

Dalhousie

M A G A Z I N E

INTRODUCING **PETER
1•HERRNDORF**
live FROM THE
NATIONAL
ARTS CENTRE

TAKING
CYBERBULLYING
TO TASK

LIFE SCIENCES
RESEARCH
INSTITUTE
FOSTERS
INNOVATION

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**"I will always be a Dalhousian.
Dalhousie is in my DNA."**

W. Andrew MacKay,
BA'50, LLB'53, LLM'54, LLD'03
President and Vice-Chancellor, 1981-86

A proud Dalhousian – a meaningful legacy.

Andy MacKay is one of a growing number of Dalhousie alumni who have played a special role in shaping the university and its place in the world. In a very real way, their support defines the Dalhousie experience and affords life-changing opportunities. Andy MacKay's bequest to Dalhousie will allow him to develop a meaningful, personal legacy.

Whatever your passion – be it funding a scholarship for a deserving student or supporting research in an area close to your heart – we can help you realize it.

Planning ahead allows you to direct your gift and support the areas you value.



**DALHOUSIE
UNIVERSITY**

Inspiring Minds

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On our cover

Peter Herrndorf was photographed in Ottawa's National Arts Centre by Trevor Lush.

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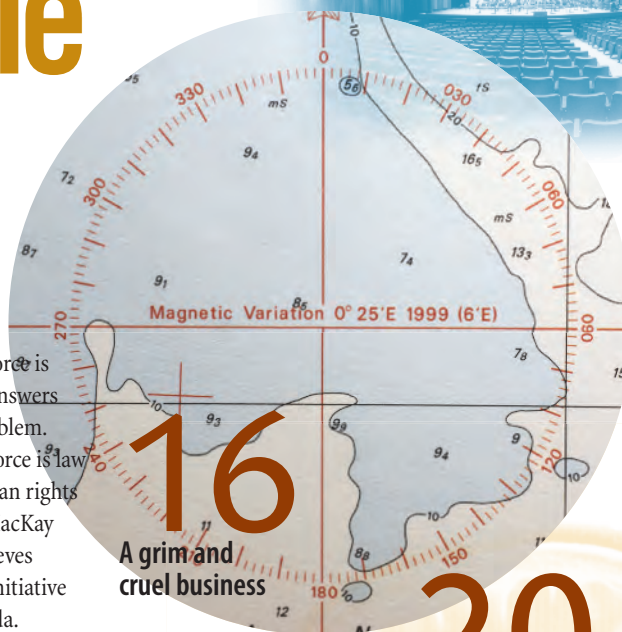
You're not alone

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A one-stop life sciences shop

The Life Sciences Research Institute is unique for Halifax. Through collaboration and discussion, scientists, students and entrepreneurs will be able to move research seamlessly from the lab to the commercial sphere.
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Setting the stage

A passion for the arts created the Dalhousie Arts Centre four decades ago. Ever since, the centre has catalyzed artistic and musical expression on campus and in the community. Peter Herrndorf, visionary CEO of the National Arts Centre, shares his passion for Canadian culture.
by Elaine McCluskey

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 **DALHOUSIE UNIVERSITY**
Inspiring Minds



MORE THAN
17,000
CHOOSE DAL

Welcome to the largest student body in our history

:p Love u Dal!

'First year student from Trinidad and Tobago. Getting accustomed to the weather. The teachers are friendly and helpful. This is the final day of orientation. Thank you for making the start of classes so welcoming.'

Lisa Rambadhan, of Fyzabad, Trinidad, Dalhousie Facebook Comment, Sept. 9, 2011

'Beyond excited to go to Dalhousie again! :) First day back!'

Natasha LaPierre, of Brookside, N.S., Facebook status update on Sept. 6, 2011

The largest student body in the university's history arrives this fall – 17,350 students – so more voices than ever before will liven up the campus. No matter if they come from next door in Brookside, or have travelled thousands of kilometres from Port of Spain, each student will shape the Dalhousie experience to make it their own.

Preliminary enrollment figures are showing a total of 17,350 students registered for 2011-12. International students, particularly from Asia and the Middle East, are up significantly and total 2,115.

Student orientation activities brought a large audience out for visiting reggae band Bedouin Soundclash from Toronto. The band earned the greatest reaction by singing "When the night feels my song, I'll be home."

The proudly Canadian band would have been a hit with cultural visionary Peter Herrndorf. The long-time champion of Canadian culture returns to his alma mater as the speaker for the Dalhousie Alumni Dinner and we're happy to share his perspective with all our readers.

The last word goes to student *Aimee Al-Mumen*, borrowed from her comment on the university's Facebook page on Sept. 8.

'The first day is always on my Birthday :p Love u Dal!'

Have a great year, Aimee.

Amanda



Photo: Danny Abriel

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Dan Conlin is the author of the 2009 book *Pirates of the Atlantic: Robbery, murder and mayhem off the Canadian East Coast*.

Elaine McCluskey is a former journalist and the author of a short story collection and a novel. She is a graduate of Dalhousie University and the University of Western Ontario.



Lisa Roberts (BA'95, MDE'03) first wrote for Dalhousie in the early 1990s as a student. Following a career with CBC Radio, she joins the legion of working-from-home mothers.

Skana Gee is a Halifax-based writer, editor and communications consultant, working in the film and television, non-profit, business and government realms.

In preparing her story, the ramifications of bullying and the need for change came into sharp focus for Marie Weeren, who owns 10th Floor Solutions.



Katie McDonald joins the team after earning her NSCC diploma in public relations. She's enjoying diverse projects, including writing for this issue.

Patricia Brooks Arenburg is an award-winning reporter for *The Chronicle Herald* covering crime, courts and general news. Earlier this year, she edited and produced the multimedia series *Nova Scotia Burning* about the 2010 cross-burning at the home of an interracial couple in Hants County, NS.

DALHOUSIE MAGAZINE

appears three times a year.

Editorial deadline for the next issue is
November 28, 2011.



Carolan McLarney was the keynote speaker for the Class of 2015 at the Induction Ceremony.

Who are you today?

I stand here today as a cautionary tale. In September 1979, I sat at the University of Guelph, filled with feelings of excitement, anticipation and a little bit of fear. I wanted to be an oceanographer ever since I was 11.

Our keynote speaker said, “Look to the person on your right and look to the person on your left ... this time next year, one of you will not be here.” I said to myself, “I feel sorry for them.” But it was me who was academically dismissed – I had partied, slept in, skipped classes, did not take it seriously enough.

Four years of hard work and growing up brought me back to university in 1983. I was given a second chance and I was scared to death that I would squander it again. I had a lot to catch up on and a lot to prove. I have been fortunate enough to stand before you today.

In 45 months we will all hopefully be here during Spring Convocation in 2015. Before we fast-forward too far into the future, let’s talk about today. Who are you today?

You are the creator of a world we cannot even imagine.

You are the generation that was born as the Internet exploded; when the Amazon stopped being a river and turned into a relentless flow of information into our homes.

You belong to the largest

enrolment at Dalhousie in its 193-year history. You come from every corner of Canada and from over 100 countries, including Albania, Denmark and Malaysia. You are our future. You are the creator of a world we cannot even imagine.

The choices you make in your time here will form the person you will be for your remaining six or more decades. You must use your time growing the person you want to be beyond your degree. I would like to suggest that your responsibility as a member of this university community is to move thought forward. It is as simple as that. No matter what your discipline, your program, your major, you are here to move thought forward.

Remember that the cost of your education is equivalent to what an average family lives on in Chile, Hungary and Turkey. So do not waste what has been saved or borrowed to get you here.

See you in class – we are probably covering Chapter 1.



Making census of life on Earth

Scientists have been pondering how many species live on earth for centuries. Now there's a more precise answer than ever before, due to a group of Dalhousie researchers.

A system of formally naming and describing species began with Carl Linnaeus in 1758. Since then, roughly 1.25 million have been described and catalogued into databases. Experts estimated the number of species could range between three and 100 million.

A recent article in *PLoS Biology* estimates 8.7 million species on Earth: 6.5 million on land and 2.2 million in the ocean. Census of Marine Life scientists affiliated with Dalhousie include lead author Camilo Mora and colleagues Derek Tittensor, Sina Adl, Alastair Simpson and Boris Worm.

The number is based on groundbreaking analytical methods that significantly narrow earlier estimates. The scientists identified numerical patterns in the taxonomic classification system. By using numbers from the higher taxonomic groups (domain and kingdom) they were able to predict the numbers appearing in lower groups (species and genus).

An overwhelming number of species have yet to be discovered, described, and catalogued – 86 per cent of all land species and 91 per cent in the ocean.

"With the clock of extinction now ticking faster for many species, I believe speeding the inventory of Earth's species merits high scientific and societal priority," says Dr. Mora. "Renewed interest in further exploration and taxonomy could allow us to fully answer this most basic question: What lives on Earth?"

The article has stirred global interest with reports from *CBC News*, *The Globe and Mail*, *NPR*, *The Washington Post*, *BBC News*, *The Guardian*, *NewScientist*, *The Indian Express*, *The Tehran Times*, *The Jakarta Globe*, *Forbes.com* and *The Australian.com*.
Katie McDonald

From surf board to starboard: Fish geneticist at home on the ocean

The opportunity to study with Paul Bentzen, an expert in population and evolutionary genetics of fish, first drew PhD student Jackie Lighten from East London to Dalhousie. Adding in the chance to surf Atlantic swells along Nova Scotia's rugged coastline made the choice just about perfect.

"The coastline is the best," says the Brit, who's surfed off Australia and Central America. **"You can find spots where no one else is surfing and have the waves all to yourself. It's world class surf for sure and thankfully pretty unknown in the surfing world."**

Even when he's not catching a wave, Mr. Lighten spends a lot of time on the water: from the south of Labrador all the way to North Carolina on the Atlantic; on the Beaufort Sea in the Canadian Arctic; and as far as Monterey Bay, California on the Pacific.

He's collected more than 10,000 samples from diverse species such as haddock, halibut, herring, sharks, smelt and skates. Memorable catches include a 226-kilogram roughtail stingray and a three-metre long sandtiger shark. After a small tissue sample is collected, all are returned overboard. Back in the lab, he examines DNA to build a database.

The research explores the role of Arctic climate change in driving marine diversification in fishes.
Marilyn Smulders





Top 100 Employers in Canada

Dalhousie is the first Atlantic Canadian university to be included in *The Globe and Mail's* assessment of the Top 100 Employers in Canada.

"To earn this distinction, we required a special work place for terrific employees doing a great job," says President Tom Traves. **"Dalhousie's award was truly earned by every member of our community."**

Employers are evaluated on: the physical workplace; work atmosphere; health, financial and family benefits; vacation and time off; employee communications; performance management; training and skills development; and community involvement.

The Dalhousie community included 3,278 full-time employees and 1,071 part-time employees, as of March. More than a third of our full-time employees are also Dalhousie alumni. "We all deserve to feel very proud," says President Traves. "Please give your colleagues a high-five."

The Scientist magazine has repeatedly cited Dalhousie as one of the "Best Places to Work in Academia." And Dalhousie has been ranked in the top 200 universities in the world, one of only nine Canadian schools to make the grade, according to the Times Higher Education's World University Rankings.

Oceanographer takes the helm of Graduate Studies

Bernie Boudreau is in for a busy year but the newly appointed dean is up for the challenge.

Dr. Boudreau, who comes to Graduate Studies from Oceanography, has a long and successful career in academia.

"The university has been very kind to the Department of Oceanography," he explains, "so I thought it was time to give some back."

He's in charge of a growing Faculty that now includes close to 3,500 graduate students. Graduate students provide significant support to faculty members and carry out much of the research conducted within departments, he says.

The quality and quantity of research is a large part of the university's reputation. Dr. Boudreau points out that Dalhousie is currently ranked 193 on the Times Higher Education World University Rankings, in the top one per cent of schools in the world.

"I think we can do even better," he says.

He wants to support the best graduate students to pursue their research at Dalhousie.



Upfront on campus



'The Codger' cycles for Burma

Sixty-three days – that's how long it took Rod Germaine (LLB'71) to bike 6,049 km from Vancouver to Halifax – to the Dalhousie campus, to be precise – just in time for his law school reunion.

From the steps of the Weldon Law Building, he explained his motivation to various classmates and professors.

Just Aid is a non-profit organization that supports the Mao Tao Clinic and the Back Pack Health Worker Team in Burma. Just Aid provides medical care to internally displaced people and also trains Burmese paramedics in conflict and cease-fire zones. Founded a decade ago by Mr. Germaine, Just Aid has since raised a total of \$350,000.

Biking about 96 km a day is no easy undertaking, let alone for a senior who nicknamed himself "The Codger" on his trip blog. To read more about the trip, visit his blog at www.justride2011.com.
Katelynn Northam

Late nights on CKDU

Rich Terfry, host of CBC Radio Two's national Drive program and internationally-famous hip hop artist Buck 65, first caught the radio bug and an addiction to hip hop listening to Dalhousie radio.

Back in the day as a teenager, he had to climb a tree outside his house in Mount Uniacke to find CKDU's radio signal. When he moved to Halifax, he spent 12 years volunteering at the station. As CKDU's most famous alumnus, he gave a keynote speech to this year's National Campus and Community Radio Conference, hosted at Dalhousie.

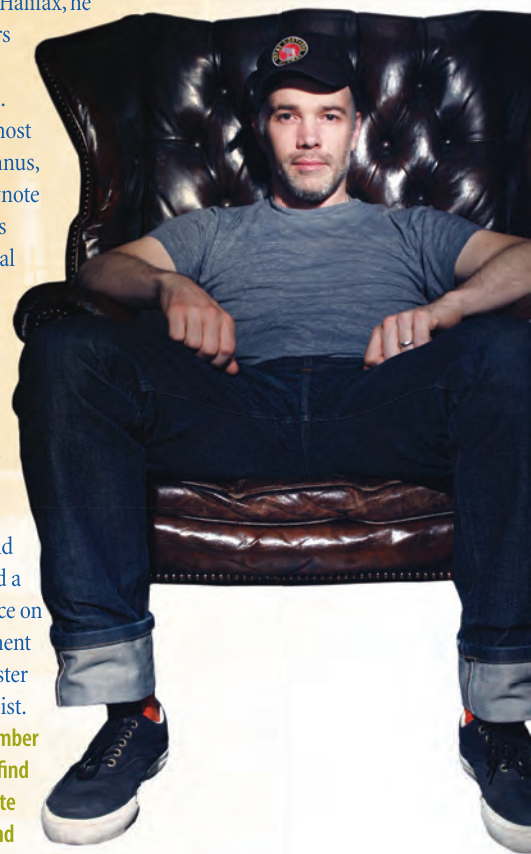
Before his speech, Mr. Terfry told us CKDU had a huge influence on his development as a broadcaster and as an artist.

"I remember struggling to find a voice for quite a long time and trying to figure out how I was supposed to sound," he says.

Those long hours on the radio DJing and telling stories left an indelible mark on the way he hosts a radio show or performs onstage.

"One was carrying onto the other, no two ways about it," he says of his CKDU days. "Those two really strongly inform each other because it's the same thing. The audience for the both is very similar."

Andy Murdoch





NSAC / Dal recipe for success

An apple a day keeps the doctor away.

You might think it's simply a catchphrase, but for two Nova Scotia-based researchers, it's the foundation for very promising work.

George Robertson of Dalhousie's Faculty of Medicine, and Vasantha Rupasinghe of the Nova Scotia Agricultural College's Department of Environmental Sciences have developed a flavonoid-enriched formulation called AF4 from apple peelings.

AF4 has shown tremendous therapeutic benefits for mouse models of stroke and multiple sclerosis, and the researchers are now poised to take it to the next level.

"What we're trying to do is develop AF4 as a natural health product," explains Dr. Robertson, a professor in the Departments of Psychiatry and Pharmacology and a scientist affiliated with the Brain Repair Centre.

They've decided the best way to test their concept involves cancer patients who are taking cisplatin, a powerful but toxic drug. Flavonoids have been shown to ease its side-effects (which often include kidney failure, hearing loss and balance disorders) and to increase cisplatin's tumour-killing effects. Side effects often occur after just a few weeks of cisplatin treatment.

"We will be able to establish proof-of-concept for AF4 in the clinic very quickly," says Dr. Robertson.

If the treatment not only reduces the adverse side-effects of cisplatin, but also enhances the anti-cancer activities of this commonly used drug, this highly innovative clinical trial will pave the way for the rapid approval of AF4 for the treatment of numerous diseases – from cancer to neurodegenerative disorders such as stroke, Alzheimer's disease, multiple sclerosis and Parkinson's disease.

"We are poised now to actually move it into people. Our goal within the next year and a half is to raise sufficient funds through peer-reviewed grants and venture capital to be able to do these studies," says Dr. Robertson.

He began working with Dr. Rupasinghe – the Canada Research Chair in Fruit Bioactives and BioProducts – eight years ago.

"I think this is a very unique collaboration because he brings considerable expertise in food chemistry and natural products, whereas as a pharmacologist having worked in both the academic and industrial sectors, I bring expertise in animal disease modeling and therapeutic development," says Dr. Robertson. "It's a nice hand-in-glove fit."

Both scientists hope to establish a company to produce AF4 from millions of kilograms of unused peelings generated annually in Nova Scotia through juice, sauce and pie production.

Given that AF4 is derived from apples, they are optimistic that this natural product will be safe and, if proven effective in the clinic, a boon to both Nova Scotia's agricultural industry and biotechnology sector. *Skana Gee*

Who will be taking care?

Gail Tomblin Murphy is used to answering tough questions as a professor. But courtesy of a prestigious health human resources grant, she's now the one asking the tough questions.

Dr. Tomblin Murphy is co-lead of the Pan Canadian Health Human Resources Network (CHHRN). This has been funded for \$600,000 under the most recent Canadian Institutes of Health Research (CIHR) Network Catalyst Grant competition. Other team leads include Ivy Bourgeault of the University of Ottawa and Morris Barer of the University of British Columbia.

Health human resources involves matching the needs of patients with the services the workforce can provide.

"In the past, planning has been done by comparing the number of health care workers to the number of people we have. But this doesn't consider how sick people are, their individual health care needs, or how efficiently we're delivering care," says Dr. Tomblin Murphy. **"Sometimes it's not about treating the illness itself but rather trying to prevent it from happening in the first place by allocating our resources properly."**

Looking ahead, Dr. Tomblin Murphy is optimistic the collaboration between the three universities involved in the Pan Canadian Health Human Resources Network will provide enough research to encourage improvements in the current health care system.

"Through a network like this we can share information across the country and learn from each other," she says. "By working together to share best practices, the focus on health planning will be on the needs of the patients and families."

Katie McDonald



Upfront on campus



'King of Classifieds' boosts international impact of health law

John McCall MacBain (LLD'10), best known for having built a worldwide business of buy-and-sell magazines, has presented a substantial gift to Dalhousie.

The \$3 million gift will create the MacBain Chair in Health Law and Policy at the Schulich School of Law. The addition of the MacBain Chair is expected to place Dalhousie at the forefront of health law and policy research in Canada and around the world.

"The new Chair will join a highly collaborative and interdisciplinary group," says Constance MacIntosh, director of the Health Law Institute.

Health law and policy is a fast-growing area with far-reaching legal and ethical implications. Research involving humans, end-of-life treatment, patient safety, privacy of health information and public health emergencies are some of the difficult challenges for health law scholars.

Mr. McCall MacBain gives generously of his time as well as his fortune. Based in Geneva, he currently oversees the McCall MacBain Foundation, with a mission to "improve the welfare of humanity through focused grants in health, education and the environment."

He is proud of his Dalhousie connections – his late father, Arthur Allister MacBain, graduated from law with the Class of 1951 – and a scholarship is supported in his honour.

"There are not enough words to say what a difference this has made in my life," says David Taylor, a MacBain scholar. As a tribute from the students, he welcomed Mr. McCall MacBain into the Domus Legis Society.

"This money really is well spent," says Mr. McCall MacBain. "You should be proud of the Bold Ambitions campaign."

To aerospace and beyond

A partnership with Boeing will not only address specific industrial needs, it will have implications reaching beyond aerospace.

Visual and text analytics research will mine and display the massive amount of data collected about each aircraft. Mobile graphics research will deliver complicated drawings and blueprints to aircraft manufacturing and maintenance technicians through smart phones, tablet computers and projections systems.

"We want to work to make it clean and accessible so it can be used by aircraft designers and safety engineers to improve aircraft safety," says researcher Evangelos Milios, of computer science.

In addition, advanced computer modeling and other techniques will develop alloys and coatings to improve the durability and strength of materials used in aircraft parts.

"It's a great environment for students," says Paul Bishop, of process engineering and applied science. "They get to take part in an applied program with a direct industrial impact."

Funding is in excess of \$7 million and comes through Canada's Industrial and Regional Benefits program.

"We have a strong history of partnership," says Susan Colegrove, regional director of International Strategic Partnerships for Boeing. "We're privileged and honoured to include Dalhousie on the list."

Ryan McNutt



Photo: Dawna MacIvor





Now that's chemistry

A new research chair is sure to energize the Department of Chemistry.

Mark Obrovac was recently named a 3M/NSERC Industrial Research Chair in Materials Science, charged with creating new, low-cost materials – specifically metal ion cells – for renewable batteries.

“There’s been very little research done in this area up until now. It’s in its infancy stage, so it’s a great project with lots of opportunity and lots of exciting work to do,” he says.

Dr. Obrovac joined Dal as an associate professor after eight years at 3M – a diversified technology company.

The 3M/NSERC Industrial Research Chair in Materials Science, renewable every five years, will include seven graduate students, four post-docs and a research associate by year five.

“It is quite an honour, and it is a research position so the idea is to get graduate students into research,” says Dr. Obrovac, who attended Simon Fraser, Dalhousie and Cornell. *Skana Gee*

The chance of a lifetime

This really is a once in a lifetime opportunity.

A cross-country research study requires volunteers who are willing to help researchers understand the antecedents of cancer.

Participants’ health will be followed over the coming decades to gain a better understanding of how our environment, genetic make-up and lifestyle contributes to a risk of cancer.

“In Atlantic Canada, we are part of a community that is at a huge disadvantage when you look at overall population health. You name it – we’ll have higher rates for many chronic diseases,” says Louise Parker, who holds the Canadian Cancer Society (Nova Scotia) Chair in Population Cancer Research in the Faculty of Medicine.

“It touches us all and so it is important to contribute to our knowledge base,” adds Dr. Parker.

Volunteers provide information about lifestyle, health and diet. Each volunteer receives a free PATH Pack that enables them to take simple measurements and samples at a time and place that is convenient and private for them.

Researchers ensure information that is volunteered is maintained in confidentiality.

“This is something that everybody can do. This chance isn’t going to come again – a study of this scale and magnitude – it won’t happen again in our lifetime,” says David Thompson, project manager.

Funding is received from the Canadian Partnership Against Cancer, an independent agency established by the federal government to foster action on cancer control.

It’s easy to become a volunteer or a champion to help recruit friends, family, neighbours or colleagues.

For more information: atlanticpath.ca/volunteer.html or call 1-877-285-7284 toll-free from outside Halifax. *Amanda Pelham*

What’s on the



If you’re a regular in the coffee lineup, new on campus, or just dropping by for a visit, you’ll find greater variety than before.

“We’ve been listening to the suggestions and ideas from the Dal community,” says Heather Sutherland, of Ancillary Services.

The alumni lounge on the Sexton campus is under renovation for express dining options and a Tim Horton’s. The Killam Atrium will include a Subway restaurant, a refurbished Second Cup and an enhanced Bistro. “We see this as a campus gathering space,” says Derrick Hines, of Food Services at Dalhousie.

Food Services was awarded an “A” grade in the “Food and Recycling” category in the latest College Sustainability Report Card.

Shane Patelakis (MSc’99) and son Kyle peer into the window of an abandoned house on the northern side of McNabs Island. The Faculties of Science and Arts and Social Sciences partnered on an alumni excursion to the island, with a tour presented by the Friends of McNabs Island Society and a nature walk led by Biology professor Bill Freedman.



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:-@



BY MARIE WEEREN

Cyberbullying task force seeking practical answers

you're not alone

A couple of years ago, around the time she came out, Breanna Fitzgerald was bullied. She was followed home. Windows were broken in her house.

"It was just a pretty stressful thing," says Ms. Fitzgerald, who graduated in June from Breton Education Centre in New Waterford, Nova Scotia. "I'm pretty good at taking stuff in stride, but nobody likes to go through that, right?"

In 2010, Ms. Fitzgerald earned a Nova Scotia Power of Positive Change Award recognizing leadership in her GLBT (Gay, Lesbian, Bisexual, Transgendered) community. She's now sharing her experience and insights as the youth representative on the government's cyberbullying task force.

Chairing the task force is Dalhousie law professor and human rights authority Wayne MacKay (LLB'78), who believes this cyberbullying initiative is the first in Canada. It was precipitated by the suicides of two Nova Scotian teenage girls whose deaths have been attributed in part to bullying.

Their mandate is to identify "... practical short-term and long-term recommendations to address cyberbullying of children and youth."

There is a lot of ground to cover, with the final report due at the end of 2011.



“Someone’s being hurt and kids feel like they should be trying to make the situation better, but they don’t know how to do that,”

says Wendy MacGregor (BA’83, LLB’87), co-creator of *Do the Right Thing*.

Prof. MacKay says tasks include defining bullying and cyberbullying, holding youth focus groups across the province, seeking statistics on the prevalence of bullying and cyberbullying, reviewing successful programs, identifying key players in the issue and their roles, looking at possible legislation and policy changes, compiling human and written resources, hearing from experts in such areas as restorative justice and Internet safety, and raising awareness.

The list of tasks is as great as the seriousness of the issue.

“I suppose the most obvious examples are the suicides, but even short of suicides I think we’ve probably ignored or underestimated how damaging bullying is,” Prof. MacKay says.

The five-member task force is assisted by a 20-member working group. Organizations represented in this group include the Nova Scotia Teachers Union, Kids Help Phone, Canadian Mental Health Association, Council on Mi’kmaq Education, and Council on African Canadian Education.

The task force working group includes John LeBlanc, an associate professor in Dalhousie’s Departments of Pediatrics, Psychiatry, and Community Health and Epidemiology; and a staff pediatrician at the IWK Health Centre. As a pediatrician, he always checks in with his patients to see if they may be experiencing bullying or bullying someone else.

“I just recently saw a girl with an eating disorder who had been bullied for a couple of years until she switched schools,” says Dr. LeBlanc. “And that’s clearly one factor in her eating disorder.”

Being bullied as a child can follow someone for the rest of their life. Prof. MacKay found that whether he’s in the grocery store or at the gym, people in their 50s and 60s will come closer to tell him about how they were bullied as children.

That the issue resonates with the community is obvious from these chance encounters, emails and letters to the task force, and the number of online survey responses. That there will be no easy answer is also clear.

“It’s kind of a microcosm of a lot of our social issues. The simple solution is rarely the only correct solution,” Prof. MacKay says. “Not to say there shouldn’t be more sanctions, and that’s one of the things we’re going to look at – policies and legislation change – but I think many of the more effective solutions lie in changing the way people interact.”

Dr. LeBlanc is also affiliated with the national Promoting Relationships and Eliminating Violence Network (PREVNet) and he explains that responses to bullying can be approached from an individual, group or systems perspective.

The individual approach might be the least effective, because bullying is often kept hidden from adults and victims may deny it because they’re afraid of retribution. A group approach can include preventive work that brings children together to interact regularly in shared activities or peer problem solving when bullying occurs. Examples of these are the “No Blame Approach,” “Circles of Support,” and “The Method of Shared Concern.”

And then there’s a systems approach, from changing a school or organizational culture to addressing society more broadly. “If we’re going to solve the problem, the overall thrust has to be changing what we as a society believe is appropriate for humans, how to interact with each other, what we want to teach our kids and what we want to model for them,” Dr. LeBlanc says.

The parents' representative on the task force is Wendy MacGregor (BA'83, LLB'87), who witnessed the effects of bullying first-hand and then did something about it. About eight years ago, her children began asking questions about how to respond when a peer was unkind.

"In the early grades there are social situations that start to happen in the schoolyard and in the hallways where kids witness this kind of behaviour, where somebody is doing something that's shifting the power balance or it's exclusionary," Ms. MacGregor says. "Someone's being hurt and kids feel like they should be trying to make the situation better, but they don't know how to do that."

Ms. MacGregor developed *Do The Right Thing*, with co-creator Sandy Lund, as "... an all-original, all-kids musical performance to educate elementary school students about bullying issues." A video version will be available for free downloading this fall at dotherightthingplayers.com

The advent of cyberbullying has brought with it new challenges. Unlike traditional bullying where you may encounter your nemesis in the playground or mall, cyberbullying is with you 24/7 through social media. The permanence of what's posted and the fact that users may be anonymous are also differences.

"I've heard some accounts of the impact that (anonymity) has," Prof. MacKay says. "Some people hardly want to go out because they don't know who's sending these awful messages. So you can't even say, 'Well, I'm going to avoid the bullies because you don't know who the bullies are.'"

Dalhousie's Dean of Computer Science Michael Shepherd and post-doctoral research fellow Bonnie MacKay (PhD'09) speak of the importance of education and social responsibility when it comes to social computing applications.

"The problem is not the technology," Dr. Shepherd says. "It's how people are using the technology and to solve that you have to educate them."

Dr. MacKay helped develop a course on social computing for students in computer science and other disciplines. The course covers different types of social computing applications, how they evolved, the technology in broad strokes and some of their social implications, including privacy and copyright issues. Cyberbullying is also touched on.

"I hope that students go away with a stronger understanding of what makes these applications work, as well as thinking about the issues behind them," she says.

The issue of bullying and cyberbullying is not going away, but there is hope arising from the work of individuals, the task force and other groups.

Ms. Fitzgerald offers her words of hope to young people who are experiencing bullying.

"You're not alone. Even though you feel like you're the only one going through it you're really not," she says. "Just know that you're better than that and it does get better. People grow up. And you'll absolutely be a stronger person for it."



AN EXTENDED FAMILY

BY PATRICIA BROOKS ARENBURG

When RCMP Const. Dawn Metallic pores over the files of missing men, women and children from across Canada, she can't help but think of her own life and the roads not taken.

"I don't know what happened to me, why I took a different path in life – but I was at those crossroads. I could've been one of those girls," she says.

Instead Ms. Metallic, a graduate of Dalhousie's Transition Year Program (TYP), is working in Ottawa at the National Police Support Centre for Missing Persons and Unidentified Remains.

14 **"I'm grateful that the program still exists. I'm glad it was there for me," says Dawn Metallic "Thank you, TYP."**

"I know people who are still in those situations," she says. "So, I definitely bring that to the table."

The 10-year force veteran is the "eyes and ears of aboriginal policing" in the ongoing development of the national database, the first of its kind in Canada. Her role, in addition to providing support for police forces across the country on their cases, is to ensure there is always an aboriginal voice in the process.

"A lot of these people I'm working with have never worked with an aboriginal person before," she says.

She is from a Mi'kmaq community that borders New Brunswick and Quebec. In 1992, she applied to Dalhousie University to begin classes but didn't get in. That's when "TYP came to me," she says. Through TYP, she began studying in the fall of 1992.

The program was designed to help black and aboriginal students gain the skills they needed to get a university education. The students were keenly aware that people looked at them differently based on the colour of their skin. Her classmates also suffered from a lack of confidence, role models and encouragement from teachers in the public system.

Before TYP, "I didn't know everybody felt like that," she said. "It gave me that independence to have some self-confidence that I have the capability of doing it."

TYP began in 1970, the brainchild of graduate student James Walker and Burnley (Rocky) Jones (LLB'92, LLD'04), an undergrad at the time. The pair had been discussing the systemic racism facing black and aboriginal students for some time.

"We operated from the premise that we're not stupid... but that there must be something blocking First Nations and African Nova Scotians from getting through," says Dr. Jones, who is now a retired lawyer.

They found their solution after a long talk during a duck hunting trip in 1968. They combined various philosophies on black education and came up with a university-level program aimed at black and aboriginal school dropouts.



Photo: Trevor Lush

"It's not just enough to have an education," says Dr. Jones. "They had to have an education and then be committed to coming back to the community to use their education to further educate the community."

Dalhousie students and faculty, along with members of the local African-Canadian community, lobbied the university to officially adopt the program. The administration took on the challenge, loaning staff from other programs; paying Mr. Walker and Dr. Jones a stipend to develop a black history course; and hiring Noel Knockwood to develop an aboriginal studies course.

Dr. Jones thought TYP would last five or 10 years. TYP recently marked its 40th anniversary. In that time, about 1,000 people have graduated from TYP, becoming leaders in the black and aboriginal communities.

"The need is great in the community. You don't erase in 40 years what has accumulated over centuries in terms of historical disadvantage," says Isaac Saney, TYP's acting director.

This year, there were 100 applicants for 25 to 30 available spaces. Acceptance is still based mainly on focus and motivation, with a minimum academic requirement and geographical representation.

The intensive program includes courses on black and native history, math, English, academic writing and an elective to help students prepare for and continue on in university. They must achieve a B average to be accepted at Dalhousie University as regular students and may receive a tuition waiver if they maintain a 2.0 GPA.

"Some would say that TYP was not as rigorous as your sort of mainstream programs," said Eric Christmas, a TYP graduate from Membertou First Nation in Cape Breton.

"But I found that it actually was. One of the reasons was the courses were actually first-year courses as well. You were getting a sense of how the university works and what the demands were," says Mr. Christmas.

The program also taught essential university skills like effective communication, note-taking and critical thinking, he said.

"I was always serious about school when I was there, but it gave me such a great set of tools to work with that I think just made it easier for me," he says.

In TYP, he also found an extended family he could turn to for guidance on the big campus as he first earned an undergraduate degree in economics and then completed two years of graduate studies. In return, he mentored new TYP students and showed them that "it's not impossible."

Mr. Christmas is the energy advisor for Kwilmu'kw Maw-klusuaqn, also known as KMK Mi'kmaq Rights Initiative. The organization works for Nova Scotia's 13 bands in consultations and negotiations with government and industry. His role is to bring business opportunities in the areas of gas, oil and new energy to the chiefs.



Burnley (Rocky) Jones

Photo: Danny Abriel

"Just speaking from the Mi'kmaq community, I know many, many colleagues of mine that were in the program before and I see them today and they're in just some incredible roles – commerce, health, the environment," says Mr. Christmas. "Just watching the work that they're now doing now, it's amazing. That's a kind of direct impact that I think is measurable."

But he said TYP also offers something that can't be so easily measured.

"It gives us hope," Christmas said. "If you think that your current position in life isn't going so well, that option (to go to university) is there. And it's just been so, so critical."

Ms. Metallic graduated from TYP in 1993 and studied at Dalhousie for three years before she joined the RCMP through a program she learned about on campus. She continues to volunteer at friendship centres, First Nations events and in recruiting aboriginal people for the RCMP.

The foundation for her self-confidence, she says, is rooted in the support she received in TYP. Ms. Metallic returned to Halifax for the 40th anniversary celebration where she heard many success stories and reflected on how far she has come.





a grim & cruel business BY DAN CONLIN

August 29, 2011 – two speedboats approach a chemical tanker steaming along the Gulf of Oman. A nervous captain raises the alarm. Just days before, pirates seized another tanker anchored nearby, taking the ship and crew to join 18 other vessels awaiting ransom on the coast of Somalia. A long whistle blast sends crew rushing to a locked refuge aboard the ship, while an onboard security team readies weapons. Pirates come within 15 metres of the ship before warning shots cause them to break off and speed away. So ends one recent encounter in the escalating war with pirates.

Such attacks occur almost daily, since an explosion in piracy five years ago. According to the International Maritime Organization, there were 489 pirate attacks in 2010, the worst year on record with over 1,000 mariners languishing as hostages.

Modern day piracy is the focus of a two-year research project by researchers at the Marine Affairs Program. Funding comes from the philanthropic TK Foundation, set up by the late J. Torben Karlshøj, founder of an international tanker firm.

Exploring piracy requires scholars who know law as well as those who know business and social injustice – issues that permeate modern and ancient buccaneering. Hugh Williamson (BSc'70, BEd'71, MBA'84, LLB'84) is a key player who draws on his 42 years with the Canadian Naval Reserve, including naval intelligence.

“Dalhousie is ideally set up for this sort of study,” says Mr. Williamson. “We have the connected areas of expertise for this complex problem.”

Most studies to date have been narrowly focused on one aspect; considering piracy as a naval, legal or political problem. Dalhousie's interdisciplinary approach puts it ahead of the game. Research expertise on campus can be drawn together from marine affairs, international development, international trade and transport, foreign policy studies, marine and environmental law plus library and information studies.

The research will lead to policy alternatives for dealing with this crime being presented to agencies responsible for protecting both communities and seafarers.

Most people in North America grew up with images of pirates as romantic rebels from long ago, epitomized in recent years by the *Pirates of the Caribbean* films.

Real piracy is not only a grim and cruel business, it is also something that has never gone away. The current wave of attacks in the Indian Ocean is only the most recent phase of one of the oldest known types of crime. Some of the first written accounts of seafaring in Egypt mention pirate attacks. Even the mighty Julius Caesar was held for ransom by pirates. It has flourished at different times and in different regions around the world.

Finding solutions for the crime of piracy will remain as challenging in the modern era as it was in the past.

Atlantic Canada had its own outburst of piracy in the early 1700s in a time known as the Golden Age of Piracy. For two decades pirates from the Caribbean such as the flashy Bartholomew Roberts or the psychotic Ned Low arrived every summer to plunder the region's massive fishery, using it as a recruiting and supply centre. Increased naval patrols and special courts crushed the Golden Age of Piracy by the 1730s.

While piracy attacks became such a rarity in the North Atlantic that they passed into romantic myth, they have continued to be all-too-real elsewhere.

Among the regions plagued by pirate attacks in recent times is the Gulf of Thailand. A large wave of attacks began in the late 1970s as refugees fled Vietnam. Families carrying their lifesavings in small rundown boats attracted ruthless pirates. Mr. Williamson was working in the South Pacific at the time and remembers the grim toll.

"1982-83 was an especially bloody year. There were about 500 murders and sexual assaults," he says.

Then in the early 1990s, pirate attacks soared in the Indonesian Straits of Malacca, a vital channel connecting Middle Eastern oil, Western markets and powerhouse Asian ports. The narrow channel proved ideal for pirate gangs. Attacks peaked at over 250 in 2000. In many of these ruthless and bloody attacks the entire crew was killed. Vessel and cargo would disappear, renamed through criminal middlemen and corrupt government officials. Attacks in the straits tapered off after 2004. The tsunami destroyed some pirate hideouts, Indonesia began better enforcement and China cracked down on gangs acting as middlemen.

A recent upheaval of pirate attacks in East Africa began when European fishermen aggressively moved into Somali waters following the government's collapse, says Mr. Williamson. Angry Somalis formed an ad hoc coast guard based in Puntland to seize foreign fishing vessels and

demand reparations. Nationalist seizures evolved into piracy as ransoms grew into the millions.

"These attacks are now very well organized and resemble a classic privateering model. Investors put up the money. Pirate war lords get boats and a crew, typically for \$250,000. Investors get half the ransom, the pirate crew a third and the rest goes to the local community," says Mr. Williamson.

This piracy at least has a low death rate as ransom money depends on the safety of the hostages, although Mr. Williamson worries that deaths will rise with the introduction of armed security guards. Armed guards are expensive and can cause their own problems when "shoot first" responses kill innocent people.

He points to the continuing vulnerability of Somali refugees at sea. "No one is paying much attention to them because they are not part of international shipping," he says.

Finding solutions for the crime of piracy will remain as challenging in the modern era as it was in the past.

Part of this challenge is definition. The United Nations Convention on the Law of the Sea deals with illegal attacks on the high seas, outside 12 mile territorial limits. Individual states have their own definitions. Other international conventions, such as the Suppression of Unlawful Acts, have broader definitions.

And while enforcement by international naval patrols have foiled many attacks and caught some pirates, legal difficulties have made it all but impossible to try and imprison pirates, he says. And, faced with naval patrols, Somali pirates have recently shifted their attacks far out into the Indian Ocean and north into the Red Sea.

The impact of piracy is global — eventually reaching North American consumers as shippers pass on the costs: security, higher insurance, ransoms and extra fuel for detours. And the wealth of consumer goods that flow into North America is dependent on the safety of the unsung seafaring labour force.

In some ways, Mr. Williamson notes, piracy is fundamentally a cost imposed by a desperate and hungry collapsed state.

"For the losses to shipping and the price of patrols, we could have fed and clothed every man, woman and child in Somalia," he says.





Hugh Williamson meets with Dan Conlin



Hugh Williamson at Point Pleasant Park

Photos: Danny Abriel

Jay Batongbacal recently traveled from the Philippines to New York City as part of a team arguing for sovereign rights to an extended continental shelf.

Appearing before the UN Commission on the Limits of the Continental Shelf, he made good use of the skills he honed during his legal education and graduate studies in marine management at Dalhousie.

“I do quite a lot of work wherever I am needed and on issues that require the unique multi-perspective and inter-disciplinary approach that MMM provided,” says Mr. Batongbacal, an assistant professor at the University of the Philippines.

Sharing marine management expertise

by Skana Gee

“Although I am a lawyer, I am able to work with social and applied scientists, government and non-government personnel, and academic and business people as needed. I see myself as a kind of independent mediator of ideas in these efforts.”

The Faculty of Management’s Marine Affairs Program (MAP), offers the Master in Marine Management (MMM) degree and is celebrating its 25th anniversary.

At that point, MAP will have graduated 352 men and women who have gone on to jobs in all levels of government, at NGOs, and in the private sector in more than 40 countries. Their jobs range from fisheries officers and community development workers to entrepreneurs and seafarers.

Lucia Fanning (MMM’97) is the current director of the Marine Affairs Program. Like many graduates, she used the knowledge acquired from the program to work internationally in sustainable ocean governance. Previously, she headed up the 26-country Caribbean Large Marine Ecosystem project and is still actively involved as a governance researcher on the \$63-million project.

The program’s interdisciplinary approach to education, research and outreach is unique, says Administrator Becky Field. Students come with science, social science, law, policy and business backgrounds – some from other university programs, others in mid-career.

Alex Gagne (MMM’09), 25, now works as a policy analyst with the First Nations Fishery Council in Vancouver, where she grew up. While in the program, she became interested in co-management, specifically how indigenous communities – which often rely on marine resources for food and have strong cultural connections to these resources – are involved in fisheries management.

Now she’s involved on that front daily, working with BC’s 200-plus First Nations communities on issues such as access, participation in management decisions, and developing a co-management framework to jointly manage their resources with the Department of Fisheries and Oceans Canada.

“My approach is one of collaboration, whereby through working together we can achieve success and build long-term lasting capacity,” says Ms. Gagne. “I attempt to be solution-orientated in my work, and always promote working together, improving communication and outreach so that a greater number of people can be meaningfully informed on a particular issue.”

For more information about MAP’s 25th anniversary celebrations, visit marineaffairsprogram.dal.ca

A one-stop life s

It wasn't as if everyone was avoiding the word "building," it's just that the Life Sciences Research Institute (LSRI) is so much more.

Dalhousie President Tom Traves called it a "business and incubation centre," a "one-stop life sciences shop." Colin Latham, chair of the LSRI steering committee, dubbed it a "research village." And Martha Crago, vice president research for Dalhousie, referred to it as a "potent anchor" and a "district of discovery."

Whatever you want to call it, the Life Sciences Research Institute is unique for Halifax – a beautiful, light-filled facility where scientists, students and entrepreneurs will work together. Through collaboration and discussion, they will be able to move research seamlessly from the lab to the commercial sphere.

"We bring science and technology transfer together to form one powerful team," said Dr. Traves at the June 21 launch.

LSRI is situated on the corner of Summer Street and University Avenue, in close proximity to hospitals, and connects with the Tupper Building via pedway.

"How can you not be inspired in this building?" said Nova Scotia Premier Darrell Dexter. "It's a space that holds a lot of promise for the province ... this institute has the capacity to produce leading-edge research while providing enhanced clinical, educational and training space."

Premier Dexter noted he's been spending a lot of time at Dalhousie lately, having recently attended the launch of the Halifax Marine Research Institute, bringing together science and industry. "LSRI will have a similar focus for the life sciences sector."

HRM Councillor Sue Uteck brought passion to the launch.

"I lost a loved one to ALS," began Councillor Uteck, referring to her husband Larry Uteck, a coach and city alderman who died at the age of 50 in 2002. "I see this as a place of passion, vision, leadership, hopes and miracles."

Researchers stand to benefit from the LSRI's collaborative framework. Geoff Maksym, an associate professor with the School of Biomedical Engineering, has developed an oscillation spirometer to better diagnose asthma in children.

The development has been shepherded through Dal's Industry Liaison Office (ILI), with support from NSERC, Springboard Atlantic, the Nova Scotia Lung Association and the Atlantic Canada Opportunities Agency.

Dr. Maksym says the chance for researchers to mingle with businesspeople and entrepreneurs is crucial.

"ILI might have an investor come in who is perfect for what you're developing. If you're in the same building, they can come on by and take a look," says Dr. Maksym. "Proximity plays a great role."

The event was capped by release of balloons and the unfurling of a silk banner by Nova Scotia artist Holly Carr. The large banner depicts DNA, molecules, amino acids, cells, synapses, organs and nervous systems.

The founding partners of LSRI are Dalhousie University, Capital Health and the IWK Health Centre in partnership with Innovacorp. Among the more than 100 life science researchers and research groups relocating to LSRI are the Brain Repair Centre and the Atlantic Mobility Action Project. On the business incubation side are Innovacorp and Dalhousie's Industry Liaison Office.

The \$70-million facility was funded by Industry Canada, Province of Nova Scotia, Canada Foundation for Innovation, Atlantic Canada Opportunities Agency, Dalhousie Medical Research Foundation and other private benefactors.

*Marilyn
Smulders*

"I see this as a place of passion, vision, leadership, hopes and miracles,"

says Sue Uteck, Halifax Regional Municipality Councillor.

ciences shop

Exercising imagination ...

... at the Brain Repair Centre

Technology that came of age with Generation X may offer hope to aging baby boomers.

Neuropsychologist Gail Eskes of the Brain Repair Centre is looking for a software development company to develop a video game for her Cognitive Repair Kit.

"Your brain is just like the rest of your body," says Dr. Eskes. "It needs a lot of exercise."

She's working primarily with victims of stroke and Parkinson's disease. Their ability to focus and pay attention – which involves a number of different areas of the brain – is often impaired.

Her team has already developed assessment tools to help therapists identify problem areas. Now Dr. Eskes envisions an addictive video game where the game play targets specific cognitive deficits.

"The idea is that you provide experiences to the brain and those experiences sculpt the brain," says Dr. Eskes.

Evidence that the brain remains plastic – that is, capable of forming new neural connections or even growing new neurons – throughout life is quite new.

"We don't know yet what the limits of that are," says Dr. Eskes. "But it's really opened up a lot of avenues of investigation."

One possibility is that the aging brain's plasticity can be enhanced with drugs. Pharmacologist George Robertson will be using the LSRI's labs to test drugs already on the market – such as Fasudil, for vascular disease.

"There are drugs out there... that can be repositioned for the treatment of neurodegenerative diseases," says Dr. Robertson. "You immediately reduce 99 per cent of the risk."

Researchers in the United States found that rats treated with Fasudil had better memory.

If he can confirm that finding, Dr. Robertson will move quickly to testing in humans – without having to spend years in confirming the drugs safety.

"Gail has the patients," he says of his collaboration with Dr. Eskes. "Tonnes and tonnes of people that have cognitive problems."

The combination of expertise and equipment under the roof of the LSRI is yet another source of hope for those aging boomers.

... and the Atlantic Mobility Action Project

"For productivity per square feet, you can't beat a coffee room," says Robert Brownstone.

He enjoyed scientific collaborations, big and small, during regular coffee breaks in Denmark, where he did post-doctoral training.

"You were expected to show up," he recalls.

Now, at the LSRI, he hopes that same culture of coffee and collaboration will flourish.

It's a big change from the way the Atlantic Mobility Action Project (AMAP) has had to work until now. Five labs – all working to unravel different aspects of how people move and what causes mobility problems – are spread out from the sixth to the 14th floor of the Tupper Building. They will relocate to large airy labs in the LSRI.

"To be geographically located on one floor will be hugely beneficial," says Dr. Brownstone. "We think just the day-to-day interactions will help the research progress."

Dr. Brownstone hopes that research will result in new therapies for patients who've suffered injury or stroke. Right now, he helps them as a neurosurgeon. In fact, Dr. Brownstone's professional life – working with patients, mentoring graduate students, starting AMAP, securing research funding, and peering at nerve cells through a microscope – is like a microcosm of the LSRI: each activity feeds and informs the others.

While the end goal of his research is to find therapeutic applications – to move the research from 'bench to bedside' – Dr. Brownstone argues that research questions that move from 'bedside to bench' are equally important.

"Nothing drives you scientifically more than seeing the patients with the disabilities," says Dr. Brownstone.

His lab, for example, recently added hand function to its research interests.

"It was almost accidental," he recalls. "We were studying walking and found this abnormality in hand function." It so happened that Dr. Brownstone saw a patient who had trouble grasping at around the same time – and suddenly the accidental discovery was of greater interest.

"Does that mean I have a treatment for that particular patient right now? No," admits Dr. Brownstone, "But it means that we can start to explore possibilities that were unthought-of before." *Lisa Roberts*

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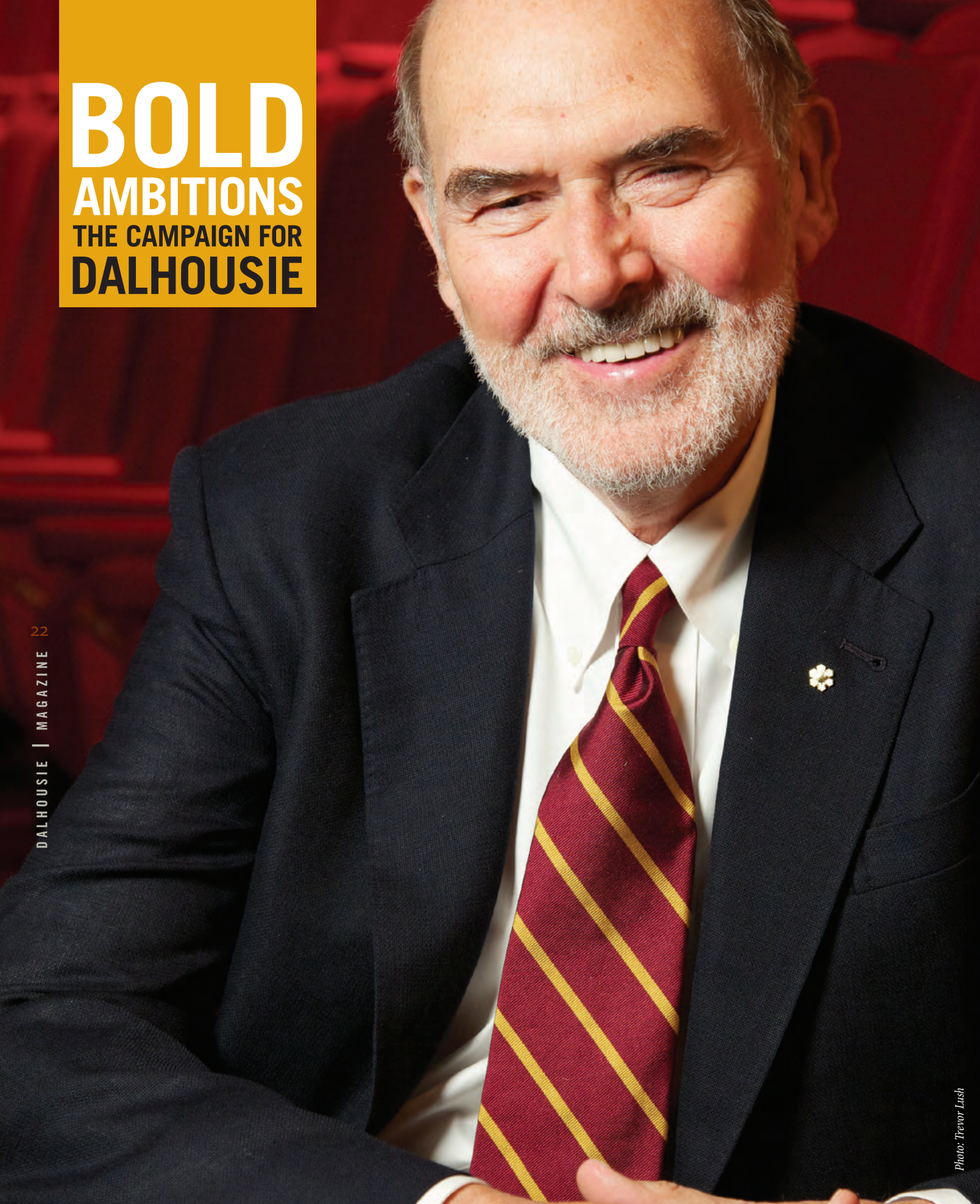


Photo: Trevor Lush

www.boldambitions.ca

Unfolding a STORYTELLER'S TALE

BY ELAINE MCCLUSKY

When Peter Herrndorf, one of the most influential men in Canadian culture, was 18 or 19 years old, he had a summer job at *The Brandon Sun*. He was sent to cover a traffic accident. When he turned in his story, the city editor, a man whose name he can recall half a century later, declared: "This is awful."

"I did my second draft and he said 'it is getting worse,'" says Mr. Herrndorf, who kept at it, writing ten or 12 more drafts, which the editor kept rejecting. "In the end, he said, 'I don't know what you are doing, but I've run out of time so I am going to go with your last version.'"

That last version made it into the Manitoba newspaper, and Mr. Herrndorf, 71, now the longest serving CEO of the National Arts Centre and a former vice-president of the CBC, was thrilled. "There was my story with a byline. I had died and gone to heaven."

Tenacity, Mr. Herrndorf says, kept him writing those drafts, and tenacity has been a constant in his remarkable career as an arts and media guru. A man who makes things happen. A cultural catalyst. "Anybody who dreams big dreams is by nature going to be tenacious in pursuing those dreams," he says in an interview from Ottawa. "When I recruit people, that is part of what I look for."

Mr. Herrndorf was recruited by the NAC in 1999. His contract was recently extended until 2013. Few were surprised. Under his direction, the centre, opened in 1969, has attracted talent, extended its presence outside Ottawa and achieved financial stability, primarily by raising millions through non-government sources.

The centre "was not in good shape" before Herrndorf arrived, says Rosemary Thompson, its director of communications.

"He just straightened it out. He has extraordinary leadership qualities; he is very demanding but he is extremely human and compassionate. He has big ideas and he makes them happen."

After graduating from Dalhousie Law School in 1965, Mr. Herrndorf famously turned his back on law and went to work for the CBC in Winnipeg as a journalist. He later became publisher of *Toronto Life* magazine and chairman CEO of TVOntario, and was named by *The Globe and Mail* as one of Canada's 50 nation builders. Along the way, he earned an MBA from Harvard Business School.

How does it feel to be described as "the man with the golden touch" and "one of Canada's great cultural visionaries?"

"Silly," he responds with a booming laugh. "You have to take all of that with a grain of salt. When I hear that, I think: My God, you have been at this a long time."

In the world of television, where she was employed for over two decades, Ms. Thompson says Mr. Herrndorf is revered. He created iconic shows such as *The Fifth Estate* and *The Journal*. "He was part of the golden age of the CBC."

Mr. Herrndorf is upbeat. A good storyteller. He starts his day by reading papers and magazines while listening to classical music. Born in Amsterdam, a city of bikes, he likes to cycle before work although his routine was disrupted this year when he underwent several surgeries for a detached retina.

**As the CEO of the National Arts Centre
TAKES THE STAGE
during the Dalhousie alumni dinner
he continues a life's work —
SHARING HIS PASSION
FOR CANADIAN CULTURE.**

He travels extensively and will be in Fogo Island in Newfoundland this fall for an NAC workshop. A company of theatre professionals, including 12 actors from across the country, will be joined by students from the National Theatre School for three weeks of research on Henrik Ibsen. Ventures like this are part of Mr. Herrndorf's push to make the NAC truly national.

Mr. Herrndorf believes Canadians admire their artists even if we are not always aware of how successful our musicians, architects, painters and writers are on the world stage. He does not think Canadian culture has a common mood or theme. He is fascinated by the impact that Canadians have had on comedy, dominating many American programs, including *Saturday Night Live*, with writers and performers.

And who has inspired Mr. Herrndorf over the years? He remembers director John Hirsch at the Stratford Festival, "a friend and great hero;" Barbara Frum on the CBC; and Donald Brittain, "an incredible documentary maker." More recently, he has been moved by people such as Pinchas Zukerman, the acclaimed music director of the NAC Orchestra.

In addition to classical music, Mr. Herrndorf enjoys jazz and chorale music. He is a devotee of 1960s rock and roll. His favorite fiction writer of the last decade is American Alan Furst, who writes "very textured" Second World War novels. In non-fiction, he likes *Paris 1919: Six Months That Changed the World* by Canadian Margaret MacMillan.

Mr. Herrndorf commutes between Ottawa and Toronto where his wife, Eva Czigler, is an executive with the CBC, scouting on-air talent. "She has a wonderful eye and great style." Their daughter went to McGill. Their son graduated from King's, taking courses at Dalhousie. His alma mater awarded Mr. Herrndorf an honorary degree in 2000.

"Anybody who dreams big dreams is by nature going to be TENACIOUS IN PURSUING THOSE DREAMS..."

Mr. Herrndorf has only good things to say about

Dalhousie and Halifax. But why, in a move that is by now legendary, did he join the CBC one day after he graduated from Dal? Two things happened in law school, he says. He did a moot court and found the experience so exhilarating that he had "almost decided I would practice law." Then, he got a summer relief job at CBC in Winnipeg.

"I got hooked. I found it so exciting that it trumped my experience in moot court. This has been my calling ever since: broadcasting, journalism and the arts."

Did Mr. Herrndorf, after all of his success, ever meet up with the city editor from Brandon, the taskmaster who rejected rewrite after rewrite? Curiously, Mr. Herrndorf says, he ended up, a few years later, working closely with the editor's ex-wife, who became a long-time mentor. "I put that in the small world category."



Join us in rising to the challenge!

BOLD
AMBITIONS
THE CAMPAIGN FOR
DALHOUSIE

A chorus of **SUPPORT** for expansion

Within the walls of the Dalhousie Arts Centre, community audiences have experienced riveting theatre performances, elaborate costumes and harmonious music created by talented Dalhousie students.

The theatre and music departments were new and fairly small when the arts centre was built in 1971. Since then, the programs have grown exponentially, but the space has not.

“The academic programs that live in the building have outgrown the building itself,” says Roberta Barker, chair of the Department of Theatre.

To address these space issues, Dalhousie hopes to make much needed renovations to the centre, including the addition of a new wing to the Seymour Street side of the facility.

The Dalhousie Arts Centre Revitalization Fund, part of Dalhousie’s \$250-million *Bold Ambitions* campaign, is a \$10-million, community-based project to create a 200-seat concert hall; a new multi-purpose seminar room; a dedicated space for the costume studies program; three labs for film studies, theatre and music classes; and a student lounge. These new spaces would have state-of-the-art sound recording, music technology, video and computer equipment.

“This is the single largest priority for the Faculty of Arts and Social Sciences within the *Bold Ambitions* campaign,” says Robert Summerby-Murray, Dean of the Faculty of Arts and Social Sciences.

“Building a \$10-million modern arts facility will not only satisfy our space challenges and accommodate our program growth, but will enhance Dalhousie’s position as a post-secondary leader in the performing arts across Canada. Supporters and learners alike will see the revitalized Dalhousie Arts Centre as a special place that invites collaboration among peers; a place that inspires others; and a place that encourages creativity across the arts,” says Dr. Summerby-Murray.

Michelle Hampson and Joanne Ward-Jerrett

SETTING THE STAGE



A ruby is often used to recognize a 40th anniversary – since it is thought to express an inner passion that remains alive and strong.

A passion for the arts created the Dalhousie Arts Centre four decades ago. Ever since, the centre has catalyzed artistic and musical expression on campus and in the community.

The Halifax-based architectural firm Fowler, Bauld & Mitchell designed the Dalhousie Arts Centre, complete with Japanese architectural influences. Their vision has been influential on campus, most recently with the Mona Campbell Building.

The arts centre's main performance auditorium recognizes Rebecca Cohn, who immigrated to Halifax from Poland. She began by selling goods from a handcart and later invested in downtown properties. In 1942, her estate gift supporting the arts began a legacy that reverberates today.

The centre's inaugural public performance featured The Atlantic Symphony Orchestra in 1971. Stan Rogers, Gordon Lightfoot, Anne Murray, Joan Baez, Don MacLean, Oscar Peterson, Ray Charles, Harry Belafonte, Tony Bennett, k.d. lang, Jim Cuddy, Christopher Plummer, Gordon Pinsent and Bill Cosby all delighted Halifax audiences at the Dalhousie Arts Centre during the 1970s and 80s. For many years, the center has provided a home for Symphony Nova Scotia and the Kiwanis Music Festival.

Leonard Cohen was one of the first to receive a parchment in the Cohn. The Canadian poet picked up an honorary degree in 1971. In 2008, the iconic songwriter and musician was back onstage, kicking off a world tour and enchanting Maritime audiences. With the Cohn becoming the home for the university's convocation ceremonies, the auditorium features in graduation memories for thousands of alumni.

The Dalhousie Art Gallery moved into its current home in 1971. Group of Seven painter Lawren Harris donated his silkscreen *Pentagon* on the occasion of his honorary degree that same year. The gallery arranges an annual curated film series on diverse subjects and hosts the popular Student, Staff, Faculty and Alumni Exhibition.

Free noon hour recitals continue to be offered by talented music students. The Marriage of True Minds is the theme for the Dalhousie Theatre Department Productions this year.

The Dalhousie Arts Centre remains a hub for the province's arts and cultural activity. Attendance at the Cohn Auditorium was 120,000 in 2010, with many more visitors attending performances in the Sir James Dunn Auditorium and checking out exhibitions in the Dalhousie Art Gallery.

It's fitting while celebrating the the Dalhousie Arts Centre's anniversary to anticipate enhancing arts opportunities in years to come.

Katelynn Northam and Amanda Pelham

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Outstanding Alumni

Congratulations to the 2011 DAA award winners

The Dalhousie Alumni Association is pleased to acknowledge the dedication, largesse and passion that characterize the 2011 award winners.

A. Gordon Archibald Alumnus of the Year Award

Named in honour of A. Gordon Archibald, recipient of the very first Alumni of the Year Award, this award was established in 1989 to recognize alumni for outstanding personal service, commitment and contribution to Dalhousie University.



Nancy Tower (BComm'81)

Having achieved life's ultimate trifecta – a powerful career, a dedication to community service, and a fulfilling family life – Nancy Tower is the picture of success.

A Fellow Chartered Accountant, Nancy is executive vice-president, business development for Emera Inc. A true community leader, she currently serves on the board of directors of Nova Scotia Business Inc., as well as the advisory council of the Dalhousie Corporate Residency MBA Program. She is a past member of the board of trustees of the QEII Foundation, and the board of

directors of CAA Atlantic and she is also the former chair of the Nova Scotia Institute of Chartered Accountants.

Over the years, Dalhousie has been the fortunate recipient of Nancy's time, talent and treasure, as she has continued to create vital awareness in the business community about our excellent programs, including the new Corporate Residency MBA. Always eager to support student initiatives, she is a valued partner for the Management Career Services (MCS) team in the Faculty of Management and has been integral in facilitating student corporate tours at Emera, championing corporate funding for the Jeux du Commerce case competition team and even offered her time as a prize for "Win a Day with an Executive."

Alumni Achievement Award

This award recognizes alumni for outstanding accomplishments in career and community service. Recipients demonstrate the true spirit of Dalhousie University and set an inspiring example.

William R. Crosbie (LLB'82)

Bill Crosbie has used his legal education at Dalhousie as a foundation for a long and distinguished career of public service as a distinctive and articulate Canadian voice in a troubled world.

Currently Canada's Ambassador to Afghanistan, he has earned a reputation for being one of Canada's finest ambassadors in one of

the world's most dangerous postings, speaking out against the corruption of the Karzai family and advocating for effective electoral reforms.

His steadfast commitment to the highest standards of his profession has informed his long career in public service during which he has served as policy advisor, executive assistant and chief of staff to ministers of Transport, International Trade and Fisheries and Oceans, as well as the Atlantic Canada Opportunities Agency. Over the years, he has also held a number of senior management positions including assistant deputy minister of Foreign Affairs and International Trade Canada.

Bill's principled and unselfish approach to public service on behalf of



Canadians here and around the world make him a worthy candidate for the Alumni Achievement Award.

Call for nominations

Help us celebrate by nominating a fellow grad for one of our 2012 Alumni Awards.

For further information, phone Allison Skelding at 902.494.2808 or 1.800.565.9969

Email: allison.skelding@dal.ca

Deadline for nominations is March 9, 2012

Alumni Events

Spring and Summer 2011

Christopher J. Coulter Young Alumnus of the Year Award

This award recognizes recent graduates for innovative accomplishments and notable contributions to society, the community-at-large or to Dalhousie.



Dr. Simon Gadbois

she came back to Canada in 2008, but the Afghan community still benefits from the skills she taught them and the advanced care they received under her service.

Today, Carolyn is dedicated to furthering her education and challenging others to look beyond the simple tasks of the day as she writes on work-life balance and other complex topics.

Award for Excellence in Teaching

The Alumni Association Award for Excellence in Teaching recognizes professors who take the art of teaching to an exceptional level. The award honours instructors who, in the eyes of students and teaching colleagues, display superior teaching skills, innovation and enthusiasm for the subject taught, and who demonstrate an exemplary attitude toward the needs and concerns of students.

Dr. Simon Gadbois (PhD'02), Department of Psychology

Simon Gadbois' passion for wild animals is matched only by his passion to teach about them. And it is that passion that has earned the senior

instructor of psychology and neuroscience Dalhousie's top prize for teaching.

While he's pleased with the award, he admits to being a bit baffled, too. Because along with teaching the second-year class, Animal Behavior, he also teaches a research methods course, a required class for psychology and neuroscience majors. "You don't win a popularity contest with this one," he says, describing himself as a straight-ahead lecturer, not a showman. "It's one of those classes no one wants to take."

And that makes it all the more challenging to teach. "Everything is in the examples and anecdotes," he explains, "including telling them about the mistakes I've made. When you're designing a research study, there's always that one variable you haven't thought of. Because, in neuroscience and psychology, we're not studying something that's static, that's just sitting there; we're studying something dynamic."

"The mistakes are where we learn," he says with a laugh. "Plus, you'll always get a good story."

Dalhousie alumni and friends around the globe reconnected over the spring and early summer months with lobster dinners, receptions and pub nights in **Toronto, Halifax, Truro, Chester, Bermuda, London, UK** and beyond. Special thanks to our volunteers who helped make these events possible.

Watch for events this fall in **New Brunswick, Charlottetown, St. John's, Montreal, Toronto** and **Ottawa**. For more information about alumni events, visit dal.ca/alumni/events or contact us at alumni@dal.ca or 1.800.565.9969. You can also keep updated by joining us on Facebook (facebook.com/dalumni) and LinkedIn (join the Dalhousie University Alumni group).

Don't forget: for many of our events, we send electronic invitations and we don't want you to miss out. Visit dal.ca/alumni/update or drop an email to alumni.records@dal.ca to update your contact information.



Photos: Law Alumni Dinner 2011, Chester Alumni Reception, Engineering Golf Tournament



Dr. Carolyn Watts (BSc'94, MD'98)

With her winning combination of skill, determination, compassion, intelligence and courage, Carolyn Watts has devoted much of her life to improving the lives of the most disadvantaged among us.

Known as a dedicated and caring student during her med school days, Carolyn was respected by both her fellow students and instructors, demonstrating, as she did, her leadership and support while challenging her peers to live for a higher calling.

After her studies, Carolyn served in a remote rural village in Afghanistan, serving a population of over 100,000. With single-minded determination, she spent almost five years working exhausting hours in adverse conditions in the care of obstetrical patients and newborns. For health reasons,

DAA 2011-2012 Board of Directors

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Governors representative

Barrie Black (BA'71, LLB'71),
N.S., executive vice-president
and Board of Governors
representative

Maurice Chiasson (BA'84,
LLB'88, MBA'88), N.S.

Steven Cote (BScK'00), Ont.

Leslie Crowell (BComm'90),
N.S.

Alexandra (Alix) Dostal (BA'98),

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Shaunda Wood (BScHE'91),

N.B., chair, scholarships and
awards

To contact the DAA board,
please email alumni@dal.ca

The Dalhousie Alumni Association: new year, new initiatives

With another Dalhousie school year underway and fall upon us, the Dalhousie Alumni Association is gearing up for an exciting and busy year. Earlier this year, the DAA Board articulated its vision for its ongoing work, which will drive its upcoming projects.

"We are really excited to build the most engaged, passionate and loyal alumni of any Canadian university," says Jim Wilson, incoming DAA board president. "We hope to achieve this by continuing to foster a culture at Dal of involvement, and lifelong friendships among students, faculty, administration, retirees and alumni that begins with a student's first contact with Dalhousie and extends throughout their lives."

To achieve this vision, the DAA board will be focusing on several priorities over the next year:

Communications and outreach:

We will work on enhancing the use of existing communications tools and exploring other forms of

electronic and social media to engage and connect alumni.

New alumni: We will strive to promote involvement and engagement among recent graduates, through expansion of the DAA board's successful mentoring program pilot and other events for new alumni and soon-to-be alumni.

Homecoming: The DAA board will continue to be actively engaged in Dal's homecoming event planning and execution, including encouraging alumni

participation in this exciting annual event.

Regional engagement:

We are seeking to foster engagement of alumni both inside and outside Halifax. To link alumni living outside of Halifax, a Toronto Dalhousie Alumni chapter has recently been launched and the DAA board plans to expand this initiative to other cities.

"We are really excited about our bold and ambitious agenda," says Wilson. "I am thrilled that we have such an active and engaged board that is making

great strides to implement our visions and plans for the upcoming year."

To lead these initiatives, DAA board committees have been struck and we are actively seeking volunteers for these committees. If you are interested in getting involved in any of the work of the DAA board, please email us at president@alumni.dal.ca or visit alumniandfriends.dal.ca/alumni_association.html.

Alix Dostal, communications and outreach chair, DAA



A DAA welcome to Dal's newest students: Jim Wilson and other members of the DAA hosted an ice cream sandwich social, as part of Orientation Week 2011.

Classnotes

1950s

1950

E. David Morgan, BSc, was awarded the honorary degree of doctor of science by Memorial University, in recognition of his scientific achievements, at Spring convocation in St. John's, N.L. He is emeritus professor, Chemical Ecology Group, Lennard-Jones Laboratory, School of Physical and Geographical Sciences, Keele University, Staffordshire, U.K.

1960s

1960

Don Gilkie, BSc, BEng'62 (NSTC), MEng'64 (NSTC), was inducted by the University of King's College Alumni Association into The Order of the Ancient Commoner. The designation recognizes his volunteer service to the university as a member of the Property, Grounds and Safety Committee since 2003. Presently, Dr. Gilkie is also chair of the President's Advisory Committee for the Restoration of the Lodge.

1965

David MacNeil, BEng (NSTC), MEng'67 (NSTC), received the honorary designation professor emeritus in computer science, recognizing his outstanding contributions during his career at the University of New Brunswick. During David's 21-year tenure as director of computing services, he became internationally recognized for building something that almost all of us use daily – the Internet. David served for seven years (two as chair) on the NATO Science Committee Panel on Computer Networks. He was a founding member of the board of directors of CANARIE, a federal government initiative to construct a world-class research network infrastructure throughout Canada and he was one of the original inductees to the Canadian Internet Hall of Fame.

1968

David G. Jones, BA, MA'73, following a province-wide election, was elected Ontario representative to the board of directors of the 175,000-member National Association of Federal Retirees (FSNA). He is currently based in Nepean, Ont.

1970s

1971

Judith Boss, MA (Philosophy), has published *Deception Island*, a suspense novel set in Antarctica, now available through *Amazon.com*. Judith also has five college textbooks with McGraw-Hill, two of which are among the top sellers in their field. Judith currently lives with her family in the woods of southern Rhode Island. When not writing or traveling to exotic places such as Antarctica to research her books, she enjoys spending time with her children, grandchildren, and corgi.

1972

Daniel MacLean Campbell QC, LLB, is the new president of the Nova Scotia Barristers' Society. A partner in the Halifax office of Cox & Palmer, Daniel has been a member of the Bar since 1972 and Queens Council since 1988. His practice is primarily in litigation relating to professional liability, but includes administrative law (regulated industries and competition law) as well as intellectual property and technology law. A founding director and former chairman of the Canadian Lawyers' Insurance Association, Daniel was also a director of the Lawyers Insurance Association of Nova Scotia (LIANS). He is chairman of the Trustees of St. Matthew's United Church, chairman of the Trustees of Victoria Hall, an honorary trustee of the Halifax YMCA, and chair of trustees for the Halifax YMCA Legacy Foundation.

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1973

Curtis Nordman, MA (History), has been busy since he left Dal in '72. He did his PhD at Oxford, taught in the college system in B.C. for a number of years, spent 15 years with the Province of Manitoba in various capacities (most recently heading up the College Expansion Initiative), and spent 10 years as dean of Continuing Education and director of the Centre for Learning Technologies at the University of Winnipeg. And while all this is ancient history, he says, Curtis was most recently appointed chair of the Council on Post-Secondary Education, the government body that oversees colleges and universities in Manitoba. Who says retirement is dull?

John Devlin, BA, BEDS'77, launched an art book of some of his architectural sketches in Cambridge, London and Nova Scotia in the summer of 2011. The website for the book is novacantabrigiensis.ca. Some of his sketches were also exhibited at King's College, Cambridge in June 2010. For more information, contact John or the editor, Lizzie Robinson, at novacantab@gmail.com

1976

Ingrid Dandanell, MLS, was the recipient of the Canadian Library Association's 2011 Canadian Association of Special Libraries and Information Services (CASLIS) Award for Special Librarianship in Canada. The award was granted in recognition of Ingrid's unique contributions to special librarianship with a focus on leadership in the area of government documents in academia at Queen's University and the University of Alberta, as well as the Alberta Legislative Library.

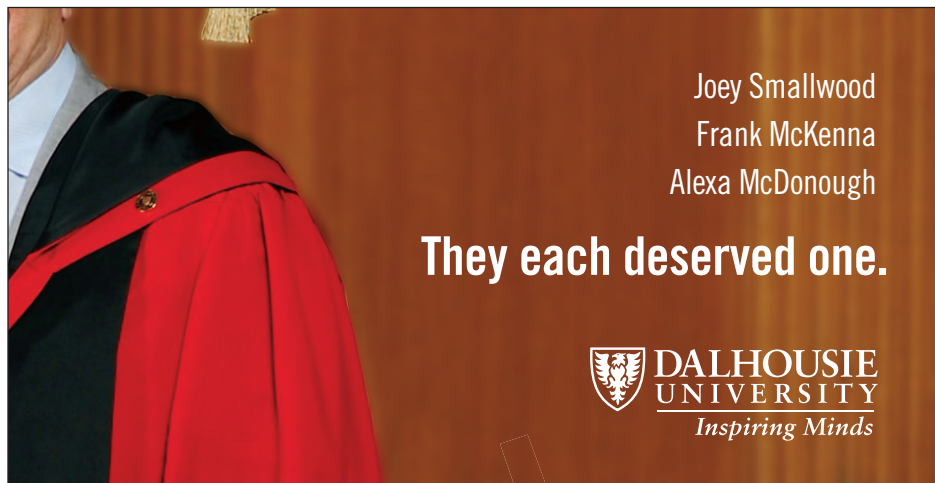
1978

John Desserud, BA, MA'81, has left the University of New Brunswick after 22 years to take up the position of dean of Arts at the University of Prince Edward Island. His appointment was effective July 1, 2011.

1990s

1991

Tim Daley QC, LLB, was appointed first vice-president of the Nova Scotia Barristers' Society. A member of the Bar since 1992, Tim practices with the firm GMPD Law in New Glasgow, N.S. He specializes in family law, criminal defence and civil litigation, with a particular focus on personal injury matters. Tim is heavily involved with the work of the society and serves on a number of its committees. His extensive volunteer experience also includes work with the Pictou County Bar Society, Big Brothers and Big Sisters, New Leaf and the Continuing Legal Education Society. He is a past president of the Pictou County YM/YWCA, and a founding member and current volunteer facilitator in the Parent Education Program for the Nova Scotia Family Court.



Joey Smallwood
Frank McKenna
Alexa McDonough

They each deserved one.



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Ernest Buckler
Alden Nowlan
Rita Joe

They each deserved one, too.

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1994

Sandra Simpson Nowlan, BEd, recently published her second cookbook, *Low-salt DASH Dinners*, based on the DASH (Dietary Approaches to Stop Hypertension) diet that has been proven to lower high blood pressure as effectively as medication. In this book, Sandra provides a collection of 100 illustrated recipes for simple, quick-to-prepare and tasty low-salt dinner dishes. This is a follow-up to her previous cookbook, *Delicious DASH Flavours*. Sandra and husband, John, continue to travel the world and write articles for major North American newspapers and magazines as members of the Travel Media Association of Canada.

Rene Gallant, LLB, was appointed second vice-president of the Nova Scotia Barristers' Association. Called to the Bar in 1995, Rene is general manager, Regulatory Affairs, with Nova Scotia Power Inc. Prior to joining NSPI in 2005, he was general counsel for the Halifax Regional School Board and an associate at Patterson Palmer. Currently on the board of directors for the Canadian Partnerships Against Cancer, Rene is past chair of the Canadian Cancer Society National Board of Directors and also served as a board member for the National Cancer Institute of Canada and the Canadian Cancer Society, Nova Scotia division.

1995

Kate Moran, PhD (TUNS), is the new director of the NEPTUNE Canada Ocean Network, the world's largest and most advanced cabled ocean network. A world-renowned ocean engineer, who is completing a two-year term as assistant director in the White House Office of Science and Technology Policy in Washington, D.C., Kate started her five-year term with NEPTUNE Canada in September. She succeeds founding director Dr. Chris Barnes, who retired on June 30.

1996

Kristen Eckland, BA, has published two new books. *The Thoracic Surgeons: Bogata, Colombia* is an in-depth look at the thoracic surgeons, their history and practices. The second book, *Bogota! A hidden gem guide to surgical tourism*, is a guide for medical students. Both books are available at Amazon.com

2000s

2007

Robert Richler, LLB/MBA, and Betsy (Miller) Richler are thrilled to announce the birth of their first child, Natalie Erin, born June 26, 2011 in Toronto.

Spotlight

AS YOU LIKE IT

If you had to choose one person to study in the whole English canon, William Shakespeare is your man, says Stephen Marche (BA'97). In his new book, *How Shakespeare Changed Everything*, he declares Shakespeare to be the most influential person who ever lived.

He's not short of evidence, but incredibly, Dr. Marche may be the first to claim this title for the bard of Avon.

In the book, Dr. Marche turns a mountain of history into a breezy, thoughtful read, spinning a far-reaching web of influence over the last 400 years.

Proof ranges from the fanciful – who knew Grenadine islanders recited passages from Julius Caesar every Shrove Tuesday – to the linguistic – Shakespeare's invention of over 1,700 words and countless quotable phrases.



Each chapter tells a story that demonstrates the playwright's cultural impact, from how he created the first teen-agers; to inspiring Abraham Lincoln's murder; to improving our sex lives, all the while managing to remain unknowable as a man.

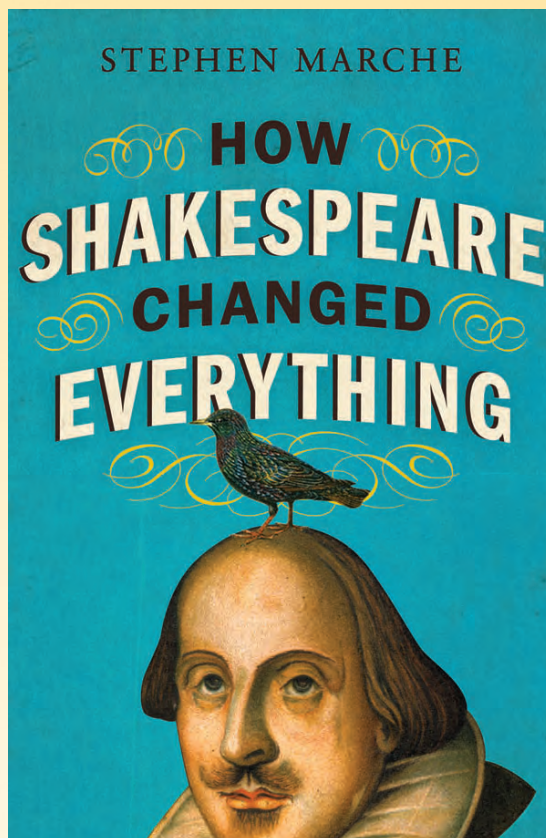
Dr. Marche studied English and contemporary studies and recalls a great Shakespeare class with Ron Huebert.

When he immersed himself in Shakespeare's world during his PhD, what a strange world he discovered it to be.

"You don't have to go far for these crazy Shakespeare stories," he says. "Actually, it turns out Shakespeare produced a lot of very eccentric people who have been very obsessed with Shakespeare."

The plays are "very easy to get obsessed with," he admits. "When I left being a professor, the one thing that was a little sad was leaving Shakespeare behind."

Dr. Marche left teaching at the City College of New York for Toronto when his wife, Sarah Fulford, became editor of *Toronto Life*. Having already written two novels, *Raymond and Hannah* (2005) and *Shining at the Bottom of the Sea* (2007), he decided to pursue writing full-time.



I used to teach Shakespeare in Harlem, at the City College of New York. I loved both the job and the neighborhood.

I ADORED THE STUDENTS I WAS TEACHING, TOO. It's not every university where THEY ATTEND CLASS EVEN WHEN THEY'RE LIVING OUT OF THEIR CARS.

Currently, he writes a wide-ranging monthly column called "A Thousand Words About Our Culture" for *Esquire* magazine; and in 2012, he will have a new novel out with Gaspereau Press.

"Every writer's fantasy, right? It's one of these accidental tourist things," he says, almost bashful about his success.

To abuse another phrase from the Bard, right now the world appears to be Stephen Marche's oyster.
Andy Murdoch

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InMemoriam

Roger Greer, (Pharmacy), Kentville, N.S., on February 6, 2011

Arthur St. Clair Goudge Grant, BSc'37, MSc'38, Mahone Bay, N.S., on June 17, 2011

Ruth Woodford (Graham) Ballem, BSc'41, Halifax, N.S., on May 30, 2011

Grace Muriel (Burris) Henry, BA'42, Upper Musquodoboit, N.S., on May 8, 2011

Barbara Louise (Sieniewicz) Kincaide, BSc'44, Toronto, Ont., on May 8, 2011

Frederick Leonard Akin, MD'45, Windsor, N.S., on April 15, 2011

Donald Forbes Messervey, BEng'46, Thornhill, Ont., on April 10, 2011

Robert Murray LeLacheur, MSc'47, Reading, Pa., on June 27, 2011

Allan Emrys Blakeney, BA'45, LLB'47, LLD'81, Saskatoon, Sask., on April 16, 2011

Phyllis Jean (Margeson) MacDonald, LCMUS'48, Halifax, N.S., on July 2, 2011

William Campbell Durant, BEng'48, Peterborough, Ont., on June 9, 2011

Philip Rupert Spurr, BComm'49, Weston-Super-Mare, U.K., on May 8, 2011

George Dwight Stoughton, LLB'49, Bloomfield, Conn., on June 1, 2011

Ronald Farquhar Johnson, BEng'49, Stittsville, Ont., on June 6, 2011

James Benjamin Morrow, BEng'50, DEng'79, Lunenburg, N.S., on May 4, 2011

Malcolm Cameron, BSc'50, MSc'51, Halifax, N.S., on August 10, 2011

Norman Fulton Stewart, BEng'51, Charlottetown, P.E.I., on July 9, 2011

Theodore Ellerson Tibbetts, BSc'50, DED'52, Parrsboro, N.S., on June 6, 2011

Eric Walter Spurrell, BEng'52, Richmond, Va., on May 13, 2011

Carl Joseph Mader, MDC'54, Silver Lake, Ohio, on April 22, 2011

Donald Reginald Ritcey, BEng'50, MEng'54, Burlington, Ont., on June 7, 2011

Leonard Robert Denton, MA'54, Dartmouth, N.S., on June 21, 2011

James Gordon Fogo, LLB'54, Nepean, Ont., on August 4, 2011

Marion Gordon (Stuart) Myers, BA'55, Fall River, N.S., on April 10, 2011

Donald Dale Dickie, BEng'55, Oakville, Ont., on April 20, 2011

William Andrew Clarke, BEng'55, Unknown, on May 19, 2011

Robert Ervin Jay, BEng'56, Bedford, N.S., on July 30, 2011

Earle Leroy Reid, MD'57, Halifax, N.S., on May 26, 2011



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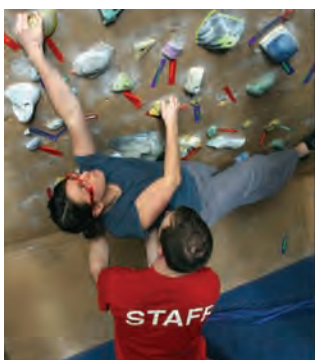
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Wilma Jean Forsyth, BA'56, BEd'57, Victoria, B.C., on April 21, 2011
Paul Gardner Kennedy, BSc'56, BEng'58, Gold Hill, N.C., on August 3, 2011
Ella Mary (MacLean) Morris, DTSN'58, Windsor, N.S., on June 11, 2011
B. Downey Grover, MD'60, Avonport, N.S., on July 12, 2011
Jessie Marina MacLeod, DPH'61, Halifax, N.S., on August 12, 2011
Peter Charles Patrick Aucoin, MA'66, Halifax, N.S., on July 8, 2011
Ewan Sutherland Clark, BA'65, BEd'67, New Westminster, B.C., on June 23, 2011
Nancy Louise Goucher, BA'66, BEd'67, Halifax, N.S., on June 11, 2011
George Thomas Kent, BEng'67, Bridgewater, N.S., on April 15, 2011

Janet Louise (Teasdale) MacConnachie, BEd'68, Dartmouth, N.S., on June 26, 2011
Rose-Marie Brine, DPH'56, DNSA'69, Fredericton, N.B., on July 21, 2011
Alexander Howard Murray, MD'70, Halifax, N.S., on July 15, 2011
Frank Subrt, PGM'73, Halifax, N.S., on June 3, 2011
Deborah Louise Zinck, BPE'74, Dartmouth, N.S., on August 4, 2011
Kenneth James Alexander Brookes, BComm'72, LLB'74, Phuket, Thailand, on August 10, 2011
Marcelle Gai Thomas, MSc'78, Halifax, N.S., on July 27, 2011
Norman Alexander McNaught, BA'76, BEd'78, Bridgewater, N.S., on July 2, 2011
Richard Norman Penny, BSc '75, BEng'78, Dartmouth, N.S., on June 9, 2011

Roger Alan Baranowski, MBA'79, Lynnfield, Mass., on May 27, 2011
Sybil Whitman, MA'80, Fredericton, N.B., on August 4, 2011
Grant MacGregor Ross, BEd'80, Halifax, N.S., on April 30, 2011
John Gregory Regan, BPE'81, Dartmouth, N.S., on June 9, 2011
Kenneth Allan Joseph Neil, BSc'75, PHD'81, Kentville, N.S., on July 5, 2011
Douglas John Randlett, MBA'82, Long Sault, Ont., on June 16, 2011
Robert Walter Carmichael, BComm'79, LLB'82, Halifax, N.S., on April 29, 2011
Arthur Brendan Curley, LLB'82, Charlottetown, P.E.I., on March 15, 2011
Anthony Joseph Power, BEng'83, St. John's, N.L., on March 16, 2011

Spotlight

BRINGING OCEANS COMMUNITIES TOGETHER

38 DALHOUSIE MAGAZINE

At the helm of the United Nation's efforts to provide guidance in the management of the planet's oceans you'll find Dalhousie graduate Wendy Watson-Wright.

Dr. Watson-Wright (BPE'76, MSc'80, PhD'86) is the assistant director general and executive secretary of the Intergovernmental Oceanographic Commission of the United Nations Educational, Scientific and Cultural Organization (IOC-UNESCO).

Headquartered in Paris, IOC-UNESCO promotes international cooperation and coordinates programs in marine research, services, observation systems, hazard mitigation and capacity development. The goal is to better manage the nature and resources of the oceans and coastal areas.

"Every country, whether on the ocean or not, is affected by the ocean," says Dr. Watson-Wright. "The IOC's role is to bring

the 141 member-states together and try to reach consensus on how to move forward together on the many issues facing the ocean and ocean science."

In Halifax this past June for the launch of the Halifax Marine Research Institute, Dr. Watson-Wright was very impressed with the new venture.

"I don't know many places in the world that have a centre that brings the ocean scientific communities together," she explains. "For (the IOC) as global conveners, having a point of contact bringing together the various elements of ocean science,

technology and industry makes it easier for us to access that community."

She is well positioned to put such global ocean-related efforts into perspective and also judge the state of the oceans. She says there are very real issues facing its health.

One problem, according to Dr. Watson-Wright, is that many people don't realize the damage being done to the ocean, especially those living far from it.

"We need to protect it – there are good news stories and we need to look for best-practices and adopt them to come up

with solutions. We'll need to persevere and we can."

She advises students in ocean-related studies: "There are many issues and aspects you can look at, from natural science, coastal issues, social science to law and policy."

"How can someone not be passionate to be working on the ocean? You feel like maybe you're making a difference."

With her work at IOC-UNESCO, it's safe to say, she is.


Billy Comeau



Kenneth Robert Bruce Simpson, BA'81, BAHC'82, MPA'84, Halifax, N.S., on April 17, 2011
Kathleen Margaret Heller, BA'79, MA'86, Halifax, N.S., on June 20, 2011
David Gordon Connolly McCann, BSc'83, MD'88, Dundas, Ont., on August 8, 2011
Alan Henry McCluskey, BSc'81, DDS'88, Truro, N.S., on July 26, 2011
Des Cousins, BEng'68, DMET'88, St. John's, N.L., on July 10, 2011
Robyn Deidre (Dittler) Martin, BScN'92, Shelburne Co, N.S., on July 19, 2011
Melanie A. O'Neill, BSc'96, PhD'01, Burnaby, B.C., on July 26, 2011
Shera L Falke, MES'02, Stony Plain, Alta., on April 22, 2011
Kutobe Mbi Tshabang, BEDS'03, MARFP'05, Halifax, N.S., on May 16, 2011


OUR APOLOGIES

to the family and friends of **Verdon Conrad**, whose name erroneously appeared in the Spring 2011 In Memoriam section of *Dalhousie Magazine* as Vernon Conrad. Verdon is alive and well and living in Dartmouth.



Marq de Villiers
The Hon. Justice Murray Sinclair
Timothy Bliss

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theBackstory

THE FLIP SIDE

NAME Jody Crane

HOMETOWN Cole Harbour, Nova Scotia

POSITION Instrument Technician (Heat and Ventilation Controls),
Facilities Management

PASSION High-end audio equipment

EARLY TRACKS Jody grew up surrounded by music, his parents
always playing records by the likes of Charlie Pride, Paul Anka,
Buddy Holly and Elvis.

HIGH FIDELITY Jody got his first sound system from the Sears
Bargain Basement by the time he was nine.

PLANET OF SOUND Jody's company, Brooklyn Audio, operates out of
his home in Dartmouth, and he sells worldwide via a website, with
customers in Australia, Tokyo and El Salvador.

MONEY High-end audio isn't cheap: Jody has some customers
who've spent upwards of \$100,000 with him over the years. As for
the sound system in his own personal music room, Jody estimates
its value at \$75,000.

INTO THE GROOVE Left for dead in the CD age, vinyl is making a
comeback. "A vinyl record is tangible. You can hold it, pick it up,
read the liner notes, play with the extra stuff in the packaging.
Records are fun. That's why you could be a record collector. I've
never heard of anyone being a CD collector."

YESTERDAY'S WINE He compares audiophiles to wine aficionados.
"Connoisseurs go deeper: they taste shades, overtones, the fruit.
As for audiophiles, it's what they hear: things like imaging, voice,
the sound staging."

GREATEST HITS Jody owns close to 5,000 records, and he confesses
that he doesn't keep close tabs on how much he spends on a
regular basis. "I'm not sure I'd want to know," he laughs. His
favourite record? Probably Pink Floyd's *Dark Side of the Moon*, of
which he owns 23 copies on vinyl, each of them different.

Researcher: Ryan McNutt



Photos: Nick Pearce

Find the derivative

$$\frac{g(x+h)-g(x)}{(x+h)-x} = \frac{g(x+h)-g(x)}{h}$$

$y = g(x)$
Secant Lines

$$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$

$$\begin{aligned} f(x) &= \lim_{h \rightarrow 0} \frac{(x+h)^2 - x^2}{h} \\ &= \lim_{h \rightarrow 0} \frac{x^2 + 2xh + h^2 - x^2}{h} \end{aligned}$$

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DAL AND THE GAGNIERS: GREAT CHEMISTRY

When Janet and Lonnie Gagnier met at Dal over 30 years ago, they sparked a chain reaction that continues to be felt to this day. After graduating (BScPharm'79), they married ('82), opened a pharmacy ('88), have employed dozens of pharmacy grads, and now have four children studying at Dal. To celebrate their unique bond to Dal, the Gagniers turn to the Dalhousie Bookstore for the latest Dal fashions and accessories – it's a great mix.

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