a culture you've been studying in the abstract and suddenly you come face-to-face with all sorts of things you didn't expect. It takes on a real personality."

The department itself is not without a unique personality, flowing through the classroom to extracurricular events such as Russian Choir and film club. In part, it's a reflection of the intimacy created by the challenging subject matter and the ambitious, inquisitive students it attracts. After all, no one in the department denies that Russian is an extremely hard language to learn. But Dr. Pereira believes that it's passion that really makes the difference.

"As the department expanded over the years, it did so with people who were not only professional academics but were totally devoted to the department, its life and its students," he says. "There's a focus on the students here and on the department's life which is rather unusual and made up for what were always relatively modest resources."

Today's department is young, with several faculty new to Dal in the past few years. But the sense of history still echoes in its halls, from the yearly student award honouring its first chair Yuri Glazov; to the painting by Irina Coffin that hangs permanently in the Russian Studies lounge; to the glass display full of Soviet memorabilia.

"With our newness comes enthusiasm and new ideas, but we're building on a long legacy here," says Dr. Leving. "It's like Russia itself – for all its history, it continues to play an important role on the world stage and will do so into the future. So long as Russia is there, we will need to be prepared to engage with it and all its challenges."



an
ENLIGHTENED
VIEW

B Y
M A R I L Y N
S M U L D E R S

William Douglas George,
< 9th Earl of Dalhousie with His
Dogs Bosto and Yarrow, c.1816.
Private collection.

John Elliott Woolford,
> View of Dalhousie University
Original Building, c. 1818-23.
Special Collections, Dalhousie
University Archives and Special
Collections, Halifax.
Gift of Mrs. J.G. Baird,
1919-20.



The *Dictionary of Canadian Biography* is not kind to George Ramsay, the ninth Earl of Dalhousie. Characterized as “dour” and “boring,” Lord Dalhousie was, according to the less-than-inspiring account, “often slow-moving and pedantic.” He had “a cold, aloof manner with a touch of aristocratic hauteur, and a prickly personality reinforced by a dour Scottish Presbyterianism.”

Ouch. But it's not the impression René Villeneuve has of the colonial administrator who founded Dalhousie

University in 1818 out of a sincere desire to make higher education available to young people of any religious sect or societal class. The associate curator of early Canadian art at the National Gallery of Canada, Mr. Villeneuve has spent almost a decade in Dalhousie's company, researching the profound effect Lord Dalhousie had on Canadian culture as it was being formed in the early 19th century.

“I just have such admiration for him,” says Mr. Villeneuve, who organized the exhibition, Lord Dalhousie: Patron and Collector, on display at Dalhousie Art Gallery

from January 13 to March 7, 2010. “This man came from overseas, from the United Kingdom to represent the crown, and was here for a brief period of time – four years in Halifax and eight years in Quebec City – and yet he accomplished so much.”

Rather than slow-moving and pedantic, Mr. Villeneuve uses descriptors like “passionate,” “energetic,” “a driving force” and “a man of culture” when talking about Lord Dalhousie, born into privilege at Dalhousie Castle in Scotland in 1770.

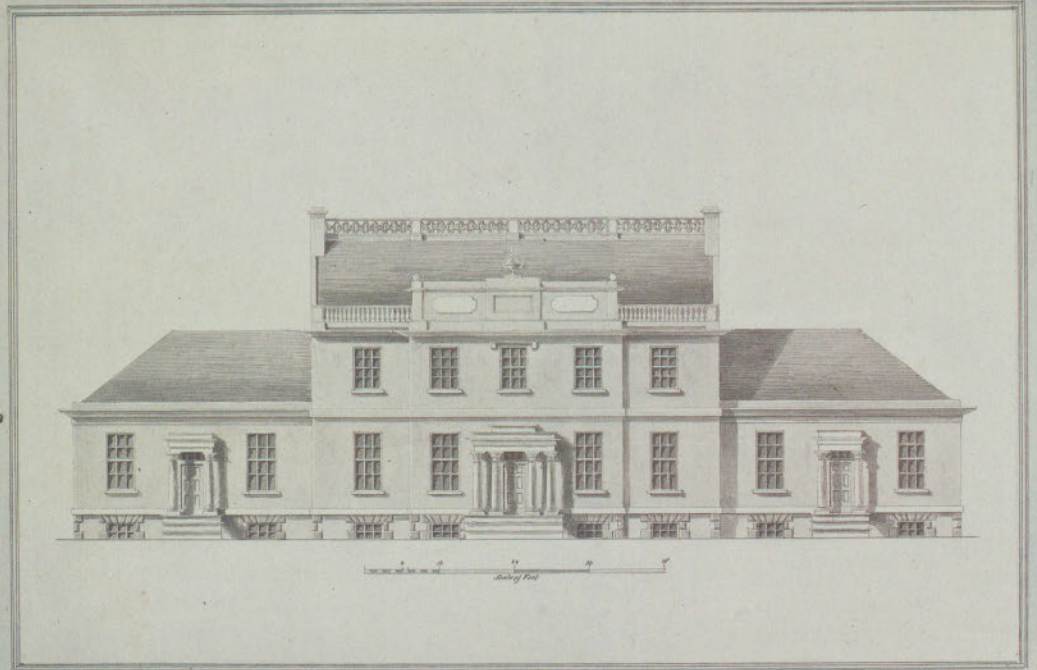
Perhaps the difference of opinion is the result of Mr. Villeneuve looking at Lord Dalhousie through another historical lens – one that’s not so concerned with military skirmishes and politics.

“Nobody really focused on Lord Dalhousie as a patron of art. Before, it was all about politics and maybe he just wasn’t so great at that game,” he says. “But this is my business as the art historian, to find the right question. And with Dalhousie, I discovered a treasure trove. I’m just amazed I could find out so much.”

Richard Scott,

> **Elevation of Dalhousie
College c. 1818.**

Special Collections, Dalhousie
University Archives and Special
Collections, Halifax.
Gift of Mrs. J.G. Baird,
1919-20.



“He grew up in Scotland, a place of learning, during the Enlightenment and he’s really so animated with big ideas. And this is what he brings to this new country.”

On the phone from the National Gallery of Canada in Ottawa, Mr. Villeneuve adds: “I don’t think he was the kind of man to say, ‘Bring me my carriage! Bring me my red sash and medal.’ This is not my sense of him. After all, he was always going about on horseback and wanting to meet people all over the province, to hear about their lives, to see the beauty of this wild place.”

Mr. Villeneuve’s curiosity about Lord Dalhousie was piqued by the arrival of a magnificent silver cup to the National Gallery’s vaults in 1999. Lord Dalhousie had it made in 1827 and presented it to shipyard owner George Taylor in celebration of the launch of a 221-ton brigantine. What was unusual was not so much the cup – which was topped by the head of a unicorn – but the fact that it was made by a local silversmith, Laurent Amiot.

Mr. Villeneuve explains that it was common practice to have such things made overseas, since it was thought local

“THE LAST ACT OF MY ADMINISTRATION OF THE GOV. OF NOVA SCOTIA WAS OF A NATURE SO IMPORTANT THAT TIME ALONE CAN GIVE IT A CHARACTER.”

artists were inferior. “So this was a big surprise for me. This made Lord Dalhousie quite unique ... he really wanted to encourage art in this country.”

Lord Dalhousie: Patron and Collector is rich with many other examples of Lord Dalhousie’s patronage. It includes watercolours, sketches, lithographs, models, architectural drawings, and *objets d’art* that he commissioned when he was Lieutenant Governor of Nova Scotia (1816-1820) and Governor-in-Chief of Upper and Lower Canada (1820-1828).

Excursions and journeys characterized his approach to governing. While he was in Canada, he sponsored a number of artists who accompanied him on his official visits to the four provinces that formed British North America at that time, and who executed his commissions. Among the most prominent were James Pattison Cockburn, Charles Ramus Forrest, James Smillie, John Crawford Young and John Elliott Woolford.

Many of the visual impressions we have of early Halifax are the result of Lord Dalhousie’s diligence. The magnificent, larger-than-life portraits of the kings and queens of England that adorn the Red Room in Province House were a gift of Lord Dalhousie and were likely from his castle in Scotland. Further, the watercolours of Government House, where the earl lived with his wife, Lady Dalhousie, while in Halifax; of Province House, when Hollis Street was a dirt path; and of the mansion at Mount Uniacke, perched at the

edge of wilderness, were all commissioned by Lord Dalhousie and painted by John Elliott Woolford. The artist had a long association with Lord Dalhousie, accompanying him on a military campaign in Egypt (1800-1803) and later joining him in Nova Scotia.

Mr. Woolford’s delicate watercolor of Dalhousie University on the north side of Grand Parade is one of the few existing depictions of the original school building, the site of which is now occupied by Halifax City Hall. But echoes of the villa’s elegant Palladian design – a central two-storey building flanked by two single-storey wings – can still be seen in Halifax today. Resembling the manor house of a country estate, the school became the model “of residential architecture for well-off Haligonians,” writes Mr. Villeneuve in the exhibition publication.

The creation of the university – “its doors open to all” in the words of Lord Dalhousie – was a project near and dear to his heart.

“The last act of my administration of the Gov. of Nova Scotia was of a nature so important that time alone can give it a character,” he said, at a ceremony to lay the cornerstone of the building in 1820.

“I was so moved to read that,” says Mr. Villeneuve of Dalhousie’s dedication speech. “I can imagine him reading off a paper, folding it in two and putting it in his pocket. And just look what he created, one of the oldest and finest institutions of higher learning in Canada.”



WORKING IT.

BY
BILLY
COMEAU

WITHIN A MONTH OF GRADUATING
WHILE EARNING THEIR DEGREE
VOLUNTEERS ROUGHLY 26 PER CENT
TO CONTINUE THEIR EDUCATION
EMPLOYED GRADUATES ARE

20

DALHOUSIE | MAGAZINE

After spending almost a month in Eastern Europe as part of a foreign business program, soon-to-be MBA graduate Tara Croft was concerned her Canadian-based job search could take some time. But the skills the 24-year-old native of Mount Pearl, N.L., acquired through her university career helped her to quickly secure a job in her home province.

Like Ms. Croft, nearly 50 per cent of Dalhousie graduates secured employment within a month of graduating in May 2009. The findings were published in the *Career Services Centre Destination Survey – Spring 2009*. The survey of a large group of recent graduates was conducted in May and June of 2009 and had a 40 per cent response rate.

Employment information on recent graduates is a useful tool but prior to this survey, information was scarce at best. The Career Services Centre wanted to change that, so they enlisted the help of the Office of Institutional

Analysis and Research (OJAR) to administer the survey and analyze results.

The findings show that just shy of 78 per cent worked while earning their degree while about 59 per cent were active volunteers. Graduates earning a master's degree were most likely to be employed.

Equipped with a new MBA degree, Ms. Croft secured employment in only her second interview, with IT

Today's smart companies are working to understand the needs of graduates.

company Plato Consulting Inc. in St. John's, N.L. She believes her volunteer experience with the Career

Services Centre helped her sculpt a resume that played a big part in landing the position of marketing development specialist.

"While studying at Dal, I volunteered as a peer coach with Career Services and was a study skills coach for commerce and management students for Student Success Services," says Ms. Croft. "I learned a lot as a volunteer from the career advisors, things such as resumé and cover

NEARLY 50 PER CENT OF DALHOUSIE GRADUATES SECURED EMPLOYMENT JUST SHY OF 78 PER CENT WORKED ABOUT 59 PER CENT WERE ACTIVE T OF GRADUATES PLANNED JUST OVER 50 PER CENT OF WORKING IN NOVA SCOTIA



Photo: Danny Abriel

Kelly O'Donnell

letter writing, transferable skills and general job searching skills. I even critiqued student resumé's, which further helped with my own skills."

Other survey results show that roughly 26 per cent of graduates planned to continue their education and just over 50 per cent of employed graduates are working in Nova Scotia.

Kelly O'Donnell, one of the first two graduates from Dalhousie's new Bachelor of Dental Hygiene program, graduated last May and is a dental hygienist in Halifax. She'll be returning to Dalhousie for the winter term to do clinical teaching in the dental hygiene diploma program. Hoping to eventually continue her studies and pursue a master's degree, she wants to remain in Nova Scotia.

"I am from Nova Scotia and plan to stay here," says Ms. O'Donnell. "I enjoy living close to my friends and family."

Skills obtained through higher education yield financial benefit as well, according to the survey. Results show that while less than seven per cent of respondents reported earning less than \$20,000 per year, almost 55 per

cent are earning \$50,000 or more. The public sector is the largest employer of Dal grads at about 53 per cent, while 40 per cent found work in the private sector.

"Today's smart companies are working to understand the needs of graduates," says Laura Addicott, director of the Career Services Centre. "With this information they can better understand what students will expect when they graduate."

The survey also revealed that networking tools and events were the most popular means of searching for work. Given the number of graduates who volunteered and developed positive relationships, Ms. Addicott says students who take their careers seriously while still in university reap the rewards.

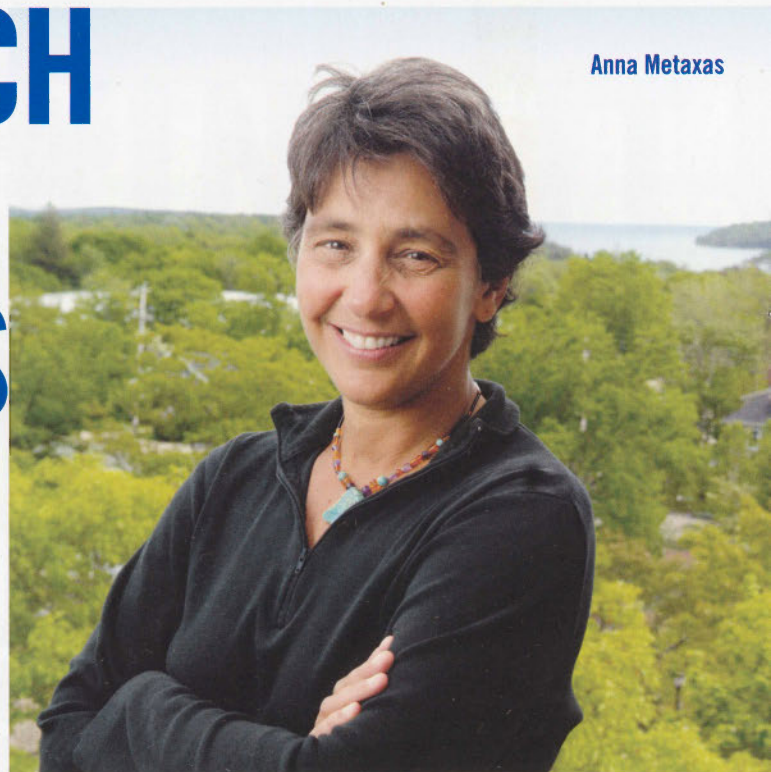
"The results show that there is real value in higher education," says Ms. Addicott. "In addition to the financial value, there are great opportunities for personal and professional development."

For more results, read the survey on the Career Services Centre website (www.dal.ca/csc).

RESEARCH THAT MATTERS

BY JULIA WATT

Anna Metaxas



Meet some researchers who are exploring the health, biodiversity, habitat and characteristics of the world's oceans.

We share these stories from *OutFront* magazine.

Canada's 'healthy ocean' network

Marine invertebrates living on the ocean bottom are organisms with complex life cycles. They spend their adult lives moving, at best, very small distances. Many reproduce by releasing sperm and eggs into the water where fertilization occurs and embryos are produced. As the microscopic larvae develop, they are carried by currents and eventually (if they don't starve, get eaten, or transported away) return to the ocean bottom and attach themselves in the parental habitat.

It's a bit of a biology lesson, but one with great importance, especially when considering the overall health of the world's oceans. Biodiversity is important for the overall ocean balance. Because the marine environment and its components are interconnected, loss of a species can have far-reaching and long-lasting impacts.

Anna Metaxas is one of about 65 researchers from 15 universities (Dalhousie has 10 in all) who make up the Canadian Healthy Ocean Network (CHONe). The network addresses a pressing need for scientific data to ensure proper conservation and sustainable use of Canada's ocean resources.



David VanderZwaag

Photos: Danny Abriel

“We are removing species at a far faster rate than natural selection would. We have a role to protect marine species, not drive them to extinction,” says Dr. Metaxas. “In order to protect them, we must first understand how these organisms maintain their populations.”

Studying invertebrate dispersal and connectivity will provide baseline information against which future changes in the oceans can be monitored and understood. This is critical to the sustainable management of the country’s ocean biodiversity resources.

Preparing for open water access to the Arctic

The ice in the Arctic is melting. Climate change is taking its toll. That’s without dispute. As the icecap shrinks, and open water becomes more prevalent, a debatable issue emerges. How do we deal with the access open water affords – to new marine species, to shorter shipping routes, to oil exploration, to scientific research?

David VanderZwaag, Canada Research Chair in Ocean Law and Governance, has been studying the law of the sea for many years and advising policy-makers internationally for the past decade. He thinks the inevitable change in Arctic waters provides an opportunity to “get governance right.”

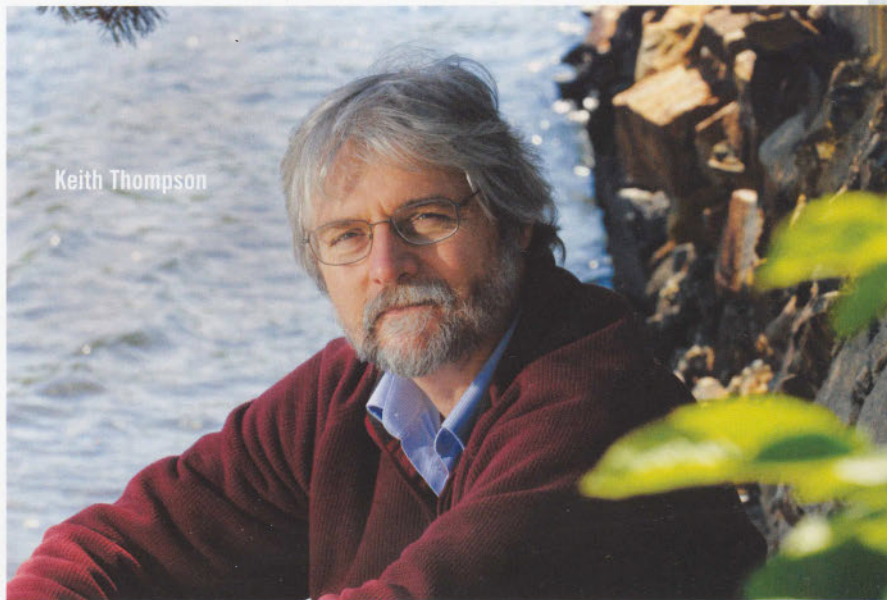
“One of the greatest looming challenges surrounds the future management of high seas in the Arctic beyond national jurisdiction,” muses Dr. VanderZwaag. “Do countries wish to eventually commercialize the doughnut hole or to protect it in a largely pristine state?”

His recent co-authored national report for Canada on ecosystem-based management in the Arctic, published by the Norwegian Polar Institute, shines new light on the limited nature of existing bilateral and regional agreements. “Canada has to move from a security fixation towards a leadership vision ensuring vibrant northern communities and healthy ecosystems.”

Stormy forecasts

Storm surge can be the most devastating part of a hurricane. Just ask residents of New Orleans who on August 29, 2005, witnessed 80 per cent of their city become submerged after hurricane Katrina caused 53 levee breaches. The storm surge also devastated the coasts of Mississippi and Alabama, making Katrina the most destructive and costly natural disaster in the history of the United States.

Defined, storm surge is the difference between the observed water level and the predicted level of the



Keith Thompson



Daniel Ruzzante

astronomical tides. Keith Thompson's interest revolves around understanding the dynamics that control storm surges and currents along the eastern seaboard of Atlantic Canada. Developing mathematical models that predict surge and locations where the flooding will occur is an important part of his research as Canada Research Chair in Marine Prediction and Environmental Statistics.

"My team works closely with Environment Canada, National Defence and the Department of Fisheries and Oceans on issuing warnings about floods or ocean storms that may affect sea travel or search and rescue operations," says Dr. Thompson.

His longer-term goal is to bridge the gap between weather forecasting and ocean forecasting, since they are intricately linked. And there is indication that this gap could be bridged in the near future. With more quality data available from satellites, Argo floats and enhanced statistical techniques, it will be easier to make accurate, longer-term predictions.

"This is an exciting time for oceanographers. The data streams are more robust than ever before. There is great potential for developing models that predict further and more accurately."

Protecting biodiversity in fish populations

Daniel Ruzzante, Canada Research Chair in Marine Conservation Genetics, is using DNA to investigate current and past patterns of changing fish populations.

"We look at environmental influences such as currents, salinity and temperature versus random neutral

genetic processes where the population simply evolves over time without the influence of natural selection," says Dr. Ruzzante. "By studying the diversity patterns, and what factors affect these patterns, we can better understand the dynamics of fish populations."

When dealing with commercialized migratory marine species, an accurate estimation of the catch's genetic composition can help prevent overexploitation of less productive population components. This also means that conservation strategies can be adapted for a specific area, making it more effective than the "one size fits all" model.

"We are laying the groundwork for a sophisticated type of conservation management that doesn't treat an area as one with a homogenous population," says Dr. Ruzzante. "This is an important step in protecting the biodiversity of the fish populations worldwide."

Heeding our past

A pattern of overuse followed by a concerted effort to recover depleted populations was what Heike Lotze found when studying the human effect on marine mammals, fish, birds, plants and invertebrates over the past centuries.

"The drastic impact came with European colonization and market expansion, especially in the 19th century," says Dr. Lotze, Canada Research Chair in Marine Renewable Resources. "The fisheries, fur and feather trades were commercialized and mammals such as porpoises and whales were used for fuel, food and fashion. Birds were valued for their feathers,



Heike Lotze



Lucia Fanning

Photos: Darryl Abriel

meat and eggs. The result was a drastic reduction in populations and in some cases extinction.”

With the introduction of protection acts, the first for migratory birds in 1918, followed by concerted efforts to protect the great whales and other marine mammals, many species have come back. But the same hasn't yet happened for many fish and invertebrates. “We are just beginning to close some areas for fishing to allow fish stocks to recover. For lobster, 100 years ago, eight-pound lobsters would be pulled from traps. Today, these large lobsters are protected by size limits in the fishery to allow the population to rebuild.”

It's not just hunting or fishing that threaten species – human sewage, polluted discharges and habitat loss severely affect sea life. Even the ocean plants have changed. Increases in toxic algal blooms and invasive species are widespread. “When you evoke changes to the bottom of the food chain, it's felt at every level of the food web and so far we don't know much about the wider consequences.”

Dr. Lotze knows that humans have had a significant impact on the world's oceans. But she also knows that our past provides very powerful lessons. “If we take heed, we can recover and maintain these important ecosystems so that our oceans remain productive and diverse for the future.”

Unpredictable decisions

The world's oceans are vitally important to our very existence. Therefore, decision making about their use and protection is a tremendous responsibility, one that

should be supported by social, economic and research perspectives. But that is not usually the case.

This perplexes Lucia Fanning, director of Dalhousie's Marine Affairs Program, whose research focuses on improving predictability in marine policy decision making. She has found that some decisions have been made not because they were guided by good information, but because of extenuating circumstances that influenced the decision-making process. She calls this the “twister factor” because of its unpredictable nature and this, she believes, is a dangerous way to conduct business.

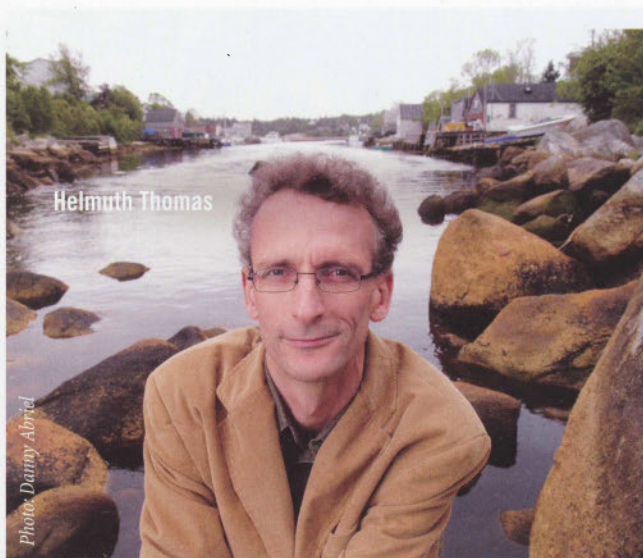
“When policy is established based on political clout or interest group pressures, it's not necessarily the right one and most often there is no accountability attached,” says Dr. Fanning. “Often this means that there is an incredible waste of objective scientifically defensible data that never got interpreted into useable knowledge that could more effectively drive the decision-making process.”

Dr. Fanning is developing a robust decision-making model that will address those unpredictable “twister factors.”

Focusing on the coastal water 'sandwich'

With an eye to the seven gigatons of carbon released every year, Helmuth Thomas is working to help find a complex answer for a seemingly simple question: “Where does all that carbon go?”

Since about half remains in the atmosphere as carbon dioxide, the rest should be absorbed by the oceans and the land. But research shows that some carbon, about two gigatons, is unaccounted for. Dr. Thomas, Canada Research



Helmut Thomas

Photo: Danny Abriel



Mladen Nedimović

Photo: Nick Pearce

Chair in Marine Biogeochemistry, is working to better understand where it goes. He is first focusing on coastal oceans, under-researched areas that Dr. Thomas feels have great importance.

“The coastal waters are sandwiched between land and the open ocean, making them the passageway for raw sewage, fertilizer run-off and other human-made pollutants as they flow into deeper water,” explains Dr. Thomas. “What happens along this pathway is very important.”

His work looks at coastal carbon cycles, key factors in climate change processes. By quantifying and studying carbon flows from land to ocean in eastern Canada and northwestern Europe, Dr. Thomas’ research will help improve knowledge of the marine world, and increase the ability to predict changes in the carbon cycle based on environmental factors.

Listening in on the ocean crust

A detailed benchmark of the oceanic crust’s generation and make-up will be the result of Mladen Nedimović’s ambitious data collection voyage. It will take at least three years to process and interpret the massive amount of data but it will be worth the wait. The information is of great importance as it provides the most detailed insight yet into the Earth’s oceanic crust, the part of Earth’s surface that resides underneath deep ocean.

“Oceanic crust has a huge presence on the Earth’s surface, double the amount of the continental crust (land), but its location makes it challenging and expensive to

study,” says Dr. Nedimović, Canada Research Chair in Geophysics and Petroleum Exploration. “The crustal formation process is very complex and there is still much we don’t know about it.”

Dr. Nedimović and his colleagues collected data that will image in detail some 10,000 km³ of the East Pacific Rise (southwest of Mexico), a fast spreading ridge. They used thousands of listening devices that captured seismic energy released every 50 metres along several thousand kilometres of ship track. The seismic equipment is used to construct an image of the subsurface.

“There are competing hypotheses about how the new thin but dense oceanic crust is formed. It may be formed by one type of molten rock (magma) found in a single melt lens centred on the ridge axis or it could be the result of several types of melts and magma lenses found at or near the ridge axis,” says Dr. Nedimović.

The formed images will be so detailed that they will also provide insight into the relationship between the location of the magma lenses and surface phenomena such as volcanism, faulting, hydrothermal venting and the unique biological communities that thrive around these vents.

“Just as it may help to answer questions, it will undoubtedly generate even more questions. That’s the beauty of basic science research.”

Dr. Nedimović is co-principal investigator on this \$20-million research project funded by the United States National Science Foundation.

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*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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A fantastic fall

Reunion weekend,
the Dalhousie Annual Dinner
and fall convocation bring
alumni together

Call for nominations 2010 Alumni Association Awards

Help us celebrate by nominating a fellow grad for one of our 2010 awards.

For further information, phone
Shawna Burgess at 902.494.6051
or 1.800.565.9969
email: shawna.burgess@dal.ca

Deadline for nominations is March 10, 2010.

28

DALHOUSIE MAGAZINE

Rockin' Reunion 2009

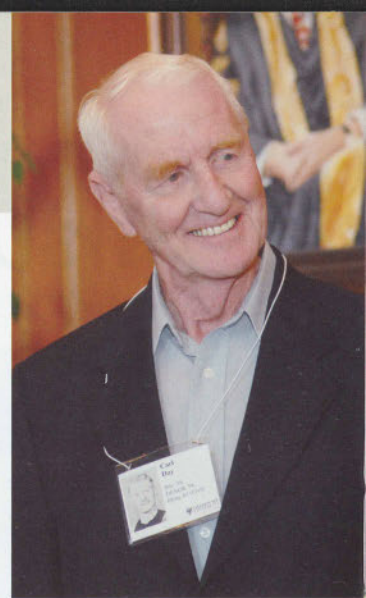
Good food, good times, campus tours and even rock 'n' roll were on the agenda when Reunion 2009 kicked off in October. Reunion attendees, many of whom graduated more than 40 years ago, gathered to catch up with friends and classmates and check out the campus of today.

Reunion classes were among the guests at "Rockin' Relevance," the 2009 Dalhousie Annual Dinner.

More than 500 Dalhousie alumni and friends joined together on Oct. 8, 2009, at the Cunard Centre in Halifax to celebrate the university's success over the past year. Guest speaker Jacqueline Warwick, musicologist and professor in the Department

of Music, got toes tapping with a lively presentation on the cultural impact of '50s rock 'n' roll. A number of outstanding Dalhousians were honoured at the 2009 Annual Dinner, including Alumni Association Award recipients who were recognized for their contributions to Dalhousie and the community. The 2009 DAA awards were presented as follows:

- A. Gordon Archibald Award** – Dr. David Precious (DDS'69, MSc'72);
- Alumni Achievement Award** – Dr. Nuala Kenny (MD'72);
- Christopher J. Coulter Young Alumnus Award** – Rose Cousins (BSck'97);
- Award for Excellence in Teaching** – Dr. Tracy Taylor-Helmick (BA'91, MSc'94, PhD'97)



Grads of '59 celebrate at Reunion 2009

Save the date: Reunion 2010

October 21-22 – A special invitation goes out to anniversary classes (Tech, TUNS and Dal) of **1970, 1965, 1960, 1955, 1950, 1945** and earlier. We especially would like to welcome the **Class of 1985** to celebrate their silver anniversary.

Our newest alumni take centre stage

One of the most familiar faces around campus now holds an honorary degree.

Senator James Cowan's long association with Dalhousie includes a remarkable 36 years on the university's Board of Governors, six of those years as chair.

Senator Cowan, a partner at Stewart McKelvey, has served as president of the provincial Liberal Association, was a candidate for the provincial party leadership, and was campaign chair, both provincially and federally.

He now serves as the Leader of the Opposition in the Senate.

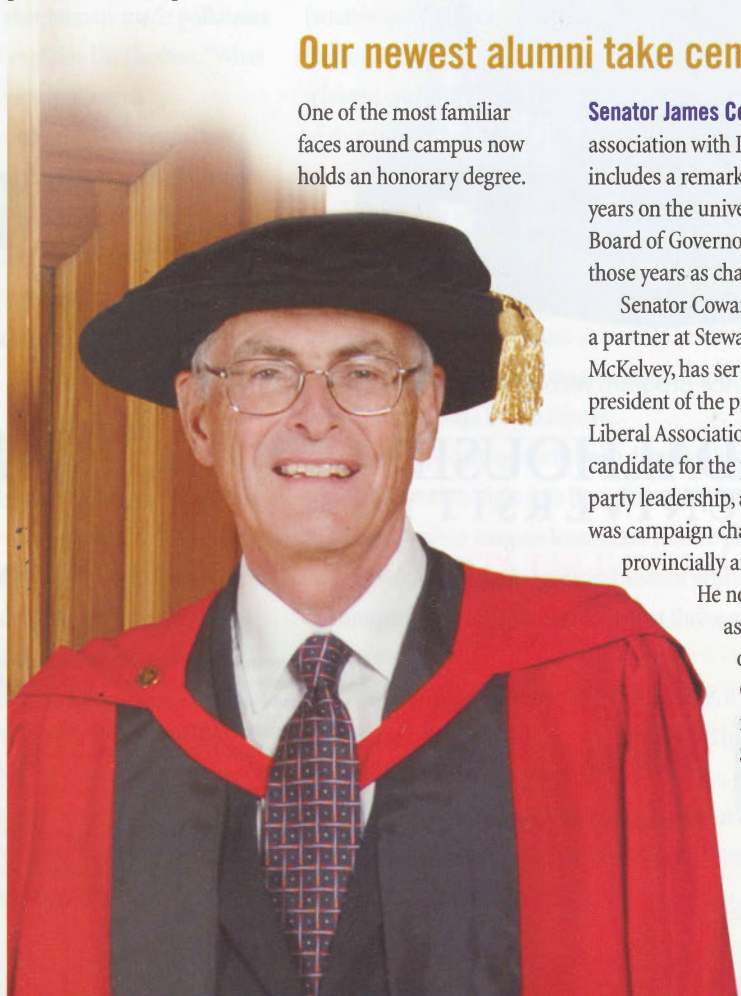


Photo: Danny Abriel



Photo: Danny Abriel

Want to organize a reunion get-together with your floormates or department? The reunion team would like to help you get in touch: please call Shawna Burgess at 1-800-565-9969, 902-494-6051 or email shawna.burgess@dal.ca.

Bernhard Gueller has brought music to our ears and delighted audiences as music director for Symphony Nova Scotia, which performs regularly at the Dalhousie Arts Centre. This time, the maestro took centre stage at the Cohn for a different reason as he was awarded an honorary degree for his inspiring leadership of the symphony and for the connection he makes with audiences.

We seem to like our icons to be on a first name basis, tacitly recognizing their impact on our everyday life. In the case of one honorary degree recipient who has served in public life over three decades, Alexa will suffice.

A pioneer in Canadian politics, **Alexa McDonough**

Coming up: Montreal, New York, London (U.K.), Sarasota, Bahamas and Bermuda

For more information about these or other alumni events, visit www.dal.ca/alumni/events or contact us at alumni.events@dal.ca or 1.800.565.9969.

was chosen as leader of the Nova Scotia New Democratic Party in 1980, becoming the first woman in Canada to lead a recognized political party. During 14 years as leader, she served as critic in every area of public policy and on numerous standing and legislative committees, helping build the party into a vibrant political force.

She was elected to lead the federal NDP in 1994, continuing at the helm until 2003. She continued to serve as the Member of Parliament for the riding of Halifax until last year when she retired from electoral politics.

These honorary degree recipients joined Dalhousie's other 874 new graduates during fall convocation ceremonies.

How many time zones was that?

Throughout the fall of 2009, hundreds of alumni and friends reconnected at events across the country, into the United States and in the United Kingdom.

In mid-November, alumni living in the **Los Angeles** area and other parts of California enjoyed a wonderful get-together as guests of the Consul General of Canada, Dr. David and Mrs. Barbara Fransen in partnership with Dalhousie Vice-President, Research, Martha Crago. Guests were treated to a fascinating report by researcher Sara Iverson on new discoveries concerning the survival of northern mammals.

The end of November brought the ninth annual alumni night in **London, England**. This event, for all Canadian university and college alumni, was hosted at Canada House thanks to Network Canada.

In December, **Toronto** alumni got together at Grace O'Malley's to toast Dalhousie at a pub night, followed by the popular annual **Ottawa** holiday alumni gathering, which was hosted by former Dalhousie football player, Gord Hunter (BA '67) at the National Arts Centre.

Photos, from top:
Ottawa
London, U.K.
Toronto Pub Night
Los Angeles

View more pictures online at www.dal.ca/alumni/events/photos.

Do we have your email address?

For many events, we send electronic invitations, and we don't want you to miss out! To update your information, visit www.dal.ca/alumni/update or email alumni.records@dal.ca.



Your Dalhousie Alumni Association

The Dalhousie Alumni Association is 100,000 strong and ready to roar!

The association's board is encouraging alumni across

Alumni can become involved by participating in student recruitment, providing support at athletic events, hiring co-op students and serving on committees. The Dalhousie Alumni Association has a long history dating back to 1871. Today, 17 alumni sit on the board, representing various years and programs. Alix Dostal (BA'98) serves as vice-president - communications and outreach.

Ms. Dostal says the board is dedicated to building relationships between Dalhousie and alumni.

Realizing this goal involves advising the university on alumni matters, increasing alumni engagement and fostering a sense of community among alumni in Canada and internationally.

Two priorities for the board, which works closely with Dalhousie's Office of Alumni Relations, are improving communications and outreach, and developing

the country and throughout the world to "wake the tiger within" and play a part in alumni activities.

There are many who have answered the call already. Alumni association president Nancy Barkhouse (BA'72) cites a survey indicating that there are hundreds of Dalhousie alumni interested in volunteering.

2009-2010 DAA Board of Directors

Nancy Barkhouse (BA'72), N.S., *president of Alumni Board*

Susan Zed Barry (BSc'79, DDS'83), N.B.

Andrew Bennett (BA'95), Ont., *Board of Governors representative*

Heather Bown (BEDS'00, MARFP'02), N.S.

Tammie Deubry (BCom'02, MA'05), N.S.

Alexandra (Alix) Dostal (BA'98), Ont.

W. Marc Douglas (BA'06), B.C.

Andrew Fraser (LLB'91), N.S.

Bonita Hansra (MBA'05), Ont.

Donalda MacBeath (LLB'79), Alta.

Nancy MacCready-Williams (LLB'89), N.S., *Board of Governors representative*

Gayle Murdoch (BCom'04, MBA'06), Ont.

Paul Pothier (PEng, BENG'86), N.S.

Robert Ripley (MED'94), N.S.

James Stuewe (BMGT'05, MPA'09), N.S.

Jim Wilson (MBA'87), N.S., *vice-president of Alumni Board*

Shaunda Wood (BScHE'91), N.B.

a special focus on new alumni.

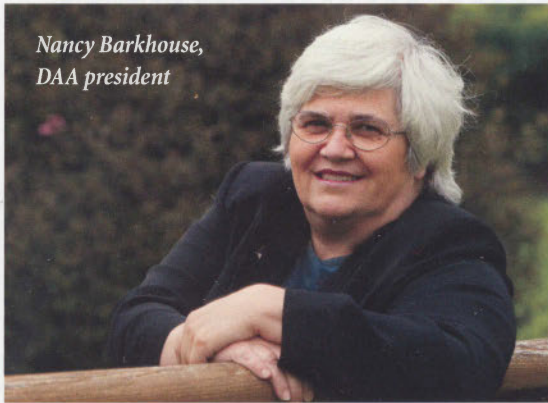
"I think it's really important for alumni and even current students to know that our board is there to serve them and to help as much as we can to represent their interests," Ms. Dostal says.

Mrs. Barkhouse says an active alumni association also sends an important message to prospective students. "That alumni are willing to come out and share their experience five, 10 or 30 years later shows that their Dalhousie education has obviously stood the test of time."

Mrs. Barkhouse and Ms. Dostal enjoy staying connected to the university through their alumni board

service. For Mrs. Barkhouse, a retired teacher, her tie with Dalhousie is a family affair – her husband and three sons are all alumni. When Ms. Dostal, a senior project leader with Department of Finance Canada in Ottawa, returns to Halifax she enjoys coming to campus, seeing the latest developments and recalling her fond memories.

If you wish to become involved or have suggestions on how to engage the alumni community, please get in touch by email at president@alumni.dal.ca or by phone at 902.494.8801 (toll free: 1.800.565.9969). You can visit us on the web at <http://alumniandfriends.dal.ca/keepintouch>.
Marie Weeren



Nancy Barkhouse,
DAA president

Photo: Nick Pearce

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We're on facebook!



Become a fan

Become a fan of **Dalhousie University Alumni and Friends** on facebook. You can write on the wall, view photos, follow alumni events around the world and connect with fellow alumni by seeing who else is a member.

Classnotes

1950s

1951

Cam MacDonald, MDCM, recently published a book, *The Island Doctor: How to deliver 57 babies, tell time by the tides and get paid in lobster*, in which he looks back fondly at his first five years of medical practice on a remote island in the Bay of Fundy. Published by Princess O'Toole Press, the book is being heralded as a critical success, with Shelagh Rogers of CBC Radio calling the collection of 15 short stories "a sweet, unexpected delight reminiscent of James Herriot." The book is now available in soft cover at Chapters and Chapters.ca.

1970s

1972

Dr. Thomas (Thom) McKenzie, MSc, was inducted into the Hall of Fame, College of Education and Human Ecology, the Ohio State University on Nov. 6, 2009. He recently returned from a five-city speaking tour in Australia and the WILD World Congress in Merida, Mexico. Thom is professor emeritus with the School of Exercise and Nutritional Sciences, San Diego State University.

Mark Reynolds, BSc (Pharm), owner of Reynolds PharmaChoice, Liverpool, N.S., is a 2009 recipient of the Better Business Bureau, Maritime Business Ethics Award. Moving to Liverpool over 32 years ago, Mark began with a small independent pharmacy, which he has expanded to a 15,000 square foot enterprise. Mark's emphasis is on building a strong customer base focused on relationship marketing. He is the only pharmacist to receive this award in the history of the Better Business Bureau. Mark can be reached at cgpoobah@jmreynoldsparmacy.ca

Manju Kapur, MA (English), has a new book out. *The Immigrant*, published by Faber and Faber (London), has lots of Dalhousie references, with part of the action taking place in the library school.

1976

Alan McHughen, BSc (Hons), has had a good 2009, being named to *Who's Who in America* and also elected a Fellow of the American Association for the Advancement of Science, the same group that publishes *Science*. He is now a professor at the University of California in Riverside as a specialist in biotechnology and

molecular genetics. Old friends from Dal may remember Alan as author of the weekly *Lunch Bucket* column in the *Gazette*, although he also served on council and on several university and biology department committees. Friends can reach him at alanmc@ucr.edu

Robert Orser, BSc (Pharm), has recently become a Shoppers Drug Mart owner/associate in Ottawa. He is also delighted to report that he is a proud grandfather of twin girls from his daughter, who is also a twin. Bob can be reached at rorser54@yahoo.com

Louis St. Laurent | John Diefenbaker | Pierre Trudeau

They each deserved one.



**DALHOUSIE
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Inspiring Minds

DALHOUSIE UNIVERSITY SPORT HALL of FAME

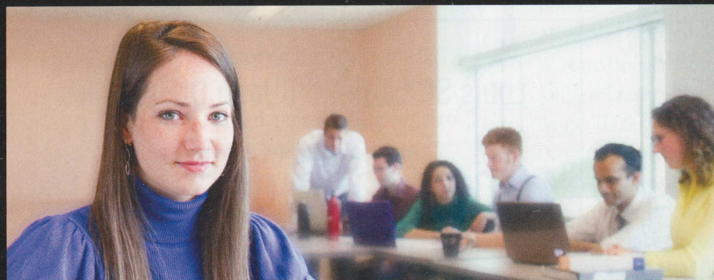
12 athletes, 4 builders and 4 teams
have been inducted to the
Dalhousie University Sport Hall
of Fame - could you be next?

Nominations for the 2010 induction are
due on May 31 - forms are available online
at www.athletics.dal.ca/halloffame

Peter Corkum
Barb (Clancy) Drover
Jean Gardner-Grant
Scott Henderson
Margaret (Muir) Langley
Andrew Mackay
Susan Mason MacLeod
Karin Maessen
Richard Munro
Lucy Smith
William Stanish
Ted Wickwire
Nigel Kemp
Tom Lynch
Lois MacGregor
Alan Yarr
1976 Field Hockey Team
1954 Football Team
1982 Women's Volleyball Team
1978-79 Men's Hockey Team



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1978

Peter Richardson-Bryson, MA (Classics), LLB'81, was named to the Nova Scotia Supreme Court. The ceremony took place on Oct. 2, 2009. Peter was a partner with McInnes Cooper in Halifax. He presides in Halifax, replacing Justice Duncan R. Beveridge who was appointed to the Nova Scotia Court of Appeal in May of this year. Peter's main area of practice was civil litigation and included corporate commercial, securities, estates, trusts and property, special remedies, professional liability and shareholder rights law.

1980s

1982

Richard Bennett, BME, has been the band teacher at Middleton High School in Middleton, N.S. since 1982. Over the years, he has mentored and influenced thousands of students, some of whom have initiated and joined the Facebook group, "Mr. Bennett is the Best Music Teacher Ever!" His school is going through extensive renovations and he will be receiving the band room of his dreams after years of teaching in a cramped and musty space. Friends and classmates will no doubt be thrilled to hear of Richard's success as an advocate for music education.

William Crosbie, LLB, has been appointed Canada's ambassador to Afghanistan, effective August, 2009. As the highest-ranking Canadian in one of the world's most volatile areas, Bill will succeed Ron Hoffmann to become Canada's fifth head of mission in Kabul since Canada re-established diplomatic relations with Afghanistan in 2002. Bill has held a number of senior management positions within government. Most recently, he was assistant deputy minister for the Consular Services and Emergency Management Branch at Foreign Affairs and International Trade Canada.

1987

James Kenney, LLB, recently published a book entitled, *Canadian Victims of Crime: Critical Insights*. It is published by CSP/Women's Press (Toronto).

Douglas Lochhead, LL.D, has a new volume of poetry out, *Looking into Trees*, published by Sybertooth (www.sybertooth.ca). It is illustrated with paintings by the poet's brother, the late Kenneth Lochhead, who was one of the Regina Five painters and a recipient of both the Governor-General's Award and the Order of Canada. A Fellow of the Royal Society of Canada, Douglas is the recipient of many honours, including the Alden Nowlan Award and the Carlo Betocchi Prize.

1988

Phil Jenkins, LLB, has been appointed vice-president of RBC Dominion Securities. Prior to his appointment, he served as an investment advisor, also with RBC Dominion Securities.

1990s

1992

Samantha Phillips, BSc, BEng'95, has been working in Copenhagen for the last four years as a petroleum engineer for Maersk Oil and Gas and is loving every minute of it. She originally

moved to Denmark in order to pursue her second "career" as a pro-elite cyclist, but a serious biking accident ended her ambitions as a World Cup cyclist. She now happily races on the weekends and finds oil on the weekdays. Samantha says she has nothing but happy memories of her six years at Dalhousie and would like to stay in touch with friends and colleagues.

1993

Zihguo Gao, JSD, is putting his Dalhousie doctorate in the science of the law to good use as a judge on the International Tribunal for the

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Graduate Studies

Law of the Sea. Based in Beijing, he is also the director of the legal arm of the China Institute of Marine Affairs (CIMA). CIMA is the major federal government organization for marine issues.

1995

LeeAnne (Fullerton) Sullivan, BSc (Pharm) and her husband, Philip, wish to announce the safe arrival of their second child, Kiefer Brady, born March 4, 2009. Proud big brother is Liam, age four. The Sullivan family resides in Summerside, P.E.I.

1996

Shawn Turner, BSc, and **Marni Tuttle**, BSc, BA, welcomed their third daughter, Tess Margaret, born June 29, 2009. Enjoying their new sister are Ada (five years) and Jane (two years). As if she didn't have enough to do, Marni is taking her parental leave from her position as Associate Director Advancement Services at Dalhousie to study for a Masters in Electronic Commerce. Shawn has recently joined NewPace Technology Development, a startup software development firm in Bedford established by fellow Dalhousie graduates.

1997

Karen Hood-Deschon, BRec, and her husband Giles are pleased to announce the arrival of Lucy,

who was born on April 22, 2009, a little sister for three-year-old Henry. The family has just moved to Victoria, B.C. for a great adventure and also to be close to grandparents. Karen is still at karenhood@hotmail.com

1999

Level Chan, BA, LLB'02, and **Melissa Cameron**, BRec'96, were married on Oct. 3, 2009 in a joyous ceremony held in Dal's historic University Hall. Level, a Dalhousie Alumni Association past president, has also served on the Dalhousie Board of Governors and the

Dalhousie Student Union. Level and Melissa both practice law in Halifax: Level is an associate at Stewart McKelvey and Melissa is a lawyer with Justice Canada. Friends can contact them at melandlevel@ns.sympatico.ca

2000s

2000

Allison (Tooton) Himmelman, BA, and her husband Stephen, are pleased to announce the birth of their first child – a beautiful baby girl.

Leonard Cohen | Antonine Maillet | Mary Pratt

They each deserved one, too.



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Spotlight

CLOTHES ENCOUNTER

Move over Milan, Paris, New York. For Louanna Murphy, the catwalk that mattered was set up right here in Halifax.

The young designer opened Turbine Showcase 2009, the fashion show featuring the work of Canadian designer Lisa Drader-Murphy. The opportunity was one of the perks for winning Off the Cuff, a competition modeled from TV's *Project Runway* that took place over the summer at Argyle Fine Art gallery.

"What I like to do is create things that are special, will catch attention and are really flattering to the female form," says the 23-year-old native of Kensington, P.E.I.

For her first collection, she took inspiration from the fall splendor of her home province. "I love earthy colours in luxe fabrics like velvet, wool and suede."

Looks sent down the runway included a pair of high-waisted corduroy trousers in a leafy print, a green velvet coat with a flared skirt and a gold sequin jacket paired with a rust-colored, wide-legged jumpsuit.

Just out of the blocks, the 2006 graduate of Dalhousie's costume studies diploma program is already gaining a reputation for her impeccable technical skills. She says that knowledge gave her the edge in the Off the Cuff competition.

"Costume studies is extremely intense because the professors want to give you a great basis on which to build," says Ms. Murphy, who followed up her studies at Dalhousie by taking fashion design at LaSalle College in Montreal and a fine arts degree at NSCAD U. "As much as I hated doing all those (sewing) samples at the time, they really saved me in the end.

"I think you need to go through all that and really nail down the technical skills before you can pull off your own ideas."

Marilyn Smulders

"What I like to do is create things that are special, will catch attention and are really flattering to the female form."



Sisters Louanna (right) and Hilary Murphy



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Clare Anne Himmelman was born Aug. 16, 2009, weighing 7 lbs 5oz. Allison is associate director for Alumni Outreach at Dalhousie University.

Shawn Tracey, BSc, and Kelly Dawson are proud to announce the birth of their daughter Clare Donna Tracey, born on Sept. 3, 2009 weighing 7 lbs 5 oz. Clare came into the world with a magnificent head of dark hair. Shawn recently moved into a new role at Dalhousie as development officer for the Faculty of Science through the Office of External Relations.

2001

Cynthia Lim, BSc, is happily settled in her homeland of Brunei and finding it hard to believe that seven years have passed since she graduated with a degree in psychology. Now happily married and mother to a 16-month-old son, Cynthia hopes to bring her family to Halifax sometime in the near future, and especially to explore the various pathways that she used to take while rushing into lectures.

2002

Mabel Ho, MBA, was appointed to North York General Hospital Foundation Board of Governors in September, 2009. Mabel is Director, BMO Harris Private Banking, with more than 35 years of experience in the financial industry. She is also actively involved in numerous charities including BMO Employee Charitable Foundation, Kids Help Phone and Yee Hong Foundation.

2005

Victoria Sheppard, MES, was recently named 2009 Global Hero by *Verge Magazine*, recognizing her incredible work in establishing a charity that provides scholarships for free, quality education to children in the slums of Nairobi, Kenya. Following graduation from the School for Resource and Environmental Studies at Dal, Victoria won a placement with the United Nations in Nairobi, where she worked on environmental and marine issues and volunteered in a little school in the slums of Mathare. She subsequently established a charity, the Canada-Mathare Education Trust, which now sponsors children with high academic achievement to attend boarding schools in a safe environment.

Byron Richards, MBA, has been working in advertising and marketing for a number of years and has just opened an office in Halifax for a brand-new advertising and marketing agency called Spark. He is happy to report that the agency is growing extremely fast, especially considering the realities of the current recession.

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InMemoriam

- William Harry Jost**, BA'31, LLB'34, Annapolis Royal, N.S., on Sept. 26, 2009
Constance Grace (Smith) Oxley, BA'35, Sydney, N.S., on Oct. 29, 2009
Frances Margaret (Huntley) Laffey, BA'35, Toronto, Ont., on Nov. 7, 2009
Edward Ross MacVicar, BA'37, Riverview, N.B., on Oct. 18, 2009
Harvey Alfred Veniot, LLB'39, Stellarton, N.S., on Oct. 2, 2009
Helen Patricia (Wentworth) Archibald, MSc'41, New Glasgow, N.S., on Aug. 3, 2009
John Kemp Morrison, MD'43, Ottawa, Ont, on June 6, 2009
John Thomas Munro, BEng'43 (NSTC), Pictou Island, N.S., on Sept. 3, 2009
Frances Elizabeth (Keeping) Dyer, MSc'44, Dartmouth, N.S., on Sept. 18, 2009
Frederick Blake Schafheitlin, BEng'44 (NSTC), Oakville, Ont., on Sept. 18, 2009
John Philip MacDonald, MD'45, Sydney, N.S., on Sept. 4, 2009
Flemming Holm, BA'46, MA'47, Kentville, N.S., on Oct. 11, 2009
Michael George Whalley, LLB'49, Sydney, N.S., on Sept. 1, 2009
Mary Jeanette MacKenzie, BA'49, Halifax, N.S., on Oct. 11, 2009

Izaak W. Killam | Muriel Duckworth | Stephen Lewis

Know someone else who deserves an honorary degree? Let us know.

For nomination guidelines, contact the Honorary Degree Committee:
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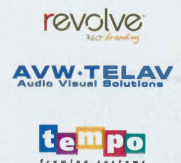
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Spotlight

AN APPETITE FOR BUSINESS

All through high school, Niam Gia Dao waited on customers, bussed tables and washed dishes at his aunt's Chinese restaurant, all the while dreaming of the day when he'd open his own place.

Even having grown up in the restaurant business, he discovered there was a lot to think about as he took Professor Ed Leach's class, New Venture Creation, and drafted a business plan for the restaurant he and his siblings were about to open.

"He just makes you look at things at every angle," says Niam, 26, who graduated from Dalhousie with a Bachelor of Commerce degree in 2006. "And it saved us – there's a lot of time and

money involved – so you need to be prepared."

Niam, his sister Kim Hong Dao and his brother Bang Gia Dao launched Talay Thai ("talay" means ocean) in 2005 and it immediately became a hit with the taste buds of Haligonians. Following on that success, the Daos, originally from Vietnam, opened a second restaurant, Cha Baa, two years later.

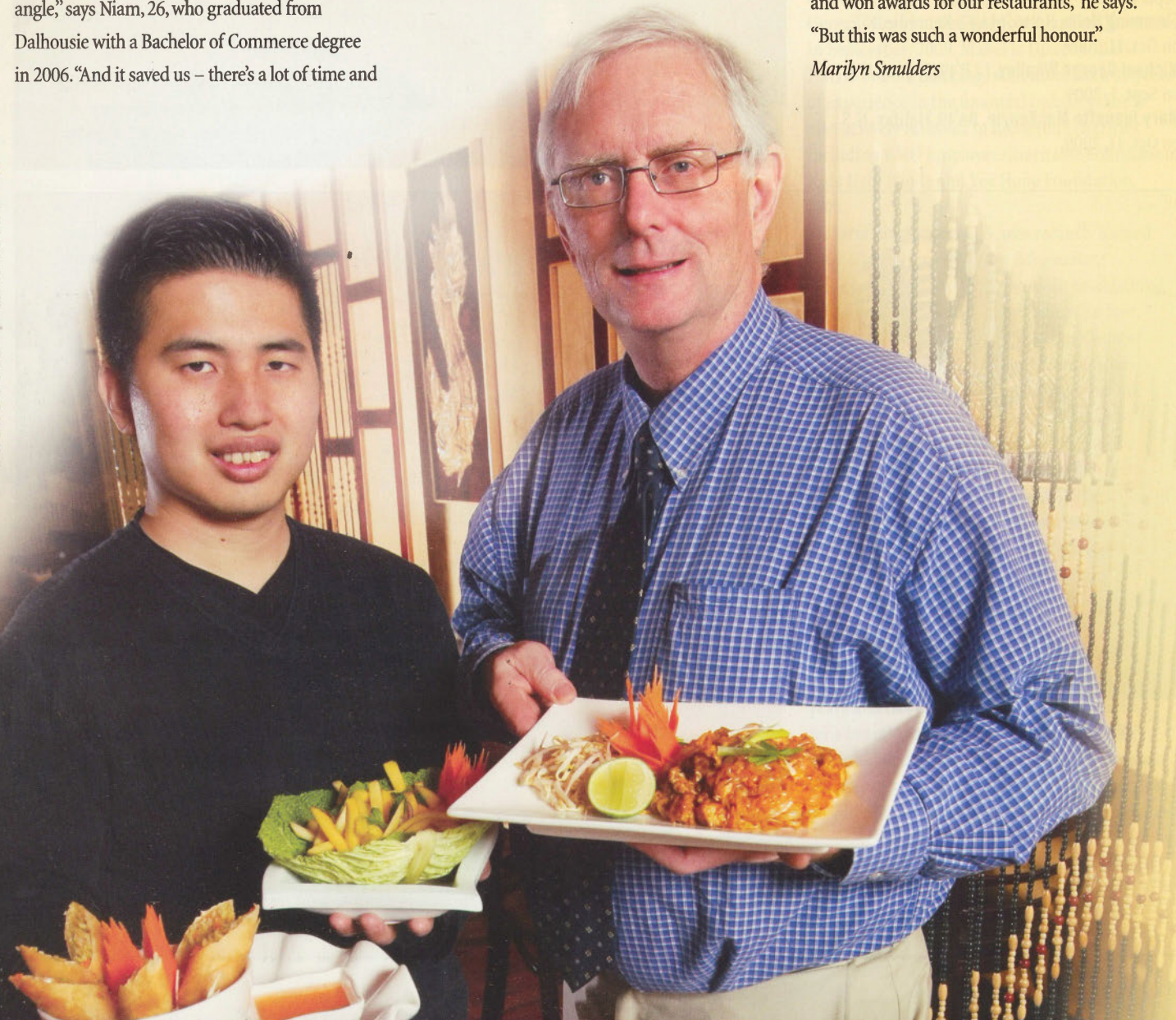
"The most important thing is the food – that's how you're going to stand out," says Niam, who sources fresh, local ingredients for the healthy cuisine the restaurants are known for.

"You want your customers to feel that dining out is worth it and that they'll come again."

In recognition of their entrepreneurship, the trio was recently taken out to dinner themselves. They were feted with other winners of the Business Development Bank of Canada's Young Entrepreneur Awards at a gala held at the Chateau Laurier in Ottawa. The highlight for Niam was an invitation to visit Parliament Hill and posing for a group photograph with Prime Minister Stephen Harper.

"We've done well – we've got great reviews and won awards for our restaurants," he says. "But this was such a wonderful honour."

Marilyn Smulders




George William Battcock, MD'50, St. John's, N.L., on March 26, 2009
Elizabeth Fraser Brown, DEd'50, Halifax, N.S., on Aug. 18, 2009
John Aubrey Graham, BSc'50, DEd'51, Parrsboro, N.S., on Oct. 5, 2009
Harold Dennison Steeves, BEng'51 (NSTC), Lunenburg, N.S., on July 26, 2009
Lowell Archibald Allen, LLB'52, Kingston, Ont., on Sept. 25, 2009
Gretchen Elizabeth (Hewat) McCulloch, BSc'53, New Minas, N.S., on Nov. 7, 2009
John Howard Boyce, BEng'54 (NSTC), Dartmouth, N.S., on Oct. 31, 2009
Sheldon Reuben Cameron, MD'55, Summerside, P.E.I., on July 13, 2009
Robert Stephen Butler, BEng'58 (NSTC), North Saanich, B.C., on July 27, 2009
John Michael Mullins, BEng'59 (NSTC), Corner Brook, N.L., on June 23, 2009
Gordon Stuart Humphreys, BSc'60, Trenton, N.S., on Sept. 17, 2009
Heather MacLeod (MacDonald) Weld, BAHC'61, Mahone Bay, N.S., on Sept. 22, 2009
David John Hammond, DEngr'61, Halifax, N.S., on Oct. 14, 2009
Gordon Palmer Campbell, BSc'61, New Minas, N.S., on Nov. 5, 2009
Marion Bernice Pynn, BA'62, Honolulu, HI, on June 29, 2009
Barrie Marvin Annis, BCom'62, Stittsville, Ont., on Sept. 11, 2009
Edo Nyland, BSc'63, MSc'65, Edmonton, Alta., on July 28, 2009
Sean McShane Higgins, DDS'65, Kanata, Ont., on Sept. 17, 2009

Sharon Ray (Lively) MacDonald, DTSN'65, Dartmouth, N.S., on Oct. 18, 2009
Pauline Anne (Cummiskey) Tupper, BEd'67, Dartmouth, N.S., on Nov. 2, 2009
Ethel (Billard) MacMillan, DPH'67, Halifax, N.S., on Nov. 19, 2009
David Kenneth Bailey, BEng'68 (NSTC), St. John's, N.L., on Oct. 4, 2009
Mariner Anthony Price, MSc'68, MA'70, Fall River, N.S., on Sept. 17, 2009
Susan Marsh Høekstra, BA'69, Powell River, B.C., on July 22, 2009
Marie Gisele Lina (St Jacques) Graham, MA'69, Vancouver, B.C., on Nov. 5, 2009
Linda Irene Sirota, DPH'69, BScN'94, MHSA'97, Waverley, N.S., on Aug. 11, 2009
Robert Glen Rix, BSc'69, DDS'74, Truro, N.S., on Sept. 7, 2009
Roy W Willwerth, BArch'70 (NSTC), Halifax, N.S., on July 29, 2009
John David Wells Maxwell, LLB'70, Balderson, Ont., on Sept. 26, 2009
Loretta Vivian Satherstrom, DPH'71, Regina, Sask., on Feb. 25, 2009
Laurence Dowler Appleford, MD'72, Toronto, Ont., on Sept. 12, 2009
Sylvester Kofi Fofie, DDS'73, Calgary, Alta., on July 18, 2009
Mary Elizabeth MacInnes, LLB'73, North York, Ont., on Aug. 24, 2009
Philip Ralph Staal, MSc'73, Orleans, Ont., on Oct. 11, 2009
Gary Erroll Joseph Pfinder, BSc'73, BEd'74, MAT'91, Dartmouth, N.S., on Aug. 3, 2009
Gregory Clifford Lantz, BCom'75, Mahone Bay, N.S., on Aug. 17, 2009

William T Josenhans, PGM'75, Wildbad, Germany, on Sept. 27, 2009
Mary Margaret Ann (Antonowicz) Woodroffe, BSc'75, Halifax, N.S., on Oct. 30, 2009
Kevin Grant Campbell, BSc'79, Kingston, N.S., on Sept. 16, 2009
Brian Murray Smith, BSc'80, BEng'82 (TUNS), MEng'90, Halifax, N.S., on Oct. 26, 2009
David Raymond Amirault, BSW'81, Halifax, N.S., on Aug. 14, 2009
Richard Negrin, BEDS'85, BArch'86 (TUNS), West Vancouver, B.C., on Sept. 21, 2009
Christine Marie R Dishlin, BScPH'86, Halifax, N.S., on Aug. 20, 2009
Gregory Charles Nearing, LLB'86, Reserve Mines, N.S., on Nov. 15, 2009
Carolyn Barry Bray, BA'87, Windermere, Ont., on March 14, 2009
Patricia A Cantwell, BN'87, St. John's, N.L., on Sept. 6, 2009
Lorraine Gertrude Carroll, BSW'89, Halifax, N.S., on Oct. 14, 2009
John Harley Kellock, BSc'93, Stellarton, N.S., on Nov. 14, 2009
Elaine T Carey, BSc'95, DDS'00, Halifax, N.S., on Sept. 19, 2009
Kenneth Lance Wood, BA'98, Truro, N.S., on Aug. 6, 2009
Barrie Charles Dakin, MBA'99, Oakville, Ont., on Oct. 20, 2009
Thomas William Ludwicki, BSc'05, DEngr'06, Vancouver, B.C., on Oct. 11, 2009
Ayako Takata, MREM'06, Kameoka, Kyoto, Japan, on July 22, 2009

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theBackstory

'MARRIE TIME' REFLECTIONS

NAME Thomas Marrie, Dean of Medicine

HOMETOWN Saint John's, Newfoundland

PROFESSIONAL PASSION All of my professional life I've been studying pneumonia – with a complexity of more than a hundred microorganisms, it has been a major interest of mine. Pneumonia is the lung infection that most of us will die from once we get old. We began to sort out better ways to treat it and look at factors that influence the outcomes for pneumonia.

HOW DID DALHOUSIE INSPIRE YOU? I still remember my teachers with great fondness, very good teachers who were altruistic and who got the standard of care to a place where it was second to none.

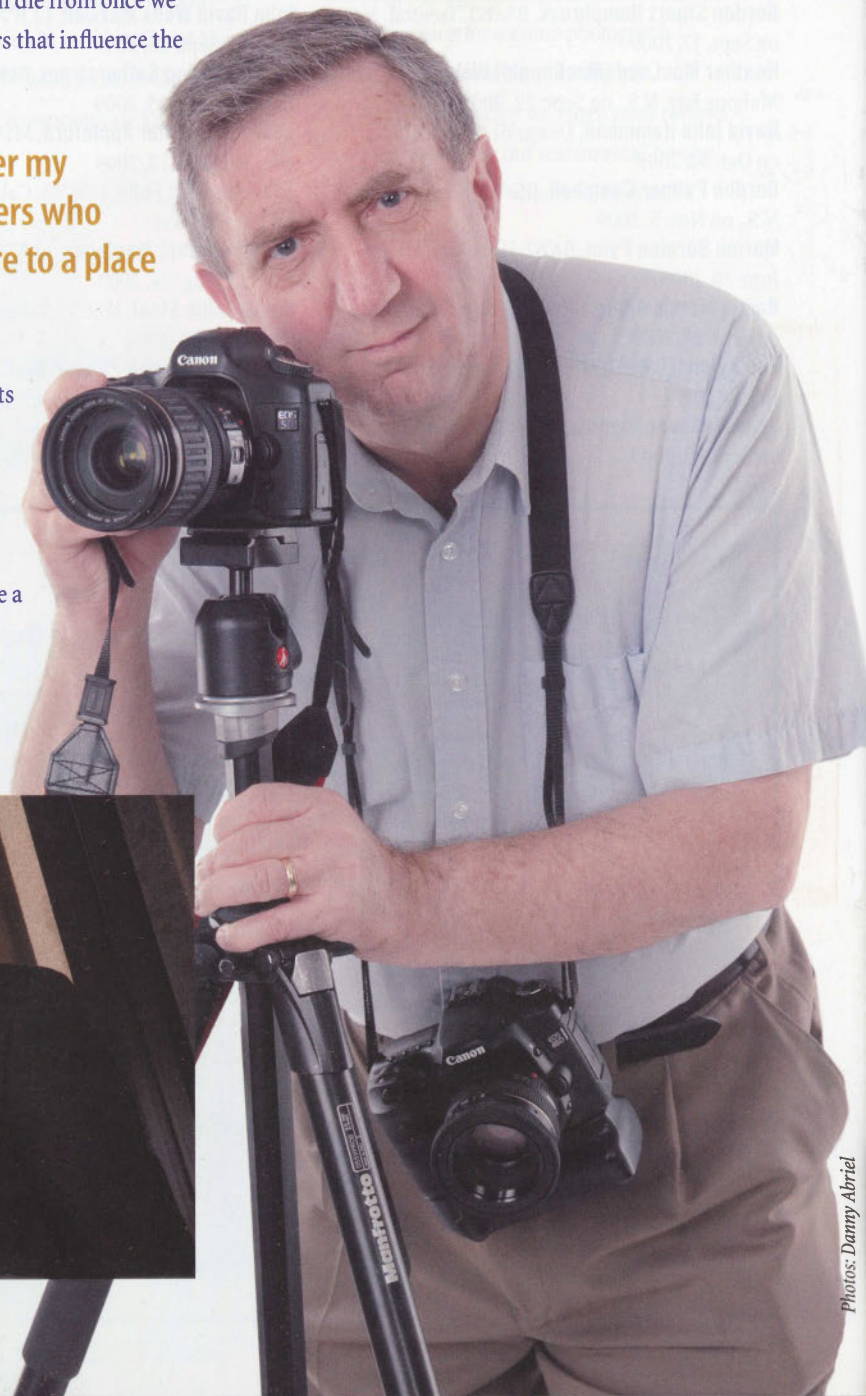
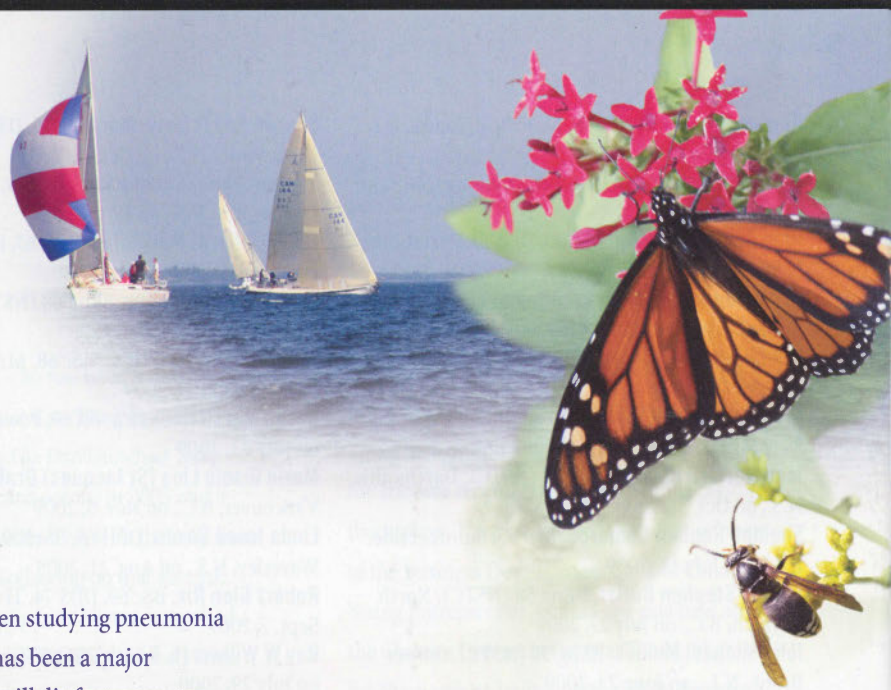
WHAT IS NEXT? I feel so fortunate to be around so many students at this stage of their lives, they have all the right ideals. It is an amazing opportunity and they really want to help and make a difference.

PERSONAL PASSIONS Sailing is ideal in Nova Scotia. I also like a wide range of photography – landscapes, animals and insects.

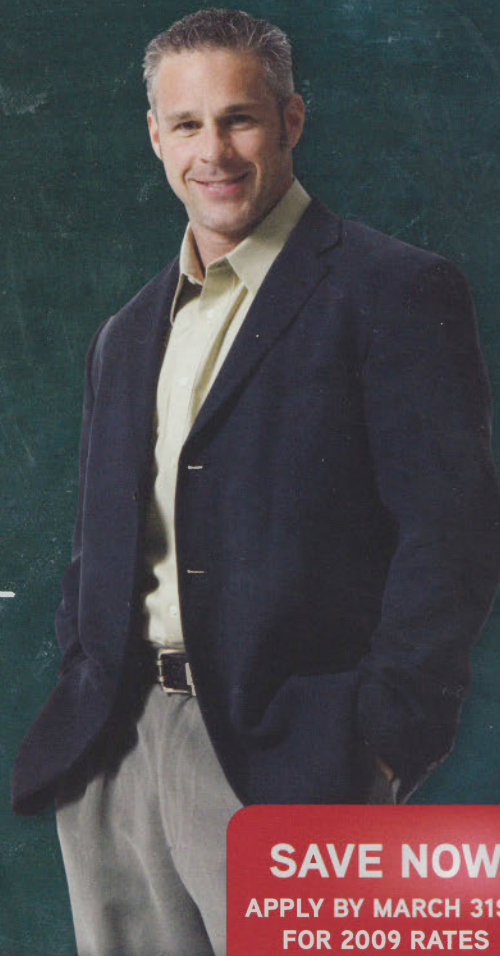
WHAT IS LIFE ABOUT? For me it's simple. I think it is making a difference.



Research: Bruce Bottomley



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