

Dalhousie

M A G A Z I N E



AN ECONOMIC
ENGINE

SAGE
ADVICE
ON FAMILY
BUSINESS

CALLING OUT
AROUND THE
WORLD

GOT
game

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In her final moments, Betty Eisenhauer was still chuckling about the boxer short raid of 1943.

Her bequest to Dal reflects her sentiments.

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Dalhousie

MAGAZINE



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 **DALHOUSIE UNIVERSITY**
Inspiring Minds

Student Marti Marien took this wintry image of the Halifax North Commons 'Oval'.



Come together

A slick patch of ice on the Halifax North Commons is captivating the local community as I write during the build up to the Canada Winter Games 2011. 'The Oval' has entered our lexicon. That's the nickname for the 400-metre outdoor skating track. Haligonians of all ages and abilities are turning out in droves to enjoy themselves. A pond skater from way back, I was enchanted by gliding into a new year on skates.

The momentum has spread to campus. Dalhousie is a proud community sponsor of the Canada Games. We caught up with some of the many Dal volunteers who are helping. Our hearts will be with our student-athletes as they strive to achieve personal bests in competition. (See "Game faces," Pages 4-5).

New facilities, a higher profile and a boost for business will leave a legacy. That business community is top of mind for Jeff Forbes. He shares his perspective on the university's impact as the chair of the Halifax Chamber of Commerce (See "The pursuit of growth and prosperity," Pages 14-15). Successful family-owned businesses are a vital link in the prosperity of this region. In the Faculty of Management, we're tapping into the wisdom behind the surnames (See "Family matters," Pages 12-13). Economist Lars Osberg ponders the value of a comprehensive, research intensive university for the surrounding community (See "An economic engine," Pages 10-11).

More than ever before, students from around the world are making Halifax a second home while choosing to study at Dalhousie. They share our Maritime way of life and bring along talents and energy (See "Internationalizing the university," Pages 16-19).

Just as Dalhousie's demographics are changing the face of the Halifax community, so too will the university's new campus plan. Redesigning University Avenue as a pedestrian friendly destination is one notable idea. In our last issue, we described the opening of the Mona Campbell Building, designed by Fowler, Bauld and Mitchell Architecture. Catch a glimpse of some more changes we may see in future (See "Developing a sense of community," Pages 20-23).

To come full circle – or Oval – we're proud to share a wintry image taken by first-year student Marti Marien at the nearby Halifax North Commons.

Skate on!

Amanda



Photo: Danny Abriel



Lars Osberg is a University Research Professor and the McCulloch Professor of Economics. Dr. Osberg's current research includes the measurement of economic well being.

Eleanor Beaton is an award-winning writer and communications consultant based in Windsor. Her first book, *Offshore Dream: Building Nova Scotia's Oil and Gas Industry*, co-authored with Jim Meek, was published by Nimbus. Visit www.eleanorbeaton.com



Marie Weeren was inspired by the courage, adventurous spirit and self-awareness of those she interviewed for "Internationalizing the university." Marie owns 10th Floor Solutions.

Peter Murchland (MEC'03) is an award-winning marketing and communications professional who has worked in the public and private sectors in Halifax for 16 years.

Writing about Dalhousie's campus plan inspired Ryan McNutt to start a forward-looking plan for his own life. Best intentions stilled when the holidays brought Springsteen's Darkness on the Edge of Town.



Susan R. Eaton (BSc (Hon)'80) is a geologist, geophysicist, freelance writer, and "extreme" snorkeler who lives in Calgary, Alberta. Visit: www.susanreaton.com

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Charlotte Butcher is a first-year community design student.

Reading, writing and airdogs

So, to start off, my name is Charlotte Butcher; I'm from the very small village of Port Williams in the Annapolis Valley, N.S. It might be small, but it's only a half hour drive to the closest hill, Ski Martock, where I first learned to ski. I was four years old at the time, with little awareness of my surroundings. I say this mostly because otherwise I clearly would have chosen snowboarding at the beginning! Eventually, around the time I turned 13 years old, I switched to snowboarding and haven't looked back.

Right now, I'm six years into riding and I've really only begun to get into competitions. I competed in my first few events in the winter of 2009 and that experience allowed me to become much more comfortable with the competition atmosphere. After that, in the winter of 2010, I competed in as many slope style, free style and half pipe competitions as possible. I ended up absolutely loving it, especially the all-girls events.

After graduating from high school in 2010, I made the studious decision to attend Dalhousie for the 2010-11 year. I was accepted into a great program, Community Design, and

I needed to prove that I wanted that spot on the Canada Games team.

it's awesome so far. I'm loving Planning 1002, which is design-based and focuses a lot on drawing. All of these 'rest of your life' decisions were made before I even knew that I was going to be in the

running for the Canada Games. My coach Natasha Burgess (BSCK'07) asked in mid-fall if I would be up for the training to potentially be in the games competing in half pipe. This obviously was not a tough decision for me and I got 'on board' right away. Once I knew that I was going to be spending a lot of time training, I chose a reduced course load during the second semester to better balance riding and reading.

Training for an event such as this involves a lot of intensely physical 'dry land' and 'on snow' training. The gym is definitely not my favourite place in the world, but I've got faith that the cardio and endurance training is going to pay off. I've just started trampoline training and my teammates and my coach have helped me a lot. During practice I use a 'tramp board,' which acts as a regular snowboard but is much lighter and easier to manoeuvre on the trampoline. It was an unreal experience at first, but I can tell that it has already improved my riding. As for the snow training, we currently meet at the hill twice a week for about three hours to ride.

All this training was the buildup to a trip to Calgary at the end of January, where I needed to prove that I wanted that spot on the Canada Games team. It was pretty intimidating but exciting at the same time.

It's a short trip from home to Ski Martock, but it was a long route to come back as part of the Canada Games team. I am so stoked at the fact that the games are in my home province – and really, my hometown – and that I have the opportunity to be a part of this national competition.

Upfront on campus



David Westwood

Game Faces

Did someone whisper, “Build it and they will come” in Halifax Mayor Peter Kelly’s ear? Hard to say.

But when the city opened a temporary skating track for Canada Games competition, it invited the public to try it out in advance of the athletes. Did they come? Did they ever!

People have turned out by the thousands – Dal students between classes, professionals on their lunch hour and families with kids – to skate on the 400-metre refrigerated loop in the open air. Skates are flying off the shelves at sporting stores; companies have made offers of corporate donations before being asked; and the city is pumped for the Canada Games which will see 3,500 athletes and coaches converging on the province from February 11 to 27.

Making sure everything runs as smoothly as the ice behind the Zamboni is a team of more than 5,000 volunteers.

David Westwood, associate professor of kinesiology with Dalhousie’s School of Health and Human Performance, and Asa Kachan, Dalhousie registrar, are some of

those volunteers. Pumped about the games because of its focus on physical fitness and the new and revitalized facilities it will leave behind, Dr. Westwood – an avid squash player and expert in hand-eye coordination – is overseeing squash competition at the games. As for Ms. Kachan, she signed up to help organize the long track speed skating competitions at the Canada Games Oval before anyone really knew how much of a community focal point it would become.

“When the organizing committee began its work a year ago, we did so with the belief that the oval would be temporary. To now imagine that it might stay is very exciting,” says Ms. Kachan.

Hosting the Canadian Masters Championship and a Canada Games test event in January gave the volunteer crew an idea of what to expect and now they’re keen to get rolling.

“Lots of us have busy jobs and busy families, but finding time to volunteer is important in building a strong and vibrant community. Seeing skaters on the oval, and hearing the participants and officials from the test event praising Halifax – it feels very rewarding.”

Dal student Evan Taras got a taste of that excitement too during the recent trials to pick Nova Scotia’s speed skating team for the games.

“With fans in the stands, you automatically want to go faster,” says Mr. Taras, a first-year student from Waverley, N.S. He hadn’t tried long track speed skating until the oval opened in December and made the team a month later.



Mallory Coughlin

Allison Balan

Lauren Morse

"I think if the oval stays we'll be able to develop the sport. I mean, you look at the times the athletes from Alberta are doing ... and that's because they have the Olympic Oval where they can train and improve."

Meanwhile, Dal students Allison Balan and Mallory Coughlin are among the first to dip their toes in the competition pool at the Canada Games Centre, a \$45-million athletic complex which also includes a field house, three full-sized gymnasiums and a 200-metre indoor track. The centre has been long awaited by people who live near the Mainland Common and hundreds turned out for the ribbon-cutting ceremony. During the games, the centre will be the venue for artistic gymnastics, badminton and synchronized swimming.

The chance to compete in front of a hometown crowd was what brought the two Halifax students, partners in the duet, back to synchronized swimming.

"I thought I was done," says Ms. Balan, a second-year kinesiology student, as Ms. Coughlin, who is studying neuroscience, nods in agreement. **"We'd competed at the 2007 games in Whitehorse and that was an awesome experience, so we thought, 'well wouldn't it be amazing to have that experience right here in our hometown?'"**

The Canada Games promises to bring prominence to sports like synchronized swimming, archery, badminton and ringette that don't often get the spotlight. In the case of ringette, Dal students Lily Barton, Krista Vey and Lauren Morse are thrilled to bring their sport on a national stage as part of Nova Scotia's ringette team.

With its equipment and player numbers, ringette may look like hockey on the surface, but the similarities end there. Ringette players tend to compare their sport to lacrosse or basketball – sports where possession is key.

"People think it's hockey for girls, but it's faster, more technical," says Ms. Vey, a first-year engineering student from Sackville, N.S. "We play it because we grew up with it and we play it because we love it." *Marilyn Smulders*



Krista Vey

Lily Barton

Photos: Nick Pearce



Scoring a record for Academic All-Canadians

Parents, professors and friends had much to celebrate during an annual luncheon recognizing the accomplishments of 96 student-athletes named as Academic All-Canadians.

Canadian Interuniversity Sport (CIS) sets the standards – students must maintain an average GPA of 80 per cent while belonging to a varsity team.

First-year medical student and former varsity basketball player Alex Legge has been named one of the Top 8 Academic All-Canadians across Canada.

A native of Mahone Bay, Ms. Legge was a stand-out player for the Tigers women's basketball team for the past four years. At the same time she finished her undergrad degree in neuroscience – with a 4.27 grade point average.

"I think I thrive on a little bit of stress and being really busy. I'm much happier constantly being productive and having things to do," says Ms. Legge.



Exploring one of Earth's last frontiers

Pete van Hengstum is something of a scuba-diving cowboy.

Exploring underwater caves in Bermuda has uncovered new information about sea levels and climate change throughout Earth's history.

"I suspected information about climate and sea levels was preserved in the underwater caves that no one really knew about before," says Dr. van Hengstum, 28, who has just completed his PhD in Earth Sciences at Dalhousie.

With a labyrinth of more than 150 limestone cave systems boasting impressive stalactites and stalagmites, Bermuda's caves are fascinating and strange places to behold. Contained in the mud are foraminifera, many thousands of species of single-celled organisms no bigger than a grain of sand. Captured in the fossil record, foraminifera provide evidence of past environments.

A glacial process at the best of times, Dr. van Hengstum managed to complete his PhD in a relatively speedy 26 months, and has joined the Woods Hole Oceanographic Institute.

"A challenge of working with new science is that no one has ever done this before," says Dr. van Hengstum, from Port Colborne, Ontario. **"But here at Dalhousie, I was always welcome to debate and work out ideas with my mentors. I never felt alone here; the faculty members were very supportive and enthusiastic."** *Marilyn Smulders*

All in a Day's work

What do you get for the guy who has everything? Here's an idea – how about an enduring legacy in the form of a \$1-million scholarship fund to benefit Dalhousie students?

That's what Sir Graham Day's friends did, getting together and chipping in to create the endowment. The first Sir Graham Day Scholarships in Business will be awarded to undergraduate and graduate students in the Faculty of Management this fall.

"God bless them all," says Sir Day, on the phone from his home in Hantsport, N.S., who also contributed to the fund.

The scholarship fund was instigated by John Bragg, president of Oxford Frozen Foods and chairman of EastLink Cable Systems and Bragg Communications Inc. The Nova Scotia businessman is a big supporter of universities in the Atlantic region.

"When Graham came back to Nova Scotia from England, he was very helpful to family businesses by serving on boards and giving advice," explains Mr. Bragg, who was awarded an honorary degree from Dalhousie in 2008. "So I thought this was something we could do for him."

Creating scholarship endowments is something Mr. Bragg done before; one for law students in remembrance of the late Halifax lawyer J. William Mingo and one for medical students in the name of Dr. John Hamm, former Nova Scotia Premier.

"So the donors raised the money and we left it to Graham to decide how the money would be used," says Mr. Bragg.

For his part, Sir Day says the scholarship in his name was a clever way to deflect attention away from Mr. Bragg's own generous philanthropy. "Let's just say I was a useful vehicle for him to achieve the results he wanted," he says with a wry laugh. "I've observed over the years that he's incredibly persuasive and difficult to say 'no' to."

A Dal law grad (1956), former professor in the School of Business Administration and Dalhousie chancellor from 1994 to 2001, Sir Day decided he'd like the scholarships to support students in the Commerce, Management and Corporate Residency MBA programs by subsidizing their work experience placements required by their programs. In particular, the scholarships will go to students doing course work or related work terms in the areas of family business, transportation or business-government relations.

A great believer in the value of hard work, Sir Day is interested in supporting students who work while they're in university. Growing up in Halifax's north end, he attended university on his own dollar and tenacity, working nights and weekends selling shoes at Simpson's. He recalls catching the number-five trolley from Dal to the west-end department store.

"I think it's healthy to work. I think it matures individuals and helps them to figure out what they want to do when they graduate," he says. "When you're on your knees fitting shoes, you get an interesting view of the world."



Portrait of Sir Graham Day (detail) by Susanne MacKay Kaplan



Francis Lillian Fish (LLB'18) was the first woman to be called to the Nova Scotia Bar in 1918. She's been recognized by a portrait on the **Wall of Firsts** at the law courts on Lower Water Street in Halifax. (Archives & Special Collections, Harriet Irving Library, UNB)

Mapping global air pollution

Little motes billow into our atmosphere every day. They pump out of car exhausts and coal-fired factories. Hot desert winds blow them into the air. They form chemically as forest gases rise into the sunlight. All are potentially dangerous to our health.

For the first time, we have a map showing long-term global levels of fine particulate matter. It was produced by researcher Randall Martin and doctoral candidate Aaron van Donkelaar, both from Physics and Atmospheric Science.

Fine particulate matter, also known as aerosols, measure less than 2.5 microns in diameter – about a third the size of a red blood cell. The map provides critical information for health researchers, because aerosols are small enough to get past the body's defenses.

"The impacts are potentially quite high for the quality of human life for a lot of people," says Mr. van Donkelaar.

"It's been exciting for us to start developing linkages between atmospheric science and the health community," says Dr. Martin, who leads the Atmospheric Composition Analysis Group.

They are working with Health Canada to map levels of fine particulate exposure across the country. Together with a World Health Organization project, they are continuing to examine links between air pollution and health.

Andy Murdoch



Photo: Danny Abriel

A 'lost boy' finds his home

They're called the Lost Boys of Sudan – children who were wrenched from their families in one of Africa's cruelest civil wars.

And so it was for Madut Majok, 31, who is finishing his master's degree while working as a policy analyst for Citizenship and Immigration Canada in Ottawa.

From rural south Sudan, he was just eight years old when he was separated from his family and marched from one refugee camp to another, eventually landing in Kakuma Refugee Camp in Kenya. Camp school gave him a focus and a way out. He applied to the World University Service of Canada's Student Refugee Program in 2001.

And so the former Lost Boy found a place he could call his own.

"I had tremendous help and tremendous relationships," explains Mr. Majok, over the phone, during his lunch break at his job in Ottawa. **"Halifax, I call my hometown. Dalhousie is my community."**

At first, everything was strange and overwhelming. "I remember one night, I went back to Howe Hall wondering if I could pass. I could barely understand the accents," says Mr. Majok. "Would I ever catch on?"

He took his concerns to his economics professor, Michael Bradfield, who has since retired.

"He asked me to sit in front of the class. He told me to interrupt him if I needed clarification and to follow him to his office after the lecture if I still didn't understand," says Mr. Majok. "Most importantly, he told me to form my own opinion about what was said in class. He gave me a lot of his time and it made me so keen to learn much more."

Other students helped him fit in. They showed him around the campus, how to sign out books at the library, how to type.

With the guidance of then-WUSC faculty advisor Peter Wallace, he got a job at the Killam Library. At graduation, a contingent of librarians whooped and cheered.

"Getting that degree is the pinnacle," says Mr. Majok (BA'06), who majored in International Development Studies and Political Science. "I went to primary school but the dream of going to university was not there for me.

"And I think of these students at Dalhousie, raising money and helping out so someone like me has a chance. I would say I am very lucky."

Marilyn Smulders

Upfront on campus

How much do you eat in a day?

Now consider this on a global scale. How much do we collectively consume and what are the environmental impacts of our food choices?

Nathan Pelletier and Peter Tyedmers, of the School for Resource and Environmental Studies, examined consumption and production in food systems, particularly the livestock industry.

“Food is a really unique area of consumption in that we have a great deal of control over what and how much we choose to consume,” says Dr. Pelletier, a self-described “foodie” and an ecological economist.

“Forecasting potential global environmental costs of livestock production 2000-2050” was published in the *Proceedings of the National Academy of Sciences of the United States of America*.

The authors were able to estimate the potential environmental impacts for a 50-year period from 2000-2050.

The news is not great. Conservative estimates suggest the global production of livestock will double in the next 50 years. It is estimated that this industry will account for 72 per cent of humanity’s total safe operating space for greenhouse gas emissions, 88 per cent for biomass appropriation and nearly 300 per cent for reactive nitrogen mobilization.

Although the authors stress that a total switch to lower-impact protein sources such as poultry or soybeans is unrealistic, even a marginal decrease in livestock production would help to reduce environmental impact.

So next time you’re in the grocery store, consider your food choices. The planet will thank you.
Mel Hennigar

Moving on

Pencil sketches of street life show its harshness: the loneliness of soliciting and the monotony of begging.

Just hold that thought and turn the page of *Leaving the Streets* by Jeff Karabanow, Alexa Carson, Phillip Clement and Katie Crane.

The artist reflects musical talent, as a street youth plays guitar while panhandling. It’s a powerful tribute to the creativity of a population that is often overlooked.

“The notion of creativity equals survival. This is how to build resilience and coping and it’s how we propel ourselves to different places,” says Dr. Karabanow, of Dalhousie’s School of Social Work.

Leaving the Streets is the result of a participatory, community-based project covering six regions across the country.

“We want to understand the issues and the role of civil society in this process of exiting street life because there are difficult layers,” says Dr. Karabanow. “To say ‘good-bye’ to support systems that held your hand – through overdoses, being kicked out of places, after breakups, while panning – that builds tight bonds.”

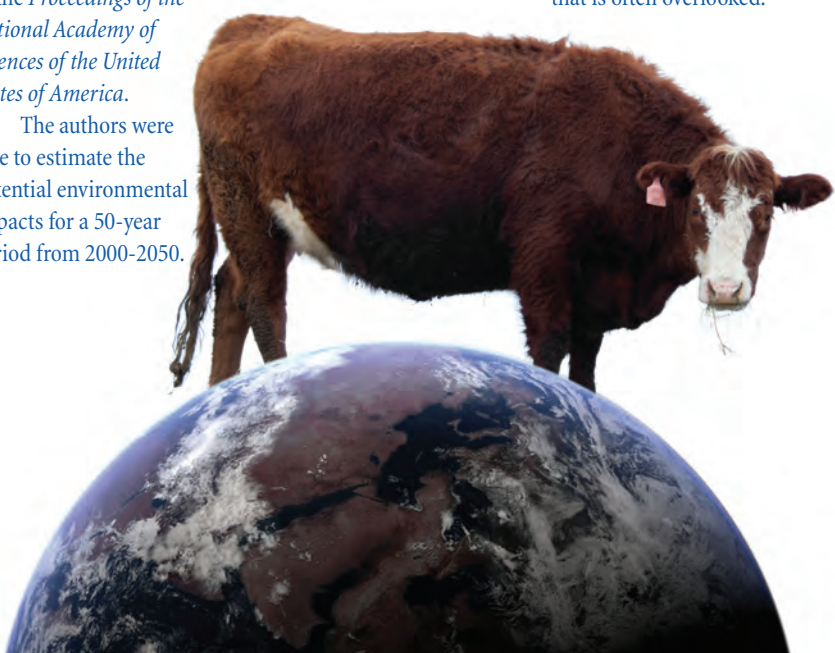
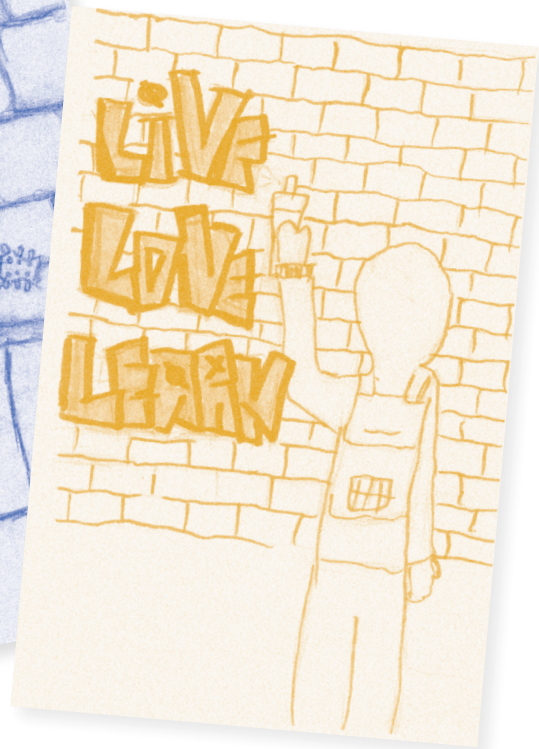
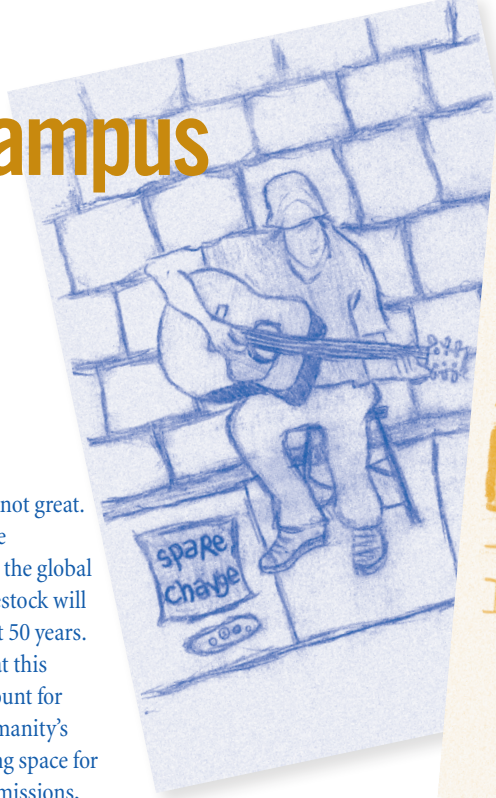
At the heart of a major transition is a profound act of imagination. That’s the first step to moving away from street life. It’s necessary to visualize a different identity, being in a different place spatially and emotionally.

Dr. Karabanow describes existing mainstream systems as a patchwork of services such as detox, group counseling, housing issues or help with leases and landlords.

“We need to have a better approach,” he says.

In French, there’s a notion of *entourer* which roughly translates as easing into a new existence by enwrapping and supporting.

While it is less often discussed, society benefits too. “The economic benefits are evident, a healthier population doesn’t overwhelm services,” he says.
Amanda Pelham



Hammer time



Photo: Danny Abriel

Daniel Pink traveled to New Orleans last year during study week. Instead of laying around on the beach, he built a new home for a young single mother.

"I helped build the roof," he said. "I'm terrified of heights but it was very cool to be involved."

Mr. Pink is one of the nearly 200 students who is headed to the Gulf Coast to help rebuild communities with Habitat for Humanity. The Dalhousie Law Habitat for Humanity branch and Dal Action, a newly formed student group, organize trips to the region in hopes of giving students a fun alternative to the usual vacation.

Dal Law Habitat for Humanity took their first trip to New Orleans last year. Thirty law students helped build homes and plant trees in local swampland. The group hopes to send 50 to 60 students this year. "I remember seeing a house in the middle of the road the first year I went," says Mr. Pink. "It's amazing how much work still needs to be done."

Josh Vomberg followed in his brother's footsteps when he went on the Habitat for Humanity trip. In 2009, Dal Action sent 150 students to Biloxi, Mississippi to assist various organizations.

"We were volunteering with the Hope Organization going door to door to offer help," says Mr. Vomberg, volunteer coordinator of Dal Action. "I helped a retired army veteran and his wife mow their lawn and do some outdoor chores. It took them a year to fix their house but they're still there."

This February, Dal Action is travelling to Americus, Georgia, where a tornado hit in 2007 and the community is still feeling the impact.

Dal Action hopes to expand their giving ways at home through partnerships with soup kitchens and other on-campus community groups.

"I fully realize what an impact students can make," says Mr. Vomberg. "It's a life changing experience."

Julie Sobowale



Dalhousie's first powwow, or mawiyomi, commemorated Mi'kmaq History Month.

Mawiyomi means 'gathering or celebration' held to foster a sense of community for Aboriginal students on campus, and to welcome all.



Photo: Danny Abriel

A heavy cost

Children as young as three may already be clocking more time in doctors' offices if they're overweight or obese compared to normal weight peers.

This eye-opening result comes from a study published in *The International Journal of Pediatric Obesity* that is the first in Canada to link measured weights from a population based survey with the use of health care services.

Researcher Sara Kirk, who holds a Canada Research Chair in Health Services Research at Dalhousie's School of Health Services Administration, collaborated with Stefan Kuhle and Paul Veugelers from the University of Alberta.

"Our study shows that the deviation in health care costs may be starting as early as age three and four," says Dr. Kirk. "This study reinforces the need to intervene early."

As well, obesity-related clinical disorders such as hypertension, obstructive sleep apnea, polycystic ovary syndrome and slipped capital femoral epiphysis are seen with increasing frequency in children.

Early health promotion programs have the potential to reduce the cost to the health care system. The next step will be to assess the type of conditions seen in children that are associated with these increased costs.

Dr. Kirk's research program is also exploring the role of the 'obesogenic environment,' which refers to the cultural, social and geographic features of our surroundings that promote obesity.

"We need to stop blaming individuals and do something as a society," says Dr. Kirk. "We need supportive environments where children live, play and learn."

Amanda Pelham



Imagine that Studley campus had remained a field.

BY LARS OSBERG

If we want to know what Dalhousie does for the larger society which it serves, we should try to imagine what that society would be like if Dalhousie did not exist. If we are to imagine this properly, we should not assume everything Dalhousie now does is simply done by some other institution under some other name. Imagine, instead, that Studley campus had remained a farmer's field, and the rest of Dalhousie had never been built. Suppose all the things Dalhousie now does just do not get done. Suppose the rest of the Canadian and Nova Scotia educational systems are exactly the same as now, but Dalhousie is not there – what would Halifax, and Nova Scotia, and Canada look like?

One consequence would be considerably less government revenue. Every year, Dalhousie adds several thousand graduates to the tax base of the nation (3,650 in 2010). The impact on the tax base of the absence of Dalhousie graduates would, of course, primarily be felt by the Province of Nova Scotia. The provincial government would be able to save the contribution it now makes to the university (in 2009, a total of \$10,720 per student). Government would also get the tax revenue that would have been collected on what Dalhousie students would have earned, if they had looked for work as high school graduates. The province would therefore be able to save the investment it now makes in the education of Dalhousie students. But government would also have to forego the fiscal return on that provincial investment, which comes in the increase in tax revenues over the working life of Dalhousie graduates. High school graduates have a higher probability of unemployment, and lower wages while working, than Dalhousie grads. On average, university graduates make substantially more income than high school graduates and in a progressive tax system, such as ours, that increase in earnings is taxed at a higher marginal tax rate. In addition, the increased

consumption coming from higher income means more HST revenue for government.

Furthermore, every year Dalhousie's graduating class adds to the future tax base of government. Dalhousie grads pay more in taxes for the next 30 or 40 years of their working lives and (because they typically have better pension rights and higher savings) throughout their retirement years. Suppose, to be conservative, that

What difference does Dalhousie make?

the increase in their earnings was only \$15,000 per year per student (it is certainly much greater for the graduates of Dalhousie's professional programs). If taxed at the top marginal rate, the yearly increment to income tax revenue would be approximately \$6,600, and the additional HST revenue about another \$1,800. Discounted at 5 per cent per year, this additional \$8,400 per year in tax revenues, added up for the next 35 years, has a present value of approximately \$140,000.

On a 'per-graduate' basis, this has been a pretty good return on the provincial government's investment. And as the economy shifts more and more to knowledge-based growth, it is likely to be an even better return in the future. It is especially so considering that a large body of research indicates that, on average, university graduates cost government somewhat less in

public service needs than high school graduates. More education has many impacts. University grads are, for example, less likely to smoke or be obese or not use their seatbelts, and are also less likely to have children that get in trouble with the law or depend on social assistance. The differentials on each aspect of behaviour are not large, but the net result of adding up many small, but significant, impacts is an overall social return to education that is as high again as the private net benefits received by individuals.

Of course, the returns which Nova Scotia gets from Dalhousie do come partly at the expense of other parts of the country. For example, many Dalhousie students now come from outside the province. Those who stay on and continue to earn their income, and pay their taxes in Nova Scotia represent a transfer of the population base that is particularly important to a small province with a potentially declining population. Dalhousie's research capacity, and the local existence of a pool of highly skilled labour, also attracts employers (like Research in Motion) away from other regions of the country. If Dalhousie did not exist, Nova Scotians would also have to leave for graduate or professional education – and other parts of the country would benefit from their migration. In these instances, and others, Dalhousie is responsible for employment and tax revenue increases in Nova Scotia which come partly at the expense of other regions.

Most of the benefits of a Dalhousie education are, of course, received by students – and the financial returns are only part of that. If Dalhousie campus were still a farmer's field, students would be the main losers – in addition to the costs to the cultural, political and social life of Nova Scotia and Canada. Nevertheless, the point of this note is to emphasize that government is very much a financial "co-adventurer" in higher education – sharing in the costs, but also participating very profitably in the financial benefits.

BY ELEANOR BEATON

FAMILY MATTERS

FROM THE DINING ROOM TO THE BOARDROOM

MYLES HOUGEN BELIEVES HE'S GOT A future in business. But he's still deciding whether that will involve joining the family enterprise his grandfather founded in the Yukon in the 1944, or starting a new venture all his own. "I'm talking it over with my family and weighing my options," says Mr. Hougen, 19, a management student at Dalhousie.

While communicating openly about the business and their future intentions comes easy to the Hougens, who own and operate a variety of businesses in retail, auto sales and real estate, many families continue to struggle with the sometimes volatile dynamics of family business. And that's something Dalhousie's new Centre for Family Business and Regional Prosperity will address.

"Family businesses are often very private affairs," says the centre's Executive Director Elaine Sibson. "The challenge is that they can be affected by all kinds of powerful dynamics – sibling rivalry, interpersonal relationships and an unwillingness of the founder to let go."

Most family business founders want to hand the reins to a family member when they retire, says Ms. Sibson. But it's not easy – she estimates that only about 30 per cent of family businesses survive to the next generation.

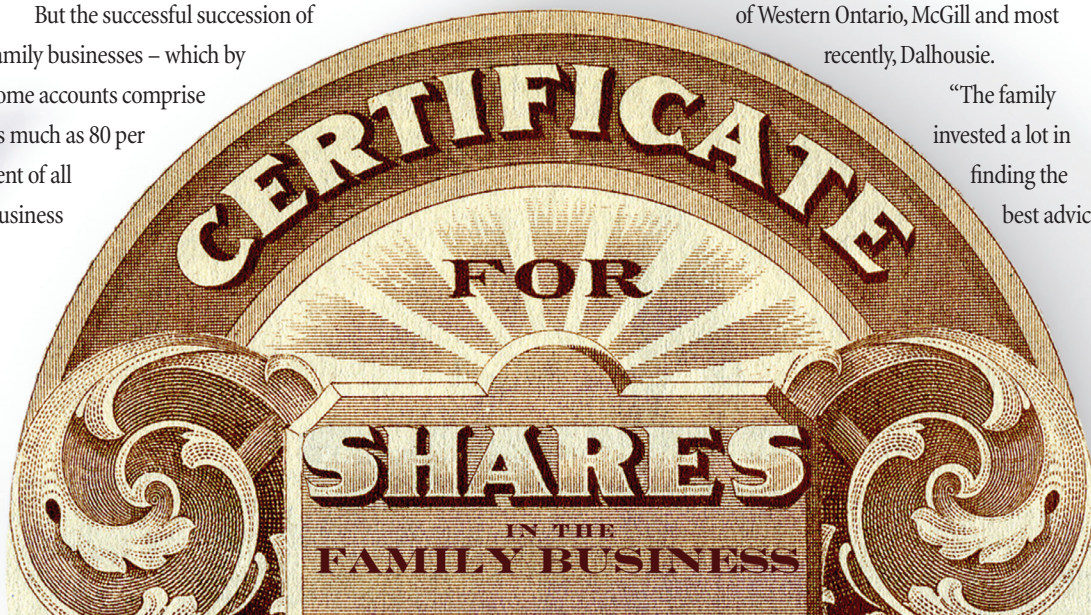
But the successful succession of family businesses – which by some accounts comprise as much as 80 per cent of all business

enterprises in North America – is critical not only to the families themselves, but to the future prosperity of the region, says Professor Larry Smith of Dalhousie's School of Business Administration. "Family businesses are dominant in Atlantic Canada and employ a lot of people," he points out, referring to well-known business families such as the Irvings, Olands, Braggs and O'Regans.

The link between the success of family-owned enterprise and regional prosperity is behind a \$1.5 million donation from BMO Financial Group to Dalhousie's Faculty of Management to support the centre. "The benefits of the training programs and resources for family business will be fantastic and can only contribute to the economic strength of the region," Steve Murphy, BMO's senior vice-president for the Atlantic Provinces, told *The Chronicle Herald* earlier this year.

While family businesses will benefit from the programs and services offered, they also played a crucial role in shaping the centre, which was established with funding from the Business Families Foundation. The foundation is a philanthropic arm of the de Gaspé Beaubien family of Montreal, who founded Telemedia Inc. To date, five such institutions have been established – at the University of British Columbia, the University of Alberta, the University of Western Ontario, McGill and most recently, Dalhousie.

"The family invested a lot in finding the best advice



“WE WANT TO GATHER RESEARCH ABOUT FAMILY BUSINESSES IN OUR REGION SO THAT WE CAN SUPPORT THEM TO SUCCEED.” *Ian Wilson*



Myles Hougen

Photo: Danny Abriel



Elaine Sibson

Photo: Nick Pearce



Ian Wilson

Photo: Danny Abriel

they could on how to deal with family business issues,” says Ms. Sibson. “They wanted to make that information and training more widely available to family businesses and the professionals that serve them.”

People who work with family businesses say there’s a growing need for better information and support. Roughly half the students enrolled in Prof. Smith’s family business course – including Myles Hougen – are there because they are actively considering entering the family business, he says. In fact, Prof. Smith points out that unlike their reticent forbears, today’s successors are taking a more proactive role in the succession plans of their family enterprises. “The students benefit from sharing experiences and addressing challenges that are common to many family businesses.”

Scott Flemming, vice-chair of the centre and co-owner of Ocean Contractors Ltd., a Dartmouth-based construction firm his father started in 1974, says many successors are hungry to learn more about family businesses and also to share their experiences with peers.

“It would have been extremely beneficial to have taken courses specifically in family business when I was in university,” says Mr. Flemming, who joined his brother and father at the family firm in 2004, after stints as a project manager at the UN in Switzerland and a large construction firm in Vancouver.

The centre will provide a safe place for family business people to share their experiences, learn best practices and access outreach education opportunities in such areas as financial and success planning and facilitation.

“We want to be a centre of excellence for family business, and give back to the community by addressing some of the

most pressing needs of family businesses,” says Ms. Sibson.

One of those needs is enhanced training for professionals who work with business families, says Allan Shaw, chair of the Shaw Group, and a director of the centre. “We’ve all heard the stories of families that go from rags to riches to rags in three generations,” says Mr. Shaw. “Accountants, lawyers, investment people and bankers can provide business families with a lot of support and advice, and we want to help them do that.”

The centre’s staff will also focus on gathering solid data specifically related to family business in Atlantic Canada. “A lot of the statistics we have are U.S.-based and not necessarily applicable to our market,” says Ian Wilson, president of Wilson Fuels, an eighth-generation family-run firm and the centre’s chair. “We want to gather research about family businesses in our region so that we can support them to succeed.”

To date, the centre has hosted a number of family business dinners in which leading business families, including the de Gaspé Beaubiens, one of the oldest merchant families in Quebec, discuss challenges and share best practices. Already, the sage advice from these family dynasties is spreading. For instance, when discussing the value of working outside the family enterprise, Mr. Flemming references a policy the Oland family shared during a recent dinner hosted by the centre, which states family members must have three years “outside” experience before coming to work for the family business.

“It’s so important to be in a position to bring ideas back into the family business,” says Mr. Flemming. “That’s how the business will continue to grow and compete.”

Despite the recent economic downturn, or, in some cases, because of it, many leaders in the Halifax community remain steadfastly committed to pursuing strategies for growth and prosperity in the community and across the region.

Sitting down with Jeff Forbes (BCom'89), chair of the board at the Halifax Chamber of Commerce, and vice-president, Knightsbridge Robertson Surette, we're overlooking the bustling Spring Garden shopping district from his office. Conversation focuses on plans for economic growth in the city and his view on how universities are supporting growth in the area.

He stresses the importance of collaboration among community leaders as a way to contribute in a meaningful way to further growth. Without it, he concedes, Halifax and the entire region will not live up to its full potential.

"Universities, governments, businesses and community leaders are starting to exercise their

individual strengths, collaborate and co-operate, to help achieve and sustain real growth in this region," says Mr. Forbes.

One of seven siblings to attend Dal over the years, Mr. Forbes was born in Antigonish and raised in the Halifax area. Together with his wife Sylvianne, they've recommitted to making Halifax home for their two daughters.

Even as many people contend with the economic realities of recent years, he isn't shy about sharing his thoughts on what he thinks are the drivers of growth in this region. He's in the unique position of being able to mingle with business and community leaders throughout the day and gauge their views on the economy.

"The people I speak with everyday tell me that Halifax's well-educated workforce and overall talent pool help bring students, employees and businesses to this area," says Mr. Forbes. "Dalhousie and the other universities in the region certainly add to our attractiveness as

a place to work, live and enjoy life."

Clearly, he's a believer in growing infrastructure to provide the foundation for, and the acceleration of, new growth and development.

The proposed new Trade and Convention Centre, led by developer Joe Ramia; The Trillium on South Park (residential/retail condominium building) led by developer Wadih Fares; the Kings Wharf (residential/retail/commercial development) led by developer Frances Fares; and Dalhousie's recently announced Campus Master Plan are indicative of opportunities that will undoubtedly be catalysts for positive change in the area in the near future, he says.

"Dal's plan to invest in campus renewal over the next 10 years is invigorating," says Mr. Forbes. "It's this type of commitment that make students, alumni, business and community leaders in this region – and all over the world – proud to endorse the Dal brand."

The pursuit of growth

BY PETER MURCHLAND

Doing our part to move the economy along



Mr. Forbes also points to other organizations in the community like Nova Scotia Business Inc. (NSBI), the Greater Halifax Partnership, Trade Centre Limited, the Port Authority, the Airport Authority and several government departments and leading private sector companies as integral drivers of prosperity now and in the coming years. He suggests that these organizations – individually and collectively – have the ability to spark real growth in the area.

“The people I speak with everyday tell me that Halifax’s well-educated workforce and overall talent pool help bring students, employees and businesses into the area.”

Aligning thought-leaders across the region and getting them to agree on what’s best is often a significant challenge, Mr. Forbes concedes. Unfocused plans, the occasional political differences, and indifference, add to the already difficult job of moving the economy along. This is why, he says, everyone must agree on taking measured and calculated risks that will undoubtedly spur growth opportunities.

“We all need to harness our collective entrepreneurial energies, engage one another, and agree what to take a chance on,” says Mr. Forbes. “We need to make it easy for people and businesses to flourish, and fuel that growth by recruiting and retaining top talent in this region.”

Mr. Forbes acknowledges that we need to take small steps before the big ones, but, he says, let’s not forget that we all share one common goal – prosperity in the region. Job creation is an integral component of a prosperous community

and, he predicts, many opportunities in the near future will be based in the finance sector.

“I think finance, accounting, banking and human resource jobs will be in high demand in the near term,” says Mr. Forbes. “And baby-boomers, I believe, will exit their full-time jobs, but return to work on short-term contracts in an effort to bolster retirement savings that may have been lost during the recent economic downturn.”

With the interview coming to a close, Mr. Forbes leans back in his chair, steals a glimpse of the shoppers along the streetscape below, and tactfully reinforces the fact that he wants to see a better, more vibrant and prosperous Halifax, not just for himself, but for future generations that study, work and play in our city.

Whether it’s small steps or big ones, one thing is clear; there is a concerted effort by Dalhousie and other leaders in the community to help stimulate the economy in the pursuit of prosperity now and in the days to come.

th and prosperity

Photo: Nick Pearce

Background photo: Eggfilms

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THE INTERNATIONALIZING UNIVERSITY

BY MARIE WEEREN

Hands extending in friendship, students take turns decorating one another's palms with intricate patterns of Mehndi. The henna designs add some Indian culture to the Student Union Building during Diwali celebrations organized by the Indian Subcontinent Students Association (INDISA).

The number of students from India is growing at Dalhousie. There are 174 students at the university this year, more than double the number from two years ago.

Recently, Dalhousie President Tom Traves was a member of the largest group of Canadian university presidents to go to India. The mission, organized by the Association of Universities and Colleges of Canada, raised Canada's profile in a country where an immense and youthful population makes the demand for post-secondary education so great it can't be met within its own geographic boundaries.

"There are literally hundreds of thousands and, eventually, millions of Indian students who will go abroad, and, as their national wealth increases, they will have greater capacity to go abroad," Dr. Traves says. "So, clearly, we have an interest in having some of those students – the best among them – come to Canada and come to Dalhousie."

This initiative illustrates an overall increase in international enrolment at Dalhousie which has reached 1,770 students representing more than 110 countries. Significant enrolment increases were recorded from the Middle East (especially Saudi Arabia) and in Asia (particularly China).

Dalhousie's strategic student recruitment initiatives are advancing the university's efforts to expand its presence in markets across Canada and around the world. This is especially important given the declining number of Atlantic Canadian students.

"I see people from every country."

In this Year of India in Canada, it's timely to share experiences and insights from a student, a recent graduate and an alumna who, many years later, retains strong memories of her university. Together, they paint a picture of what it's like to travel across the world and enter a new cultural and learning environment.

"Where one studies and how one studies are part of one's cultural heritage," writes Manju Kapur (MA'72), author of *The Immigrant*. "And, of course, to study in an environment completely different from your own means an opening of the eyes, an expansion of the mind."



Åsa Kachan, assistant vice-president enrolment management and registrar, addresses the benefits of a multicultural learning environment.

"I think one of our goals in internationalizing the university is to create opportunities for diverse viewpoints in the classroom, allowing students, whether from Truro or Toronto or Bangkok, the opportunity to meet people from around the world and engage with them academically and socially," says Ms. Kachan.

Dr. Traves highlights the value of a global perspective for international and Canadian students.

"For the international students coming here, on many, many occasions I've had conversations where people have said, 'This transformed my life. It taught me to see the world in different ways, it opened up possibilities to me that I never would have imagined were available and it gave me some insight into career options. It set me up as it were for the way the rest of my life evolved.'"

In turn, international students contribute greatly.

"They bring a wealth of personal experience, in a sense they embody their national experience. So, in the first instance, they enrich the campus environment," says Dr. Traves. "The second component is that we're very fortunate to attract really capable students. Whenever you have a first-rate mind from any environment, they raise the bar for everybody."



Ponmalar Pandian

Ponmalar Pandian's very first plane trip was from Chennai (formerly Madras) to Halifax. The pain of leaving her family tempered the elation she had felt when she was accepted into Dalhousie's master of engineering (Internetworking) program.

Though she still misses her family – she uses Skype to talk with them daily, sharing what she has done and seen – she is happy to be here.

“Studying abroad has always been my dream because it's a total shift from who you were to what you're going to be. I believe this,” she says. “This is the place where you get international exposure, because when in India you get along with all kinds of Indian people, fine, that's a great environment, but now I'm here in a multicultural nation where I see people from every country.”

Ms. Pandian says she has also experienced a new level of independence. “(In India), you don't just live for yourself, you live for your family, you live for the society. But here, you get personal freedom. You can live for yourself, for your happiness, and no one is going to stop you. No one's going to question you. And I love this.”



Manju Kapur

When asked to sum up her experience as a graduate student at Dalhousie, Manju Kapur reflects back.

“What can I say? Such experiences are impossible to sum up, they are so far reaching and so intense. It was the first time I had been on my own. It was a time of great loneliness as well as great freedom. I was forced to see myself differently because I was in a different place, because in fact I was now being seen differently. This is the issue, isn't it? To what extent does the way you are perceived affect your own self-perception?”

Ms. Kapur brings this insightfulness to her fourth and latest novel, *The Immigrant*, in which Halifax and Dalhousie figure. The novel was shortlisted for the DSC Prize for South Asian Literature. (*Difficult Daughters* was a Commonwealth Writers' Prize Best First Book (Eurasia) winner and an Indian bestseller.)

Nearly 40 years have gone by since Ms. Kapur's Dalhousie days, yet her recollections remain strong.

“Education, social, intellectual, exposure to a different way of life, being thrown upon myself, survival, a brilliant library open well into the night, unfettered access to books, emphasis on personal academic contribution, meeting people I would never have met otherwise, both Indian and Canadian, a beautiful campus, freedom to walk everywhere, looking at possibilities open to women – Dalhousie meant all that.”



Philip Kuruvilla

Philip Kuruvilla (MEC'08), from Kerala, was working in IT in India when he chose Dalhousie for its multidisciplinary master of electronic commerce program. A welcome bonus was the university's multicultural environment.

"I took this course on e-government and we had people from Botswana, we had people from Ireland, and it was very enriching to see how e-government initiatives are carried out in those countries," says Mr. Kuruvilla.

Outside the classroom, he learned to be more self-reliant. "Cooking was definitely one thing, living on a shoestring budget, then there is the whole, you're suddenly immersed in a culture that is very different. So you have to come out of your cocoon."

He skied, went to Cape Breton – "it was breathtaking" – and experienced Hurricane Juan. He says the greatest similarity between Halifax and India is that "people love life. That celebration of life whether you're rich or poor, whatever condition you're in, I've seen that uniquely in both places."

Today, Mr. Kuruvilla is an IT analyst in Toronto, where he lives with his wife, Nicy Kurian, an IT consultant also from Kerala. Although their work days are long, Mr. Kuruvilla remains connected with his friends, most of whom are also Dalhousie alumni.

"It's not that we reminisce every time we meet, but there is that bonding that we had, that shared past.... That's probably what keeps it together."

Make yourself at home

When Prabakaran Soundararajan arrived from India to study at Dalhousie University, everything was an adjustment: the city, the weather, the food. But there was one place that always felt like a home.

Ruby's apartment.

Now a postdoc associate at the Jackson Laboratory in Bar Harbor, Maine, Mr. Soundararajan rented a room from Ruby Russell after seeing a posting in the SUB.

Over the years, he was one of 15 students – most from India – who came to stay with the retired Newfoundlander in the cosy two-bedroom apartment on Inglis Street, about a 10-minute walk from campus. Other students arrived on her doorstep from Botswana, Bangladesh, Guyana, Libya and one from exotic Ontario.

The young man from India and the diminutive senior citizen became fast friends. They played Scrabble, watched TV and went to the Nova Scotia Tattoo and Halifax Feast. At Thanksgiving, Ms. Russell cooked turkey dinner with all the trimmings for Mr. Soundararajan and 18 of his university friends.

"She was like a mother, no doubt about it," says Mr. Soundararajan, who dedicated his PhD thesis to his parents and Ms. Russell. "I asked her, 'Can I call you Mama? And from that time, everybody started calling her Mama.'"

"She's a very nice lady," adds Santhosh Karanth, a postdoc at the University of Ottawa, who stayed with Ms. Russell while completing his PhD at Dalhousie. "It seems that after hosting many international students over the years, Mama developed a curriculum of her own to help us get adjusted."

That education went both ways, says Ms. Russell, who came to learn all about IST – "Indian Stretchable Time" – and to identify the savory smells wafting from her kitchen.

"It's been an eye opener," she says, sitting in the corner of a well-worn chesterfield, her knitting on her lap. "But I started with the attitude of 'it's your home too.' If you're not happy, I'm not happy. So come on in and be comfortable."

Mr. Soundararajan says he'll never forget her kindness. "In this day and age it is so rare to encounter someone so giving. What little she has, she loves to share it."

Marilyn Smulders



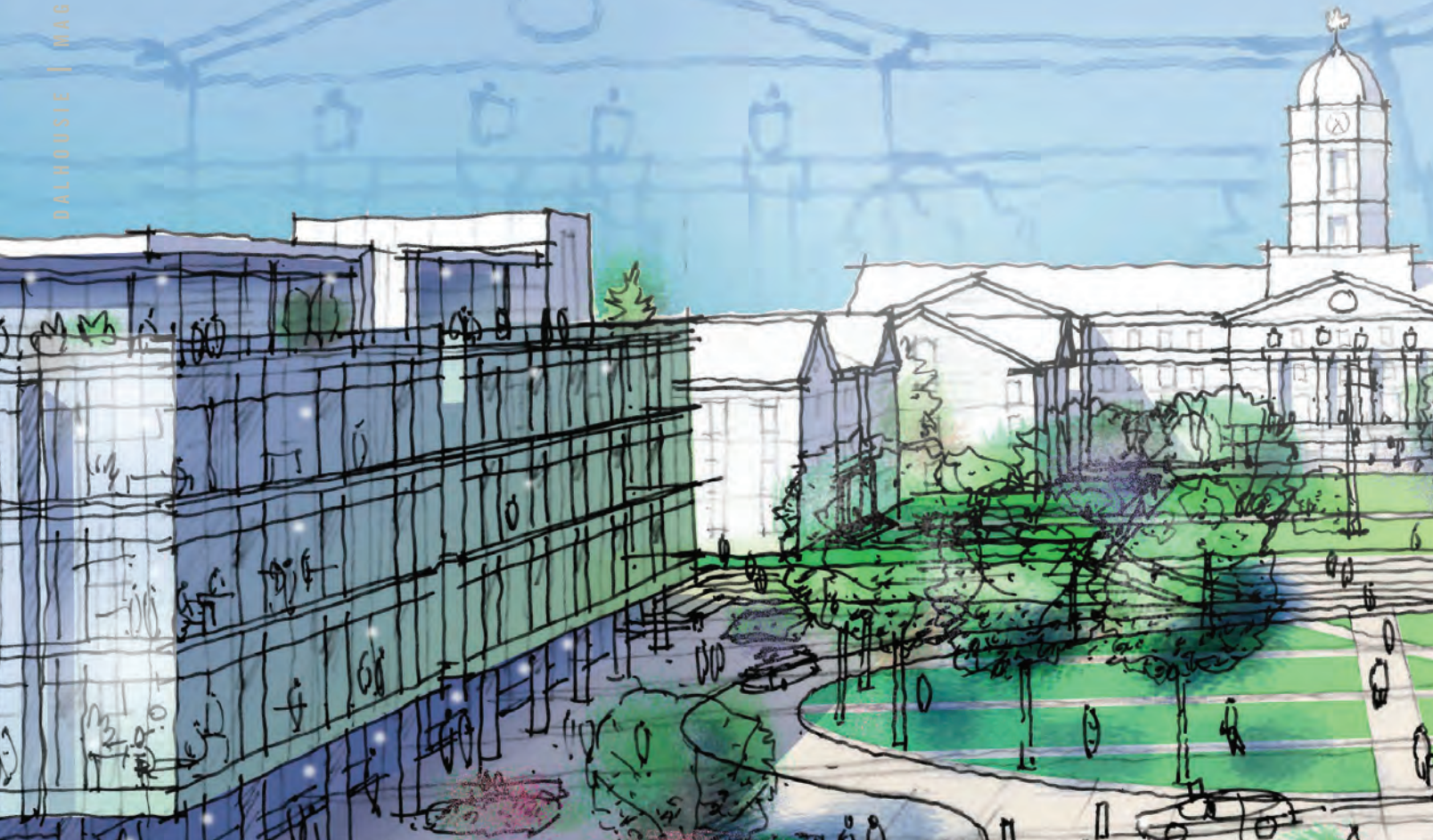
"These plans aren't really about the space, although that's the tool you use to create the environment you want." Ken Burt

DEVELOPING A SENSE OF COMMUNITY

BY RYAN MCNUTT

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DALHOUSIE | MAGAZINE



The only constant is change.

Each year, a university changes its shape. Thousands of students arrive with new ideas and perspectives, replacing graduates sent forth to make their mark in the world. Beloved professors retire, leaving their teaching legacy in the hands of fresh-faced young faculty eager to inspire. Newly-hired staff bring exciting ideas for how the school can better achieve its mission.

Yet sometimes greater change occurs, the yearly shapeshifting transforming into significant growth. In the six years between 1999 and 2005, for example, Dalhousie opened the doors of five major new buildings: the Goldberg Computer Science Building, Fountain House, the Marion McCain Arts & Social Sciences Building, Risley Hall and the Kenneth C. Rowe Management Building. These dramatically transformed the physical Dalhousie experience for a generation of students, faculty and staff.

Another dramatic transformation is currently underway. You can see the first signs in the new Mona Campbell Building; in renovations to the Tupper Link and the Life Science Centre; and in the Life Sciences Research Institute on Carleton Campus set to open this spring. Piece by piece, Dalhousie is building the physical space needed to support the ambitious goal laid out in its strategic focus: to become Canada's best university.

The man responsible for managing that physical space is Jeff Lamb, assistant vice-president of facilities management. Sitting in his office, he thumbs through the university's new Campus Master Plan, a framework document that will serve as his roadmap in the months and years ahead.

A framework for building capacity

“Five years ago, we spent \$20 million in major capital projects, including deferred maintenance and new construction,” says Mr. Lamb. “This fiscal year we're at \$100 million. The university will be writing that much in cheques for designs, construction, the works. We're really ramping up our capacity to handle what's in this framework plan.”

“Our 1991 campus plan wasn't tied into our present university strategy, or with developing a sense of community,” says Ken Burt, Dalhousie's vice-president administration and finance. “These plans aren't really about the space, although that's the tool you use to create the environment you want. It's really about empowering people.”

“This plan becomes the framework – not the prescription – for the development decisions that need to be made,” adds Larry Sherman, director at IBI Group. They worked together with John Crace, WHW Architects in Halifax. “It's not a document that the university will follow to the letter, because it can't foresee everything that will happen in the future. But it's a clear framework for the university to address issues in the context of what it's trying to achieve as an institution.”

The document represents almost three years of work, assessing everything from the physical capacity of the university's existing buildings to transportation demands and sustainability opportunities. The initiative, co-chaired by Mr. Burt and planning professor Frank Palermo, involved extensive consultations with the university community.

One of the plan's major initiatives came directly from students.

“Social interaction – studying in small groups – is critical to their studies but is done with great limitations because existing student space has not been designed for informal group learning, especially in this new digital age,” says Mr. Sherman.

Similar to the Learning Commons in the Killam Library, eventually four 'hubs' will combine leisure, services and study resources on all three campuses.



Integrated spaces for cross-campus collaboration

Today, many of the university's buildings are dedicated to a single departmental or administrative use, limiting opportunities for cross-campus collaboration and community. The plan proposes that future development emphasize a "mixed-use" model, with pedestrian-focused services like stores and social spaces at ground level, offices and instructional spaces above, and, if required, residence space in the upper floors.

The first of this type will be a mixed-use residence on LeMarchant Street. Scheduled to open in 2013, the building will add more than 300 beds, fulfilling an important need as the university's enrolment climbs toward 17,500, with more out-of-province and international students.

"This sort of building is a big change for us," says Mr. Lamb. "We're not going to build a 'chemistry building' or a 'student residence' anymore. We're going to create spaces with a variety of different uses to provide more value to our campus and to the Halifax community more broadly."

Building within our existing footprint

The Campus Master Plan doesn't call for Dalhousie to significantly increase its footprint in Halifax; IBI Group strongly believes that the university is better off refocusing and intensifying existing space – "building within."

On Studley Campus, this means completing a lower quad to lead into the heart of campus and a new academic, fitness and recreation complex on South Street. On Carleton Campus, "building within" involves phased development: an Interprofessional Health Building and two towers connected to the Tupper Building for health sciences research and teaching. And on Sexton Campus, it means a vibrant downtown with a new IDEA Building

– Integrated Design, Engineering and Architecture – that will encourage greater professional integration.

One of the most exciting proposals is a plan to redesign University Avenue. The street's potential to serve as a connector between all three campuses is presently crippled by narrow sidewalks, divided traffic lanes and a mostly-inaccessible median. A proposed solution is to combine both directions of vehicle traffic on the south side – maintaining the same amount of parking – while transforming the north side into an "active transportation corridor" for walking, biking and more. The community could then access the median as a green space for sport, leisure and study.

The University Avenue proposal illustrates one of the major challenges facing the Campus Master Plan.

Dalhousie can't do this alone

"University Avenue is Halifax Regional Municipality property, so that project will require the support and cooperation of the municipality, absolutely," says Mr. Lamb. He adds that HRM council was represented on the plan's steering committee and that university staff are already engaging in high-level discussions with city officials.

Nearly every project will require the support of a variety of partners – from all levels of government, to affiliated hospitals and institutions, to alumni – to get off the ground.

Projects to be approved one by one

On this point, university leadership is quick to note that the plan's approval is not an approval for every proposal; each individual project will have to be scoped out, funded, and brought to the Board of Governors for approval. The sticker cost for the 10 priority items in the



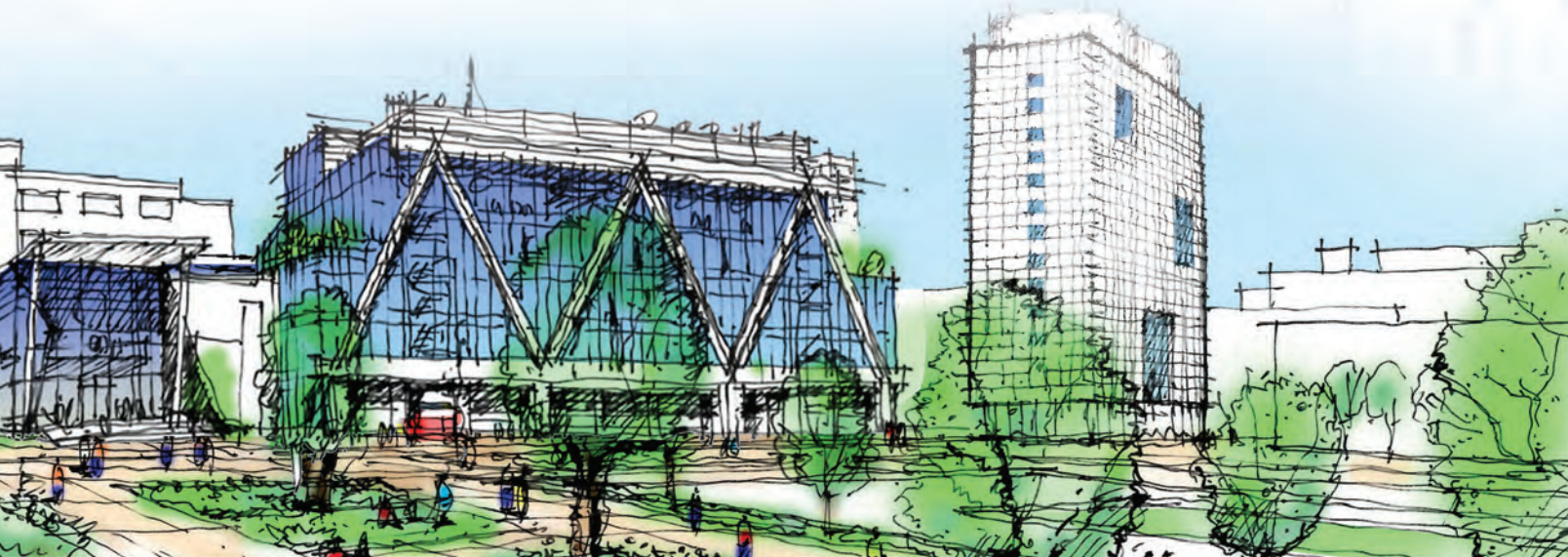
Campus Master Plan is estimated at \$600 million, and while that price tag is unlikely to fall to Dalhousie alone, and would be spread out over the years ahead, there's no question that it presents a challenge to the university, especially in an age of increasing financial restraint.

"Universities rarely feel like we have the resources we think we require to deliver our mandate, and that goes for physical infrastructure as much as anything," says Mr. Burt.

"How do we keep the existing buildings functional for an ever-changing student population, while at the same time expanding and accomplishing the new initiatives we're tasked with as a global research and teaching institution? That's going to be a huge challenge."

The fact that campus development capacity is already increasing is a sign that the university is starting the hard work to make the campus plan's vision a reality: a collaborative, invigorated Dalhousie, spanning peninsular Halifax through the university's three campuses, inspiring the research of today and the students who will shape the world of tomorrow.

"If you don't plan for great things, it's a self-fulfilling prophecy – you'll never get there," notes Mr. Lamb. "If we want to be Canada's best university, then our responsibility is to collect the energy, support and enthusiasm to ensure that we have the physical campus to help us get there."



DAL HOME

Drawn back by black and gold

by Valerie Mansour

Autumn 1976 – The last time Dalhousie fielded a football team, I was the associate editor of the *Dalhousie Gazette* and our sports pages featured football headlines such as Dal Tigers Defeat Mounties in Football Opener and UNB Nips Tigers.

It wasn't to last, as the university was soon to pull the plug on its team.

Flash to October 23, 2010 – It's the first football season since that fateful year and tonight's game is against the Moncton Junior Mustangs during Dalhousie's first homecoming celebrations in 15 years.

In the stands is Mike Lloyd who played right guard at Dal in the fall of 1961 alongside legendary player, Ted Wickwire, for whom the field is named. Mr. Lloyd, who studied chemistry here from 1959 to 1962, drove from his home in Wisconsin with his wife, Doris, who graduated with a Diploma in Public Health. They planned a business trip to coincide with homecoming.

Homecoming is all about memories for him as he points to the top of the nearby building where he had his chemistry labs over 45 years ago. "I spent a lot of time up there."

"It's nice to be back where we met," says Doris, adding that while the

main area of the campus hasn't changed, she did have some trouble finding her way around.

Student volunteer Fahad Kabir notes a new level of school spirit to the campus. "Even the current students are excited," he says. "Students are buying Dal paraphernalia. They're taking well to this."

Also on campus are Deb Armour and Jim MacAulay of Vancouver, both LLB'85. They had been in Charlottetown on business, returned to Vancouver and so strongly wanted to attend their 25th class reunion that five days later caught a red-eye flight to Halifax.

"It was great to catch up with old friends from law school, says Mr. MacAulay.

"It's not that we're just renewing old friendships. We're making new ones with grads we didn't know well then," adds Ms. Armour.

At game time the fans are bundled up against the cold wind as enthusiastic students run back and forth waving flags and cheering. Parents in the crowd have come from Toronto to see their sons play.

Amongst the alumni are Haligonians Mike Sherar and Bruce Evans who became friends in the '70s.



Photo: Danny Abriel



Photo: Danny Abriel

COMING

“It’s good to see everyone and to have football back,” says Mr. Sherar, a member of the Football Founders Club. “It renews the synergy of days gone by. And it’s great to integrate that with the new generation.”

Mr. Evans says he attended many Homecoming events. “The activities have been great. It’s just a lot of fun.”

Homecoming provides entertainment, but most of all it’s about memories – and for Mike and Doris Lloyd, the day after the game brought a visit to Citadel Hill where he proposed so many years ago.

Come on home

by Joanie Veitch

The first homecoming in 15 years was an occasion to celebrate.

Organizers planned a full slate of activities, such as lectures, tours and rallies, along with a number of varsity games. The aim was to make the

weekend a showcase for the entire campus.

“We wanted to take the opportunity to show off a little and celebrate the students, staff and faculty – the full range of talent that makes up the Dalhousie community,” says Floyd Dykeman, vice-president external.

The annual dinner held at the Cunard Centre on the Halifax waterfront was the largest ever.

Sloan-coming

by Mel Hennigar

A crowd of about 200 filed into the Grawood to witness a homecoming event within a homecoming event.

Patrick Pentland (BA’91) and Jay Ferguson (BA’89) are well-known as the guitar players in the Halifax-bred power-pop band Sloan. (It should be noted that lead singer and bass player Chris Murphy is also rumored to have graced our hallowed halls.)

This was not the first time that Sloan has stormed the stage of the Grawood – but this performance was perhaps more meaningful given the alumni connection.

The evening was kicked into high gear thanks to a rollicking performance by Toronto-based The Golden Dogs.

While the majority of the crowd in attendance at the Grawood was just barely out of their diapers when Sloan’s *Twice Removed* was released, they had clearly done their rock ‘n’ roll homework.

Songs like *Losing California* and *The Lines You Amend* generated audience participation and some spirited sing-a-longs. Even though some of the members of Sloan may be hovering near their 20-year class reunion, they still sure can rock.



Photo: Nick Pearce



Photo: Mel Hennigar

COMMENCING LIFE AS A GRADUATE



Entrepreneur and philanthropist John McCall MacBain; author and journalist Simon Winchester and global exporter Keith Condon received honorary degrees during fall convocation ceremonies.

Dr. McCall MacBain's lively remarks were punctuated with props he brought along for the occasion.

"I have five thoughts that I wanted to share with you today," he says. "I have a one-word caption for each and a visual cue."

Prop #1 Salmon: Be a big fish in a small pond, and jump from pond to pond.

"It is easier to get started, and get noticed, in a small pond than in a big pond. You will be a leader early on ... and when you jump to a bigger pond you will already have plenty of experience leading others," he says.

Prop # 2 Kings: Limit your ego to below your capabilities.

"Ego interferes with progress since people like kings are slow to adapt," he says. "In our business, investing, philanthropy and social enterprise, we seek to keep pride in check."

Prop # 3 Ants: Your best career and indeed life choices will be found at the intersection of what you like to do and what you are good at. Ultimately, your personal satisfaction will be enhanced by also doing what is good for your community.

"When you are deciding on your career and making major life decisions, try to ask yourself these questions and look for that intersection," he says.

Prop # 4 Thunderstorms: You never know when you have had a good day.

"It may be thundering outside, but your future direction usually has little relation to that bad day, so don't dwell on those bad days or become depressed," he says.

Challenge # 1 Environment: "This is the way the world ends, not with a bang but a whimper." (T.S. Eliot)

"Take up the challenge of climate change and the environment," he says.

Dr. McCall MacBain gave each graduate a copy of *Controlling Climate Change* by Bert Metz.

Keith Condon represents the essence of South Shore Nova Scotian initiative. As President and CEO of the Yarmouth, Nova Scotia-based Tri-Star Industries Limited, Keith Condon lives and builds on our global economy tradition. Over the last thirty years he built up his company into a world leader in the manufacture of ambulances and other specialty vehicles.

Simon Winchester visited campus on the eve of publishing his latest novel *Atlantic*. Dr. Winchester is a world-renowned journalist and author whose perspective bridges the sciences and the humanities. His ability to transcend traditional subject boundaries enables him to explain the complex interplay between humanity and the natural world.



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Building strong bonds

Sir James Dunn Building 50th anniversary

Recollections of research, pranks – a car vanishing from the parking lot and appearing in the basement, for one – and bonding in the undergraduate lounge were shared at a 50th anniversary celebration of the Sir James Dunn Science Building.

Past and present faculty members of the Department of Physics and Atmospheric Science

recounted their memories to an appreciative audience which included physics graduate student Markus Karahka (BSc'10) and recent graduate Parisa Sadeghi (MCS'10).

“When I started here I didn't know many people, but everybody was very friendly, very helpful,” recalls Ms. Sadeghi, from Iran.

That collegiality was evident at the celebration. “It's a special day because everybody who has been here for the last 50 years, 40 years, 30 years, remem-

bers it with great pleasure and has very memorable stories to tell about it,” says Harm Rotermund, the George Munro Professor of Physics.

Dr. Rotermund, currently the department's chair, gave an overview of Dalhousie's history, including the role of Sir James Dunn. A law graduate, Sir Dunn's generosity to the university was carried on by Lady Dunn after his death in 1956. The Sir James Dunn Building, which cost \$2.5 million, opened in 1960 on October 29, the namesake's birthday. Once home to physics, engineering and geology, the building is now occupied by physics and atmospheric science primarily, with offices and classrooms for engineering. The building also houses Nova Scotia's only permanent planetarium.

Retired faculty member Forest Fyfe (MSc'57) recalls attending the opening ceremony of the Dunn building as a student. Manfred Jericho (MSc'61)

Celebrating 50 years of physics: (l-r) Tony Simpson; Manfred Jericho, professor emeritus; Gerhard Stroink, professor emeritus; Barry Paton



2011 DAA Awards Call for nominations

Help us celebrate 2011 by nominating a fellow grad for one of our Alumni Awards.

For further information, phone
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or 1.800.565.9969

Email: shawna.burgess@dal.ca

Deadline for nominations is March 10, 2011

was a master's student when he carried out the Dunn building's first low-temperature experiment. He is now professor emeritus. "There were wonderful colleagues," says Dr. Jericho, "wonderful post-docs, wonderful students over the years."

Gerhard Stroink, professor emeritus and former department chair, joined Dalhousie in 1973. He initially worked with the late Ernest Guptill in the development of first-year lecture demonstrations. These demonstrations

were taken on the road and their popularity helped set the stage for today's Discovery Centre, of which Dr. Stroink is a founding board member.

When asked what the Dunn building means to him, Dr. Stroink reflects: "The freedom you have to passionately pursue your own research and your own creative mind is a great opportunity and a very unique one. I'm very grateful to have had that opportunity."

Marie Weeren

Alumni Events

Fall and winter 2010



While Dal's first homecoming in 15 years drew alumni from near and far back to campus in October, hundreds more alumni and friends had a chance to meet Michael Perry, Dal's new director of alumni engagement, at events in November and December, which included a pre-screening of the latest Harry Potter flick in Halifax, and receptions in **Fredericton, Saint John, Moncton, Montreal, Toronto** and **Ottawa**.

We look forward to reconnecting with many more of you in 2011. We're planning events throughout the winter and spring.

San Francisco – Feb. 15

Los Angeles – Feb. 17

Sarasota – Mar. 8

Bahamas – Mar. 10

Boston – Mar. 23

New York – Mar. 24

Calgary Lobster Dinner – May 13

For complete event details

and updates, visit

www.dal.ca/alumni/events

Let us know what you've been

up to: alumni.records@dal.ca

or www.dal.ca/alumni/update

And don't forget to join us

on Facebook (www.facebook.com/dalumni) and LinkedIn

(join the Dalhousie University Alumni Group).

Photos, from top:

Moncton

Ottawa

Toronto

Dentistry reunion (Toronto)



Fans cheer on the football Tigers at Homecoming 2010.

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



Dalhousie Alumni Association (DAA) 2010-2011 Board of Directors

Nancy Barkhouse (BA'72), N.S., *president of DAA board*
Andrew Bennett (BA'95), Ont., *Board of Governors representative*

Barrie Black (BA'71, LLB'71), N.S.

Tammie Deubry (BCom'02, MA'05), Ont., *vice-president, new alumni*

Alexandra (Alix) Dostal (BA'98), Ont., *vice-president, communications*

W. Marc Douglas (BA'06), B.C.
Jamie Fraser (BS'82, MD'86, PGM'93), N.S.

Bonita Hansra (MBA'05), Ont.
Courtney Larkin (BMGT'10), N.S.

Donalda MacBeath (LLB'79), Alta.

Nancy MacCreedy-Williams (LLB'89), *Board of Governors representative*

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

Aubrey Palmeter (BEng'82, MBA'86), N.S.

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

James Stuewe (BMGT'05, MPA'09), Ont.

Jim Wilson (MBA'87), N.S., *executive vice-president of DAA board*

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

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

Coast-to-coast connections

From coast to coast, board members are bringing the perspectives of their regions to the Dalhousie Alumni Association (DAA).

"The board has made great strides to try to ensure that we have representation from across the country, from different faculties and from different years of graduation," says Alix Dostal (BA'98), alumni association vice-president, communications and outreach. "We feel that the national representation on the board allows us to more effectively tap into the rich network of alumni across the country and abroad."

One of these groups is in Calgary, the home of board member Donalda MacBeath (LLB'79).

In addition to bringing a western perspective to the DAA board, Ms. MacBeath participates in student recruitment, brings updates of Dalhousie activities to alumni gatherings and is a contact for alumni who have relocated to the area.

"There's a strong alumni core in Alberta that has been here from early on, and it was some of those alumni who got me on the path of where I am today," says Ms. MacBeath, who herself relocated to Calgary from the Maritimes more than 30 years ago.

Across Canada and internationally, technology is facilitating connections. One way the association will be working to keep communication channels open with alumni throughout Canada and beyond is by expanding the use of electronic and social media.

These efforts support the board's three areas of focus:

alumni engagement (with each other, the university and students); new alumni/mentorship (helping to create networks for students before they become alumni and keeping new alumni engaged in the Dalhousie community); and communications and visibility (including fostering a richer dialogue among the board, alumni office and alumni throughout the world).

"Over the next month or two what we're really trying to do is solicit input from alumni and work with the board to think about the key deliverables for those areas, but certainly those are the broad themes that we think

Many DAA board members attended the Annual Dinner in October 2010.

are priorities for the board and for our alumni work over the next year," Ms. Dostal says.

The board invites and encourages alumni to share their perspectives, to volunteer and to become involved with alumni activities.

Visit: http://alumniandfriends.dal.ca/alumni_association.html
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Classnotes

1950s

1954

Charles Dewar, MD, has been named one of Canada's Family Physicians of the Year by the College of Family Physicians. Each year, the college selects a nominee from each province to be one of 10 Family Physicians of the Year. Charles is recognized for his contribution to the health and well-being of his community in O'Leary, P.E.I. Affectionately known as 'Dr. Charles,' he is lauded by patients and colleagues as the epitome of a family physician in a medical career that spans 55 years. Once an avid photographer, pilot and skydiver, Dr. Charles now enjoys being a member of Ceilidh Brae, a local musical group involved with community fundraising. He is married to Frances and they have three adult children and 13 grandchildren.

1960s

1963

Donald Green, BA, LLB'66, won the CPGA Super Sr. Canadian Golf Championship at Rattlesnake Point Golf Course this past July, in a play-off with Bob Panasiuk. Donald joined the PGA in 2001 and continues to teach golf in Collingwood, Ont., following a 30-year law career in Burlington and operating the Great Canadian Bagel in Halifax.

1967

Mary L. Barker, BA, was inducted into the College of Fellows of the Canadian Public Relations Association as an Honorary Fellow. The award cited recognition of her exceptional professional capability, professional experience, contribution to the advancement of the profession, and significant leadership in public relations.

1968

Kevin Carroll, LLB, is currently serving as president of the Canadian Bar Association. His firm is Carroll, Heyd, Chown and he lives in Barrie, Ont.

Janice Zatzman Orlansky, BA, is currently working in Mayor Michael Bloomberg's initiative to reduce truancy in New York City public schools. The program deployed success mentors to a core group of 25 schools that will test-pilot this initiative before it is brought to schools citywide. To help reduce chronic absenteeism and truancy, the Mayor's Task Force created the NYC Success Mentors Corps, whose members will work with students to improve attendance. Dr. Orlansky reports that her work as a mentor is both frustrating and gratifying. Attendance is up, she says, but the problems of truancy run very deep and are cultural. For those who are interested, <http://schools.nyc.gov/offices/mediarelations/newsand-speeches/2010-2011/truancy-prevention.htm>

The Dalhousie Annual Dinner 2010 Thank you.

We wish to express our thanks to the 600 alumni and friends who joined us at Cunard Centre on October 21 for the 2010 Dalhousie Annual Dinner, celebrating another year of exceptional success. Thank you to our generous sponsors

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Inspiring Minds

1970s

1971

Jean Cooley, BSc, received a University of Alberta Alumni Honour Award during the university's 2010 alumni weekend. She is a University of Alberta senator and previously volunteered on the university's alumni council. Jean is now retired, after more than 30 years as a research chemist with Syncrude Canada Ltd.

1974

David Frank, MA, PhD'79, recently published, with co-author Nicole Lang, a guide to provincial labour history sites entitled *Labour Landmarks in New Brunswick / Lieux historiques ouvriers au Nouveau-Brunswick* (Canadian Committee on Labour History, 2010).

1975

D. Alan Jones, MBA, was awarded the Donna MacGregor Outstanding Volunteer Award at Niagara-on-the-Lake on September 24, 2010. The award, granted by Certified General Accountants of Ontario, recognized Alan's volunteer activities in Ottawa and Mississippi Mills, Ont.

1979

Mike Brownlow, MA, has been named chief executive officer of Commissionaires Nova Scotia. Mike joined the Commissionaires in 2006, following a career in teaching. Mike and Maureen live in Dartmouth and have six children, eight grandchildren, and one great grandchild.

1980s

1980


Delphine du Toit, MSW, has recently returned to Halifax after 22 years of working as a performance management and labour relations consultant in Africa. She has an interesting story to tell about how her Dal degree served her in the ever-challenging developing world.

1984

John W. MacDonald, BA, wants to let friends and classmates know that he is now back home in Sydney, N.S. and is recovering from his October surgery.


1985

Geoff Martin, BA, assistant professor of continuous learning and political science at Mount Allison University, has co-authored a new book with his wife Erin Steuter, BA'84, MA'87, entitled *Pop Culture Goes to War: Enlisting and Resisting Militarism in the War on Terror*.




Joseph Smallwood
Frank McKenna
Alexa McDonough

They each deserved one.



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IN SHACKLETON'S FOOTSTEPS ONE HUNDRED YEARS LATER

From their hiding places in hummocky tussocks of grass, Antarctic fur seals of all shapes and sizes lunge towards us – snapping and barking – as we climb the well-trodden path to the memorial cairn and cross erected to Sir Ernest Shackleton in Grytviken, South Georgia. In the lead is Jonathan Shackleton, an Irish organic farmer, author, and cousin to Sir Ernest, the great Antarctic explorer.

Grytviken, an abandoned Norwegian whaling station littered with whale vertebrae and rusting rendering tanks, is populated today by 13 Britons and countless king penguins, fur seals, and elephant seals.

Stuffed inside the stone cairn is a scroll containing a photo and signatures from the crew of Shackleton's

Quest Expedition of 1921-22. With great reverence and an historical sense of place, Jonathan reads out the crew's names to our group of modern-day explorers who has travelled to Antarctica and South Georgia, following in Shackleton's footsteps one hundred years later.

Numbered amongst the Quest's crew is George Vibert Douglas, a Canadian and professor of geology at Dalhousie University from 1932 to 1957. Dr. Douglas erected the stone cairn and white cross on a rocky headland at the entrance to Grytviken Harbour, shortly after Shackleton's death here in 1922. Chief of the Quest's scientific crew, he ensured that the cross faced the Magnetic South Pole which was discovered during Shackleton's 1909 Nimrod Expedition.

Dr. Douglas processed the geological samples collected during the Quest Expedition at Harvard

University. When he assumed the first Carnegie Professorship of Geology at Dalhousie in 1933, Dr. Douglas was paid a handsome sum for those days: \$4,500 per annum.

A Dalhousie alumna and geologist, I jumped at the once-in-a-lifetime opportunity to participate in the 2010 Elysium Epic Visual Expedition, as one of its 57 explorers from 19 nations.

For 19 days in February and March 2010, the Elysium Team journeyed to the bottom of the world, and documented the impacts of accelerating climate change – both above and below the water – on the planet's last remaining frontier. We retraced Shackleton's Imperial Trans-Antarctic Imperial Expedition of 1914-17, a journey that went horribly sideways when the

Endurance was crushed by ice and sank,

precipitating one of the greatest survival stories in modern history.

As a member of Elysium's scientific crew, I worked with the world's preeminent scientists, scuba divers, movie makers, photographers, artists, and explorers, including *National Geographic's* Emory Kristof who co-discovered the Titanic. Kristof wants to find the Endurance which sits in 10,000 feet of water.

Underwater exploration in Antarctica is cold and challenging on all fronts: I snorkelled with curious leopard seals who played hide-and-seek around ice bergs. Fierce predators, leopard seals' heads dwarf those of grizzly bears, and, as they approached – with mouths wide open in threat displays – I could count the freckles on their tongues and upper palates.

Shackleton's polar expeditions always included geologists and geophysicists – during the audition for a spot in Expedition, I pitched my vision of recreating the role of the ship's geoscientist 100 years later, providing an unique perspective to

the discussions of climate change, glaciology, and oceanography. My vision was supported by numerous corporate and scientific sponsors, and by generous individual donors.

Over cocktails one evening, I discovered another Dalhousie connection with just one degree separation: Dr. Stephen Nicol, the expedition's krill expert from the Australian Antarctic Division, received his doctorate from Dalhousie in 1984. In fact, we discovered that we had studied with some of the same marine biology professors, and speculated about whether Dr. Nicol had been one of my lab tutors.

During our return voyage to South America, force 11 seas with 15-metre-high waves and 65-knot-per-hour winds kept us confined below decks for several days, earning us the title of 'sea wolves' from the Russian captain and crew. The view from the ship's bridge on the seventh storey was terrifying, especially at night, and was akin to driving through a car wash.

Participation in the Elysium Expedition represented the biggest logistical undertaking of my life to date, and it marked the confluence of my many divergent career and life pathways – geology, biology, geophysics, journalism, environmental advocacy, and scuba diving – which flowed together seamlessly amidst the backdrop of the harshest climate on Earth.

Susan R. Eaton



1986

Mike Staples, MBA, wants fellow classmates to know that the date has been set for the MBA Class of 1986 25th reunion. It will be happening in Halifax on May 28, 2011. Plans are in the works for a pub crawl on Friday and a dinner on Saturday. There will also be tours of the Kenneth C. Rowe Management Building and other areas of the Dal campus for those who are interested. For more information, contact Mike at mikestap@gmail.com

David MacNeil, MD, has been named one of Canada's Family Physicians of the Year by the College of Family Physicians. Each year, the college

selects a nominee from each province to be one of 10 Family Physicians of the Year. David's patients in Bedford, N.S. consider themselves to be very fortunate to have him as their family doctor. They find him to be an exceptional family physician who provides an ideal balance of professionalism and personable style. A portion of David's work focuses on providing care to the geriatric population in his community. As part of the VON Palliative Care program he makes regular home visits and is known to go out of his way for patients, taking emergency calls day or night. He is also known for his dry humour and easy-going nature.

1987

Nancy Lynn Scott, BScOT, is delighted to announce her marriage to Bob-Amndih Ward in October 2010. Lynn has just moved from Norwich, United Kingdom to join Bob in Brussels, Belgium. She is busy upgrading her French and hopes to offer public classes in mindfulness meditation for chronic pain, illness and stress.

1990s

1991

Jennifer Raven, BA'95, and David Lucas are thrilled to announce the births of Asher Vidal Ravel and Elijah Valen Raven, born March 8, 2010, beautiful baby brothers for sister Naomi, age six.

1993

Juanita Smith, BA, BED'94, MLIS'06, and Boyd Sharpe would like to welcome Malcolm Sharpe, born April 22, 2010, a brother for Annika. Juanita can be reached at juanitasmith@hotmail.com

1996

Marni Tuttle, BSc, BA, is excited for the new challenge awaiting her as corporate director philanthropic relationships with the Northwood Group of Companies. Marni says it's been a privilege to work at Dalhousie University since 1996. Whether it was on the road, through Facebook, on the phone or wandering around campus the opportunity to meet, greet and engage alumni in Dalhousie was always rewarding and often fun. She will miss many coworkers (past and present), and the volunteers and donors who help Dalhousie.

1999

Christina M. Dorcas, BScOT, recently adopted a beautiful girl from Nunavut. Enooya is nine years old and in Grade 4. Enooya and her new mom live in Ottawa with their pet dog, Queenbee KC. Christina is an occupational therapist working for a private OT firm.

Katharine Shingler, BA, after working as a television and print journalist for nearly a decade, accepted a position at the national public think-tank, the Institute for Research on Public Policy in early 2008. She is enjoying her role as the institute's communications director, helping to disseminate its research findings through media coverage and targeted outreach to Canada's policy community. After graduating from Dal, she completed Concordia's graduate journalism program and is currently studying public relations management at McGill University. In addition to Halifax, she has lived in a number of North American cities including Toronto, New York and Quebec City. She is currently living in Montreal with her husband, Bradley Connell.



Ernest Buckler
Alden Nowlan
Rita Joe

They each deserved one, too.



DALHOUSIE
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Spotlight

WORKING TO IMPROVE OFFSHORE SAFETY

Richard Grant is living proof that one person can make a difference.

In May 1992, Mr. Grant (MEng'84, TUNS), found himself deeply troubled by the deaths of 26 miners in the Westray coal mine disaster in Pictou County and was concerned by the information uncovered into the oversight and deficiencies that occurred.

"There were people entrusted to do the appropriate things, and they just didn't do them," says Mr. Grant, owner of Grantec Engineering Consultants Inc. in Hammonds Plains N.S. "Those miners shouldn't have been working in that mine."

As a staff member at the Canada-Nova Scotia Offshore Petroleum Board (CNSOPB), Mr. Grant had experience as an advisor on the North Sea regulations and standards for offshore

structural safety. He never wanted to see a similar tragedy occur on Canada's offshore.

He began noting deficiencies in offshore standards and regulations and thought if he could make changes to increase the level of safety, he would. During his time at CNSOPB and continuing after he left in 2002, Mr. Grant pushed tirelessly for the most stringent regulations to protect the lives of those working offshore and the waters they work in.

"Ultimately, in noting significant issues with respect to fire and explosion safety within the Canadian regulations, I was able to change what was in the standards, thereby changing the regulations (which reference the standards)."

With support from industry and the Canadian Standards Association (CSA), and working with

experts from the United Kingdom and Norway, Mr. Grant not only influenced Canadian standards, but helped bring a higher level of safety to offshore structures all over the world, influencing changes made to the International Organization for Standardization (ISO).

In 2003, Mr. Grant received the CSA Award of Merit for his guidance in the advancement of offshore structural standards, one of only three people to have won the award in the last decade within the offshore structures committees.

"I just don't want to see anything like Westray happen again, and if I can help make a change to do that, I'll do that," says Mr. Grant.

An accomplished engineer of nearly 30 years,

Mr. Grant began Grantec in 2006, consulting on unique structures, structural dynamics, vibrations, fluid dynamics and response of structures to time-varying loads – to name a few.

With expertise on advanced stress analysis, Grantec performed the mechanical and structural design of the Sequoia Detector and Sample Vessels at Oak Ridge National Laboratory in Oak Ridge, Tennessee needing to adhere to strict specifications including requirements for the maximum deflections under vacuum and strength requirements like fatigue, collapse and seismic resistance.

One of the largest vacuum chambers built in North America, the Sequoia is part of the Spallation Neutron Source (SNS) project (the most powerful neutron source in the world), funded by the U.S. Department of Energy and is considered the world's foremost facility for the study of neutron science.

Mr. Grant was recognized with the 2010 Lieutenant Governor's Award for Excellence in Engineering from the Association of Professional Engineers of Nova Scotia (APENS).

Billy Comeau



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2000s

2000

Steven Cote, BSc (Kinesiology), and his wife, Brooke are pleased to announce the birth of their first child, Cole Ethan Alexander Cote, born on July 10, 2010, weighing in at 7 lbs 9 oz. Steven is currently a senior policy advisor with the Department of Finance Canada and is a past Dalhousie Student Union president and vice-president. He also served on the Dalhousie Board of Governors for two years and remains active in the Dalhousie Alumni Association in Ottawa.

2002

Leigh Lampert, LLB/MBA, and **Darcie Richler**, BA'02, along with their son, Max, lovingly welcomed Sam into the family in July, 2010. Leigh and Darcie and their two boys live in Toronto, where Leigh is associate vice-president and senior corporate counsel with Sears Canada Inc., and Darcie runs her own business. They can be reached at leigh@leighlampert.com

2006

Mark Kilfoil, BSc (Computer Science) and **Chantelle McIsaac**, BA'02, are pleased to announce the arrival of their baby boy, Aaron Douglas Kilfoil, born September 7, 2010, weighing 6 lbs 9 oz.

Peter Risto Higgs, BA (Economics), LLB'10, and **Leesa Bea Ferguson**, BA (Psychology), MHA'10, were married on August 14, 2010 in Courtenay, B.C.. Peter is currently articling at Shook, Wickham, Bishop & Field law firm in Campbell River, B.C. Friends can reach them at leesa.ferguson@sjghcomox.ca

InMemoriam

Lyon Arnold Kaufman, BA'39, Amherst, N.S., on October 15, 2010

Daniel Andrew Eisenhauer, BEng'45 (NSTC), LLD'09, Lunenburg, N.S., on October 28, 2010

Harry Oswald Coish, BEng'44 (NSTC), Toronto, Ont., on August 13, 2010

Hyman Leo Woods, BSc'46, Thornhill, Ont., on September 16, 2010

Gordon Leavitt Shaw Hart, BA'46, LLB'48, Dartmouth, N.S., on September 28, 2010

Donald Johnson Bird, BEng'48 (NSTC), Truro, N.S., on September 14, 2010

Harry Sinclair Corbin, BA'48, MA'49, Indian Harbour, N.S., on September 28, 2010

Harvey William MacPhee, BA'48, MA'50, Truro, N.S., on September 30, 2010

Daniel Allan Soberman, BA'50, LLB'52, Kingston, Ont., on July 17, 2010

Laurie Donald Tufts, BSc'50, BEng'52 (NSTC), Dartmouth, N.S., on August 15, 2010

Lewis Fredrick Faulkner, DEngr'50, Economy, N.S., on October 17, 2010

George Alvin St Onge, BEng'51 (NSTC), Halifax, N.S., on August 6, 2010

Harold Gorden Bowes, BEng'52 (NSTC), Dartmouth, N.S., on August 11, 2010

Robert Milton Wallace, DPHRM'51, Moncton, N.B., on September 19, 2010

Graham McGee Thomas, BSc'51, BEng'53 (NSTC), Halifax, N.S., on October 21, 2010

John Rettie Eugene Parker, BCom'52, St. John's, N.L., on August 14, 2010

Carl Harold Young, LLB'52, Calgary, Alta., on August 17, 2010

Robert Clifford Fraser, BCom'52, Bedford, N.S., on September 26, 2010

David Malcolm Baker, BEng'53 (NSTC), Halifax, N.S., on November 17, 2010

Eldred Hugh MacDonell, MD'54, South Bend, Ind., USA, on October 11, 2010

Charles Andrew Clements, BEng'54 (NSTC), Calgary, Alta., on November 10, 2010

George MacGregor Mitchell, LLB'55, Halifax, N.S., on August 5, 2010

Eli Lawrence Karmin, BA'57, Moose Jaw, Sask., on August 5, 2010

Sherman Maurice Zinck, DDS'57, Lunenburg, N.S., on October 13, 2010

Alexander Daniel MacDonald, BEng'57 (NSTC), Halifax, N.S., on November 6, 2010

Vincent Norton Beck, BSc'58, Dartmouth, N.S., on August 5, 2010

Richard Warren Winter, MD'58, Edmonton, Alta., on October 5, 2010

Gordon John Allon Mack, BSc'58, Halifax, N.S., on November 4, 2010

Bernard Joseph Steele, PGM'59, Halifax, N.S., on October 19, 2010

Ian Kinsman MacLeod, DEDS'61, Bedford, N.S., on November 1, 2010

Donald James Chiasson, BEng'63 (NSTC), Gloucester, Ont., on October 8, 2010

Kevin J M Moriarty, MSc'64, Halifax, N.S., on August 24, 2010

Elizabeth (McPhail) Scholtz, DTSN'65, Tillsonburg, Ont., on July 14, 2010

Thomas Jost Burchell, BCom'66, LLB'69, Halifax, N.S., on August 8, 2010

Dianne Lynn (Keating) Purcell, BA'66, Halifax, N.S., on November 10, 2010

Adrian Simon Chiasson, BEd'67, Sydney, N.S., on July 18, 2010

Eva Maria (Beltinger) Huber, MA'72, MA'74, BEd'77, Halifax, N.S., on July 20, 2010

Richard Theodore Loiselle, MSc'73, Halifax, N.S., on November 1, 2010

Frank Stanley Junior Boyd, MA'75, Saint John, N.B., on October 3, 2010

Deryck W Freeman, BEDS'76 (NSTC), BArch'77 (NSTC), Halifax, N.S., on October 16, 2010

Alexandra Bagwell, BA'77, Toronto, Ont., on November 6, 2010

Dean Murray Hallett, BEd'78, Bridgewater, N.S., on October 17, 2010

Leroy Arthur Weagle, CPA'79, Lower Sackville, N.S., on July 27, 2010

Deborah Leigh (Blacklock) Keevill, BN'88, Waverley, N.S., on September 5, 2010

Holly Lynn Lague, BA'89, Dartmouth, N.S., on August 2, 2010

Christopher Mark Hunter, BEDS'90, MARFP'91, Calgary, Alta., on November 7, 2010

David Francis Morrison, BA'92, Truro, N.S., on October 5, 2010

Brian Thomas Windeler, BA'93, Port Hawkesbury, N.S., on October 16, 2010

Andrea Jean Rose, BSCA'93, Outer Cove, N.L., on October 24, 2010

Aaron Daniel Beaton, BEng'98, Erie, Pa, USA, on September 25, 2010

Danielle Marie Derks, BA'06, Courtice, Ont., on September 23, 2010




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Corinne MacDonald, P.Eng., B.Eng. (Industrial)'89, Ph.D.'06

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theBackstory

IRON MAIDEN

NAME Heather Doucette

HOMETOWN Yarmouth, N.S.

EDUCATION BSc'03, DDH'94

POSITION Assistant Professor
of Dental Hygiene

PASSION Ironman competition

FROM HERE TO THERE A competitive swimmer as a child, Heather competed in triathlons until she was sidelined with an injury. Coming back, she returned to competition and captured the provincial triathlon trophy in 2008, 2009 and 2010.

A NEW CHALLENGE The next step was an Ironman competition – that's a 3.8 km swim and a 180 km bike ride topped off with a 42.2 km marathon.

A NEW ATTITUDE "It's usually so gut-wrenching for me. I'm all out the whole way. But this time, I didn't have the pressure. My daughter was looking at the photos the other day and she says, 'Mommy, you're actually smiling.'"

RESULT Heather, age 42, placed 15th in her category in Ironman Canada held Aug. 29 in Penticton, B.C. Now that she knows she can do it, she'll work on improving her time.

WHAT ELSE? Three weeks later, she was bound for Greece to take part in a fundraiser for the St. Leonard Society of Nova Scotia. It involved swimming from island to island, five kilometres a day, six days in a row. "It was so fun to be part of a team. It made me love swimming again."

WHAT'S THE LESSON HERE? "For students, I think it's important for them to know you can have a career and something else. It doesn't have to be all one thing. You can have balance."

Research: Marilyn Smulders



Find the derivative

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

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

$$f'(x) = \lim_{h \rightarrow 0} \frac{(x+h)^2 - x^2}{h}$$
$$= \lim_{h \rightarrow 0} \frac{x^2 + 2xh + h^2 - x^2}{h}$$

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In a career that spans five decades, Robbie Shaw (LLB '66) has worked in many places, in many roles. In all this time, one thing has endured: his Tiger Pride. To display that pride, Robbie gets all his Dal clothing and gear at the Dalhousie Bookstore – because school spirit is always in style, no matter what the season.



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