

# Dalhousie

Stress-busting  
puppies (page 4)

What does it take to make it as a Dal varsity athlete?  
Find out on page 7



the puck stops here



Hockey Canada's  
Michael Bruni (LLB'77)  
and concussions

## the changing classroom

Farewell to President  
Tom Traves

Dal's 87th  
Rhodes Scholar  
Off to  
Oxford



Mackay-Lyons  
Sweetapple Architects  
Grounded in  
Nova Scotia

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“I will always be a Dalhousian.  
Dalhousie is in my DNA.”

W. Andrew MacKay (1929-2013)  
BA'50, LLB'53, LLM'54, LLD'03  
President and Vice-Chancellor, 1981-86

### **A proud Dalhousian – a meaningful legacy.**

The late Andy MacKay is one of a growing number of Dalhousie alumni who have played a special role in shaping the university and its place in the world. In a very real way, their support defines the Dalhousie experience and affords life-changing opportunities. Andy MacKay provided a bequest in his will for the scholarship established in 1986 that bears his name, ensuring his legacy continues for generations of Dalhousians.

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

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



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# Dalhousie



## 22

### Building a Better World: Dr. Mina's legacy

She graduated from Dal in 1904, but Dr. Jemima MacKenzie's life still resonates  
*by Marilyn Smulders*



## 14

### The changing classroom

How Dal is fostering innovation in teaching, now and into the future  
*by Chris Benjamin (BComm'97)*

## 8

### A president's legacy

Colleagues reflect on President Tom Traves and his 18 years at Dal's helm  
*by Eleanor Beaton*



## 18

### Grounded in Nova Scotia

For Halifax architecture firm MacKay-Lyons Sweetapple, a design approach rooted in Nova Scotia's landscape has led to national and international acclaim  
*by Andy Murdoch (BA'95)*

## 25

### Helping hands

Six alumni show their commitment to Dalhousie  
*by Mark Campbell and Joanne Ward-Jerrett*

## 11

### Head in the game

Hockey Canada's chair Michael Bruni (LLB'77) leads the way on concussion prevention  
*by Ryan McNutt*

FROM THE EDITOR	2
GUESTVIEW	3
UPFRONT ON CAMPUS	4
DALUMNI	30
CLASS NOTES	34
IN MEMORIAM DR. W ANDREW MACKAY	35
THE BACKSTORY GAYE WISHART	40



Hockey Canada's chair Michael Bruni (LLB'77) on keeping respect in the game, p. 11.



Photo: Ewan Nicholson Photography

## Changing views



While rooting through a vintage clothing and antique store on a trip to Toronto, I happened upon an enchanting photo taken in 1904. Twelve young women in high-collared blouses stand side by side, holding up the letters to spell out “Naughty Fours,” presumably referencing their graduation year in “nineteen-naught-four.” I was intrigued: Who were these women? And what might have been going through their minds as they looked forward to a new century? It wasn’t until I returned home to Halifax that I noticed the faint imprint of a photographer’s stamp on the photo’s mat: “Gauvin & Gentzel, Halifax, Canada.” Without realizing it, I’d brought those young women home too.

I don’t usually buy someone else’s old photos, but this one captured my attention because it made me stop and shift my perspective. So often we’re focused on getting through the next day, week or month that we forget to lift our heads high enough to look further into the future. Knowing what awaited the young women in the photo – two world wars, a massive shift in women’s lives and possibilities – made me think about the possibilities for change, both good and bad, in the world we live in now.

I thought of those young women when the story of Mina MacKenzie (p. 22) crossed my desk. A contemporary of the Naughty Fours, Dr. MacKenzie was one of Dal’s first female graduates in medicine, a woman who, with her actions and determination, challenged others to change their views of what was possible.

Expanding our views of the possible is a Dal trait, and that theme echoes through other stories in this issue as well: in the story of Michael Bruni (p. 11), who in chairing Hockey Canada is leading efforts to take head injuries out of the game; in the profile of architects Brian MacKay-Lyons and Talbot Sweetapple (p. 18), who are changing the way the world looks at Nova Scotia architecture; and in *The Changing Classroom* (p. 14), our exploration of how Dal is positioning itself to lead the way in classroom innovations and improved learning experiences.

And finally, someone who has certainly expanded the view of the possible at Dalhousie is President Tom Traves, who wraps up 18 years at the university’s helm this spring. Read about his accomplishments on page 8 – and be sure to check out his advice to himself, wise words that would serve anyone seeking to change their world, their workplace or their community for the better. ■

Kim

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### DALHOUSIE MAGAZINE

appears three times a year.

Do you have an interesting alumni-related story to tell?  
Submit your ideas to [editor@dal.ca](mailto:editor@dal.ca).





**Floyd Dykeman,**  
Vice-President External

Photo: Danny Abried

## What do you want from Dal?

Sometimes the best way to gain perspective is simply to ask. That's what we have done over the last year as a first step to enhancing our alumni programming and communications. Our Alumni Relations team has had many conversations with alumni at receptions, chapter events and other networking functions. We also held focus groups across the country to learn how the level of interaction and engagement with your alma mater could be deepened. It's not easy to reach you all – the Dalhousie alumni family is over 115,000 strong – but we endeavoured to connect with people of different ages, academic backgrounds and geographic areas.

Given Dalhousie's long history, academic breadth and diverse student population, it was expected that our alumni would have distinct memories and opinions. And you certainly did! However, there were motifs that traversed all alumni, regardless of degree or demographics.

**You asked us to unite you.** To help you to feel part of the Dalhousie alumni family. To give you something to feel an affinity to on your terms.

## It is you, our alumni, who shape Dal's reputation

**You want us to be great storytellers.** To write about fellow alumni you can aspire to. To connect you to Dal's history, traditions and future.

To inform you about successes that enhance your alma mater's reputation.

**You asked that we provide options to connect.** Some folks want to catch up with former classmates. Others want to meet potential employers or reminisce with former professors and staff. Still others want to connect with current students and help them succeed. You look to Dal to provide these avenues.

These three thematic areas will guide the formation of a comprehensive program that is more relevant and meaningful to our alumni family.

Over the next few months, change will be gradual but steady. In fact, this issue of *Dalhousie* serves as a launch platform for the *Building a Better World* program (p. 22), whereby we showcase alumni who have truly made a difference in the world.

Our new alumni website is now active ([alumni.dal.ca](http://alumni.dal.ca)) and our e-newsletter is new and improved. Ten chapters have been established in North America, Great Britain, Hong Kong, Bermuda and the Bahamas. We're expanding our alumni/student mentoring program and, this year, we'll host more than 60 alumni events. And we will be providing more volunteer opportunities for alumni to help make Dalhousie an even more successful university.

The new and enhanced programming is meant to meet the needs and expectations of Dalhousie's greatest ambassadors – our alumni. For it is you – as you make your mark in the world as people of community, authority and influence – who truly shape this university's reputation.

Many thanks to those who provided valuable insight. To those we missed but who would like to share opinions and ideas, you can do so at [alumni@dal.ca](mailto:alumni@dal.ca). ■

# Upfront on campus

## Business school naming honours long connection

Dal President Tom Traves jokingly called it “the worst-kept secret in Nova Scotia.”

He was probably right. After all, when the Faculty of Management announced that its School of Business would be wearing a new name, what else could it have been than that of its greatest ambassador and champion, the man whose guidance, financial support and passionate commitment has helped shape the school?

“From today forward, our school will proudly hold the title of the Kenneth C. Rowe School of Business,” Dr. Traves announced on Sept. 28 to thunderous applause from the crowd filling the atrium of the building that also bears the Rowe name.

The honour recognizes Mr. Rowe’s long connection with the School of Business. He has served on the school’s advisory committee for more than 20 years, 10 of them as its chair. He’s also been a member of Dalhousie’s Board of Governors and currently sits on the Dalhousie Advisory Council.

Some of his greatest support has been as a financial benefactor, and the millions he has given to the university over the years have made a huge difference in the lives of Dal’s students, supporting scholarships, academic initiatives, infrastructure and more. He was the lead donor on the capital campaign for the Rowe building and as part of the *Bold Ambitions* campaign, he made one of the largest donations in Dalhousie’s history: \$15 million for the School of Business.

Speaking at the event, Mr. Rowe thanked Dr. Traves for his steadfast support of the School of Business, and saluted the school’s commitment to a modern, values-based business education. But he directed most of his remarks to the students in attendance.

**“I hope it does inspire you in some way [to realize] that what I’ve achieved is exactly what you can achieve,”** he said.

*Ryan McNutt*

## Help bring investment to N.S.

Are you interested in helping to bring new investment to Nova Scotia and creating opportunities for Nova Scotia companies to grow internationally? ConnectNS, a new initiative led by Nova Scotia Business Inc., aims to involve Nova Scotians, expats and alumni in growing Nova Scotia’s economy. Visit [ConnectNS.ca](http://ConnectNS.ca) today to find out more.

*Kim Pittaway*



Photo: Danny Abriel

## Dal makes news with Puppy Room

Considering their reputation for eating homework, dogs may not seem like the ideal study buddies. But for hundreds of Dal students eager for a break from the stresses of exam period, the Dalhousie Student Union’s “Puppy Room” was just the friendly, furry reprieve they were looking for.

And it was a hit with news media as well, with coverage by outlets such as *Huffington Post*, CBC’s *The Current*, *The Toronto Star*, NPR (National Public Radio), *Yahoo News*, *The National Post*, *Cosmopolitan* magazine and many, many more – as far away as India.

By the time the doors opened in December for the first of three Puppy Room sessions, more than 100 students were in line to hang out for a few minutes with a Labradoodle, a Sheltie and a Golden Retriever – all volunteering their time through the non-profit Therapeutic Paws of Canada (TPoC). Though the DSU looked into having actual puppies, there were too many concerns about how young dogs would be affected by large crowds. That’s why all of the canines provided by TPoC are at least one year old and specifically prepared for the sort of intense love and affection you’d expect in a Puppy Room.

The idea for the event came from Michael Kean, a third-year Environmental Science student, who had heard of a similar program at McGill. “A lot of people are really stressed at this time of year, with exams and papers,” he explains. “Many are also missing their own dogs at home too. And some just are looking for a break from their studies.”

*Ryan McNutt*



## Dal alumni honoured by NS Sport Hall of Fame

Dalhousie makes it to the top of the class yet again as three Dal alumni were enshrined into the Nova Scotia Sport Hall of Fame in November.

■ **Steve Giles**, world champion canoe sprinter, has three Dal degrees to hang beside his medals. A three-time Olympian, Dr. Giles is also a three-time alumnus, completing a Bachelor of Science in 1997, a Bachelor of Engineering in 2002 and a doctorate in 2005. He put in an impressive 16 years with the Canadian canoe-kayak team and competed in seven world championships, collecting one gold and three bronze medals.

Between studying, Dr. Giles competed at the Barcelona, Atlanta and Sydney Summer Olympics, bringing home bronze in the one-man 1000-metre event from Sydney in 2000. Since the Athens Olympics, he has retired from competition and is now a full-time electrical engineer.



■ **Jack Graham** has taken his knowledge of law and education to local, national and international courts – tennis courts, to be exact. The Sydney, Cape Breton, native started playing tennis when he was 12. While earning his Bachelor of Education (1985) and Bachelor of Laws (1988) degrees at Dalhousie, Mr. Graham began volunteering with Tennis Canada. Besides becoming a certified coach, Mr. Graham served as development coordinator for the Nova Scotia Tennis Association, held the position of president of the provincial Tennis Association from 1995 to 2001 and then joined the board of Tennis Canada, acting as chair from 2003 to 2006. In 2009, he became the first Canadian to ever sit on the International Tennis Federation Board. He still holds the position today and is also the director of the International Tennis Hall of Fame and vice-chair of Tennis Canada.



■ **Howard Jackson** supported volleyball with his talent and passion for more than 40 years. In the mid-1970s when he was earning his Bachelor of Physical Education from Dalhousie, Mr. Jackson became certified for officiating volleyball at a national level. In 1983 he became one of only two Nova Scotians to be certified as an international referee and also started as assistant coach for the Dal women's volleyball team. Throughout his long career as a physical educator, Mr. Jackson also shared his coaching skills with the Dartmouth Combines, Mount Saint Vincent University and the 1979 Canada Games women's volleyball teams. His calm and caring attitude earned him the coach-of-the-year distinction from the Nova Scotia College Athletic Conference three times. He trained new generations of volleyball officials as a national clinician and evaluator and was still on the courts at AUS competitions until 2011. Mr. Jackson passed away on November 10, 2011, but his memory lives on with the many players, colleagues and students whom he influenced.

*Katherine Wooler*



Photo: Nick Pearce

## Agriculture student is ready for Rhodes

It was a moment Paul Manning, a fourth-year environmental sciences student in Dal's Faculty of Agriculture, won't soon forget. While walking alongside classmates in Truro's Santa Claus parade – wearing a cardboard airplane, no less – he got the call that he had been awarded one of the two 2013 Rhodes Scholarships for the Maritimes.

"I could barely hear it over the music of the float, and people in the crowd," he laughs. "The others on the float knew I was waiting for the call, so it was really tense and when the secretary said he had some good news for me, I was in complete shock, so incredibly excited."

The Rhodes Scholarships, awarded since 1903, were established from the will of famous magnate Cecil Rhodes. They're awarded throughout the Commonwealth, the United States and Germany, providing full expenses to travel to, and study at, the University of Oxford for two years, with an option for a third. Their value is in excess of \$100,000.

With his award, Mr. Manning becomes Dalhousie's 87th Rhodes Scholar.

Mr. Manning, who specializes in organic agriculture, has a stellar academic record, with two Undergraduate Student Research Awards from the Natural Sciences and Engineering Research Council (NSERC) to his name. He's currently working on his fourth-year project on nocturnal pollinators in blueberry production.

He's also the president of the Dalhousie Agricultural Students' Association. He's interned with the Canadian International Development Agency, organized flood relief efforts for Pakistan and is an accomplished athlete – he was named most valuable player on the Rams' cross country team last year.

Mr. Manning's plan is to pursue a Masters of Science in zoology, with a focus on ecology and conservation. He says he's excited to study in an environment with the scholarly diversity that Oxford offers, but he's eager to make his career back home when all is said and done.

"I really want to come back and work in the Maritimes, and work in the agricultural sector, hopefully with some teaching and research... It's where my roots are."

*Ryan McNutt*

## How can we improve?

*Dalhousie* magazine wants to know what you think of what you see on our pages – and to hear your ideas for how we can make the magazine even better. Soon, we'll be sending out an e-mail survey to the alumni database asking for your thoughts. (Not in our database – or not sure? You can register by sending an e-mail to [alumni.records@dal.ca](mailto:alumni.records@dal.ca).) The web-based survey takes just a few minutes, and will provide valuable information as we make improvements to the magazine over the next year.

Watch your e-mail inbox, and then please take a few minutes to share your thoughts!

## Dal medical grads among Canada's top family docs

Atlantic Canada's top family physicians of 2012, selected by the College of Family Physicians of Canada, all have connections to Dalhousie University. The College names one physician from each province to its list annually, and the most recent winners include:

■ **Dr. Greg Donald** of New Brunswick. Dr. Donald completed his medical education at Dalhousie in 1979, and has practised family medicine at the Moncton Medical Clinic for 32 years.

■ **Dr. Jane Brooks** of Nova Scotia. Dr. Brooks earned both her doctorate in microbiology (1993) and her medical degree (1997) at Dalhousie. She and her husband Eric formed the Middleton Collaborative Practice, considered a pioneer in collaborative practices in Nova Scotia.

■ **Dr. Paul Kelly** of Prince Edward Island. Dr. Kelly graduated in 1972, and is currently resource physician to the integrated palliative care team with Prince County Hospital, where he has served as chief of staff and head of family medicine.

■ **Dr. Edgar Mayo** of Newfoundland and Labrador. Dr. Mayo completed his internship at Dalhousie in 1975. In addition to his family practice, he serves as an E.R. physician at the Burin Peninsula Health Care Centre and travels by boat to provide health care to three remote communities on Newfoundland's south coast.

*Kim Pittaway*

## Introducing Richard Florizone, Dalhousie's 11th president

Richard Florizone – a man who at age 44 has amassed a uniquely diverse set of experiences in academia, government and the private sector – is set to become Dalhousie's 11th president, effective July 1, 2013.

Since 2005, Dr. Florizone [pronounced “floor-i-zone”] has served as vice-president (finance & resources) at the University of Saskatchewan, leading major projects in student experience, research and teaching infrastructure, while continuing to be active as an academic. He also served as a Policy Fellow in the Johnson-Shoyama Graduate School of Public Policy. Currently, he's on secondment in Washington, D.C., as senior advisor to the World Bank Group's International Finance Corporation, conducting research and advisory work on public-private partnerships.

And that just scratches the surface of a CV that includes Bombardier Aerospace, the Boston Consulting Group, the University of Cambridge and a PhD in physics.

“I've been fortunate to have a pretty diverse career, working across the university, corporate and government sectors, in a lot of different countries, but my heart keeps bringing me back to the university,” says Dr. Florizone.

**“I'm incredibly passionate about universities and our mission of teaching, research and community engagement. So for me, this is a unique opportunity to use all my skills and experiences to, I hope, help make a great contribution to society.”**

Dr. Florizone's selection was unanimously supported by Dal's presidential search committee, which consisted of six Board representatives, six faculty representatives and two students.

“We couldn't be more excited to welcome a leader with his credentials,” says Jim Spatz, chair of Dal's Board of Governors and the chair (non-voting) of the search committee. “It is unusual to find someone with his accomplished academic background, extensive consulting and strategic planning experience in the business world, and his public policy contributions provincially and globally. Richard Florizone is the kind of leader that doesn't come along every day.”

*Ryan McNutt*

*Editor's note: Watch for a profile of Dr. Florizone in the next issue of Dalhousie magazine.*

*Photo: Danny Abriel*





## Head to toe: The Dal athlete

**WHAT DOES IT TAKE** to lead a Dalhousie varsity team? For Rieka Santilli, co-captain of the women's soccer team and this season's AUS conference MVP, it's a combination of dedication, no fear – and the cleanest uniform on the field.

**PLAYING SMART** Academic All-Canadians like Ms. Santilli, who graduated with a commerce degree in December and has taken a position at Ernst & Young in Halifax, have to maintain a minimum GPA of 3.43.

**BULKING UP** Before coming to Dal, Ms. Santilli was cut from the National Training Centre, in part because she was “too small.” She bulked up, working with a personal trainer. During regular season play, she averaged 11 to 13 hours on the pitch per week.

**PLENTY OF HEART** Tigers' coach Jack Hutchinson credits Ms. Santilli's success as co-captain to her drive: “She demands excellence from herself and everyone around her and is willing to put the effort into working for results. She understands that one does not come without the other.”

**THE INJURED LIST** A concussion in second year, fractured fibula in third year and a knee injury during fourth-year pre-season: all pushed Santilli off the field until she recovered, but she was never far from the team. Players are expected to attend practices and games, even when they're on the injured list.

**KEEPING IT CLEAN** Ms. Santilli doesn't trust just anyone with her laundry, not the varsity athlete laundry service, “not even myself!” Mom Christine keeps her home game whites pristine.  
*by Erin Stewart (BA'04)*

**BY THE NUMBERS**  
**281** Number of Dalhousie varsity athletes  
**93** Number of Dal athletes who qualified as 2012 Academic All-Canadians  
**19** Ms. Santilli's fourth choice for jersey number. Her favourite number six was taken. Flip it to nine? Taken too. Add a one? Nope, 16 gone as well. So 19 became hers.  
**11** Ms. Santilli was one of 11 rookies on a squad of 22 when she joined the team in 2008.







# A PRESIDENT'S LEGACY

BY ELEANOR BEATON

REFLECTING ON 18 YEARS WITH PRESIDENT TOM TRAVES AT DALHOUSIE'S HELM

When Chris Saulnier (BEng'12), a past president of the Dalhousie Student Union, reflects on the dozens of conversations he has had with Tom Traves on issues as contentious as tuition increases, what he remembers most isn't what Dalhousie's outgoing president said, but what he did.

"He really listened," says Mr. Saulnier. "He was conscientious and careful, he treated me with great respect and made sure I understood his point of view." People who have worked closely with Dalhousie's long-standing president echo Mr. Saulnier's description of him as an unflappable force who navigated the complex world of academic governance with quiet strength and incisiveness. "As president, you have an incredible constellation of people who have to be kept happy – your board, faculty, students and the community," says Claire Morris, a Traves family friend and the former president and CEO of the Association of Universities and Colleges of Canada. "Tom did it for 18 years, which is a remarkable achievement."

And while President Traves's tenure as one of Canada's longest serving university presidents is a testament to his ability to build consensus and offer strong leadership, his greatest contribution extends far beyond the university he served, colleagues say. "Tom was the leader of a new, 21st-century approach to running a university," says Senator Donald Oliver, a close friend and former governor of the Technical University of Nova Scotia. "He didn't simply run a university, he ran a big business in Halifax." And this modern, business-like approach to university leadership has had enormous implications not only for Dalhousie, but for universities throughout the region.

"Years ago, university leaders needed a PhD, administration skills and the ability to attract good deans," says Senator Oliver. But in the new economic climate of rising costs and tightening government transfers, he notes that business acumen became a crucial skill set for a modern academic leader. And while today's universities automatically seek presidents who come equipped with business chops, it was a trend that got its start with President Traves, observers say.

A PRESIDENT'S

# ADVICE TO HIMSELF

*We asked President Tom Traves what counsel he would have offered to himself on his first day on the job 18 years ago. His words provide guidance that applies well beyond a president's office.*

Looking back, I would have said six things:

**Focus on the big picture,** develop an annual plan with measurable outcomes of success and don't sweat the small stuff.

**Communicate your key messages** repeatedly and everywhere you go. It takes time for new thoughts or expectations to sink in for large groups of people.

**Celebrate colleagues' achievements** and use their examples to set clear aspirations for everyone.

**Get out a lot and get to know people.** You need to develop a network of people whose views you respect and listen carefully to what they say about Dalhousie and the job you're doing.

**Remember that the president largely operates by persuasion,** so keep your message clear and always enhance the moral authority of your office by clearly acting in the best interests of the university.

**Have fun.** This job is a once in a lifetime opportunity, so just do your best and enjoy the pleasure of working with great people in a wonderful cause. ■

"When Tom arrived, the university finances were not in good shape, and morale was low," remembers Bill Black, a Dalhousie alumnus and former CEO of Maritime Life who now serves on the Board of Governors. Recognizing that the two problems were likely connected, President Traves quickly took measures to address the budget imbalance by working more closely with the university's budget advisory committee, a move that has helped to maintain balanced budgets throughout his tenure.

"He is a master of transparency, and put in place a discipline around managing financial issues that is second nature in business, but wasn't as common in the academic world," says Mr. Black.

This commitment to transparency also helped to smooth one of the most contentious issues with another important stakeholder group: students. Former DSU president Saulnier points to a tuition consultation policy adopted by the board during the 2011-12 budget process that lays out exactly how students are to be consulted for proposed tuition increases. "It created a much fairer process for students," he says.

President Traves's sense of discipline has also extended into the world of research. "He understood that you can't be good at everything, and worked to bring a sense of focus to research," says Mr. Black. Nowhere has this focus been so pronounced as in the area of ocean sciences, where President Traves has looked for opportunities to not only partner on research projects with businesses such as Ocean Nutrition and Acadian Seaplants, but also to use these partnerships to leverage additional research funding from governments eager to support research endeavours that ultimately benefit the local economy.

"Universities had been resistant to that, but Tom understood he had to pay attention to what governments wanted and how Dalhousie could help advance those aims," says Mr. Black.

When President Traves arrived in 1995, research funding was around \$36 million annually, a figure that has swelled to almost \$150 million in 2012. As well, he led efforts to renew and expand Dalhousie, with mergers with Technical University of Nova Scotia and Nova Scotia Agricultural College occurring under his watch, the addition of the Dalhousie Medicine program in Saint John, and four new faculties and 13 new buildings on campus.

This growth in enrollment, research capacity, faculties and real estate has had enormous implications on the academic life of the university, says Dr. Chris Moore, dean of the Faculty of Science. "He has extended the university's reach and enabled Dalhousie to play on a larger scale." This in turn has helped to attract not only students, but also faculty of the highest calibre, says Dr. Moore. The growth of the university and physical transformation of University Avenue under President Traves "sends a message that this is a place where things are happening," says Dr. Moore.

President Traves's ability to balance budgets, build research capacity in key areas and improve relationships with major stakeholder groups such as governments, other universities and the business community has boosted enrollment and strengthened Dalhousie's position nationally, says Gail Tomblin Murphy, a professor in the School of Nursing and a member of the Board of Governors. And through it all, President Traves has maintained a strong personal connection with staff and students. "I feel like I know my president," says Dr. Tomblin Murphy. "And that has been a great honour." ■



BY RYAN MCNUTT

# HEAD IN THE GAME



The story of concussions in hockey doesn't start with Sidney Crosby. And thankfully, reaction to the NHL star's career-pausing injury suggests it won't end with him, either.

But when arguably the best player in the game, at the peak of his abilities, missed an entire calendar year in 2011-12 due to recurring symptoms from a pair of on-ice concussions, people took notice.

Crosby's story was all too familiar to Michael Bruni (LLB'77), chair of the board of Hockey Canada, the country's national governing body covering all levels of the sport. Like many who've grown up around the game of hockey, he's seen first-hand the devastating effects that head injuries can have on the lives of young players.

"Concussions hit home to me," says the lawyer, who became the organization's chair in June 2011. "My oldest son, Jesse, who was a very good hockey player, had his university hockey career ended after several concussions. He's 30 now, and still sees the effects from time to time. There's no question that the impact that concussions can have on our players' lives is one of the most critical concerns in the game right now."

Photo: Ewan Nicholson Photography

WINTER | 2013

Michael Bruni

**M**r. Bruni's experience in minor hockey stretches across more than 30 years. He started volunteering the way most parents do: as a way to contribute to his kids' pastime. (Mr. Bruni and his wife Janice, who graduated from Dal law the same year, have three sons and a daughter.) As the years went by, though, his involvement became as much about keeping the game both fun and safe for the next generation of young players.

"It's about respect for each other, respect for yourself and your well-being, and respect for the game," he explains. "It has to be seamless. If you approach life with an attitude of respect, it shouldn't change when you go on the ice."

Whether it's about helping reform Hockey Canada's governance structure, or working with staff and management on national education initiatives, Mr. Bruni sees himself as a steward for cultural change in his role as chair. "You want to evolve from an attitude to a culture to a

"It's an open question as to how many concussions are out there, because it's clear that they've been grossly underreported for decades," he says. "A reported concussion 10 years ago is not the same as a reported concussion today. Many of them would never have seen the light of day back then."

Complicating matters further is that, despite advances in scientific knowledge, we still don't really know all that much about what goes on in the brain when a concussion occurs.

"I would say that 90 per cent of the brain, we don't understand at all," says Dr. Stan Kutcher, Dal psychiatrist and the Sun Life Financial Chair in Adolescent Mental Health. He's encountered concussions as both a mental health clinician and as a minor hockey and soccer coach. (He's also suffered three sport-related concussions himself through the years, one of which was serious enough to warrant a hospital stay for several days.)

## "WE'VE MADE GREAT PROGRESS, BUT THERE'S A LOT OF EDUCATION WE HAVE TO KEEP IMPARTING"

paradigm. It's staying relevant through the courage to change. That's what motivated me at the outset, and it still motivates me today."

At times, this work is a challenge. The hours are certainly long: Mr. Bruni says that his Hockey Canada post is akin to a second full-time job, alongside his work with the Energy Resources Conservation Board of Alberta. But it's more that enacting change in a large, multifaceted organization like Hockey Canada isn't easy, even on an issue as important as head injuries.

"We've made great progress, and we have to keep pushing along that route," he says. "But we're working to change behaviours in parents who send their kids back too soon, or coaches struggling to identify when kids are actually hurt. There's a lot of education we have to keep imparting."

**E**ducation and awareness of concussions have come a long way from the idea that "getting your bell rung" is just part of the game. It's advanced to such a point that experts like Dr. Kevin Gordon, a pediatric neurologist with Dalhousie and the IWK Health Centre, say the long-term data about the prevalence of head injuries is increasingly unreliable.

"The outcome of concussion depends on where in the brain the injury occurs, what connectivities it impairs, plus where the brain is in its own growth and development," he explains. "That's why concussions that occur in young people may have more profound impacts than concussions that occur in someone my age, because it can affect the long-term development of the brain."

For the vast majority of individuals, somewhere around 80-85 per cent, concussions are benign and self-limited if treated properly, says Dr. Gordon. "In the remainder of cases, some can have longer effects and for a small subset, they can be life-changing."

The most common symptoms of a concussion are headaches, blurred vision and dizziness/nausea. In cases where a significant brain injury may have occurred, the effects can range from major cognitive difficulties and trouble sleeping, to serious depression and other mental health issues.

The greatest risk may well be in a second injury, when a player who hasn't fully recovered through cognitive and physical rest returns to play too quickly and takes another hit. That's what happened in Sidney Crosby's case, and it's why keeping players from getting back onto the ice before they've healed is a top priority in preventing head injuries.



Thankfully, for the most part, the days of “sucking it up” are over. Across the country, minor hockey organizations are adopting strict standards to remove players upon suspicion of a concussion and to keep them from returning to play until approved by a physician.

That process isn't without its problems – placing burdens on family clinics, for one – but it's a big step forward.

Dr. Gordon says that he sees hockey culture changing left, right and centre – and he'd know. In 2006, he blew the whistle on the prevalence of a locker room game called “Helmets and Gloves” with a paper outlining how a lack of supervision was enabling off-ice boxing contests, leading to concussions and head injuries. Today, with that activity appearing to be in decline, he's noticed that players, coaches and parents are all much more conscious about head injuries on the ice as well.

“My practice was a disaster when Sidney was out,” he says. “I was pretty much doing full-time concussion management ... we actually began seeing kids come in where the diagnosis didn't end up being a concussion. That was extremely rare before Sidney's injury.”

Dr. Kutcher and his team have published a pair of brain injury guides – one for youth and one for parents, coaches and educators – that are available for free online, and are making their way across the country thanks to sponsorships.

As for Mr. Bruni and Hockey Canada, they've been at the forefront of this movement. The national body has a zero-tolerance rule on the ice, where even accidental hits to the head result in penalties. It has been diligent about responding to the latest concussion research and last October launched the free Hockey Canada Concussion Awareness app for iPhone/iPad, Blackberry and Android devices, providing players, coaches and parents with easy-to-use information at their fingertips.

There's still plenty to be done, but Mr. Bruni hopes that his message of respect is resonating.

“Hockey is a contact game, and there are some accidents that happen,” he says. “But I think fundamentally, if respect permeates the game, and if we keep safety as a priority, we'll continue to make major improvements and help keep the game both fun *and* safe.” ■

**MORE** To view and download the Sun Life Financial Chair's Brain Injury Guides, visit <http://teenmentalhealth.org/understanding-mental-health/brain-injury-what-you-need-to-know/>

And to download Hockey Canada's concussion app, visit <http://www.hockeycanada.ca/apps>

## Keeping hockey Tigers healthy

The Dalhousie men's varsity hockey team is no stranger to concussions. Each year, a small handful of players miss ice time due to suspected head injuries – most of which, thankfully, are minor.

“We always err on the side of caution when dealing with potential concussions,” says head coach Chris Donnelly. “The athlete's well-being always comes first.”

Kyle Penny, the team's trainer for 13 years, says players with a suspected concussion are immediately removed from play and are assessed using SCAT 2 process (that's “Sport Concussion Assessment Tool”).

From there, if a player shows concussion symptoms, he's encouraged to rest and avoid activities that could aggravate his condition (stress, eating or sleeping poorly). Before he can return to play, the athlete must complete a series of steps, each without having symptoms recur. These include:

- Experience “normal,” symptom-free days.
- Complete 10-15 minutes of light, low resistance exercise on a stationary bike.
- Complete a high-intensity bike workout for 20-30 minutes.
- Take part in non-contact practice.
- Participate in contact practice.
- Return to play.

This process depends on clear, honest communication between the players and the team's staff, but Mr. Penny says that's not a problem with today's athletes.

“They really look out for themselves. They've seen their teammates who've dealt with concussions, and as students they know how important their ability to concentrate is for their studies. They take it seriously.” ■



# the changing classroom

BY CHRIS BENJAMIN (BComm'97)



## HOW DAL IS FOSTERING INNOVATION IN TEACHING, NOW AND INTO THE FUTURE

On a Tuesday night in November, in the Learning Incubator & Networking Centre (LINC) at the Killam Library, undergraduates gather on couches around screens for 15 minutes before their professor, Dr. Mary Kilfoil, arrives. Nine teams of three or four students from business, computer science, engineering and science faculties log onto Google Docs. They present on everything from licensing a spring-loaded device for knee braces to generating capital for an IT system for the deep-pocketed reinsurance industry. They've prepped on their own time, watching a video on Udacity – a privately-owned massive open online course, or MOOC. They've consulted potential clients, exposed ideas to the talons of real consumers, seeking elusive profitability. They learn more about entrepreneurship this way than they ever could from a lecture.

This is one of a number of new learning models being tested by Dalhousie faculty, in pockets of innovation stitched through the campus – and watched with interest by many, including Dr. Fiona Black, director of academic planning and leader of Dalhousie's Academic Innovation Initiative, which aims to create a vision for how curriculum is developed and delivered in 2020 and beyond. "How can we profile those innovations, share them and foster an ongoing culture of innovation?" asks Dr. Black.

The innovation initiative has high profile. President Tom Traves and Vice-President (Academic and Provost) Carolyn Watters grace the homepage ([dal.ca/dept/academic-innovation.html](http://dal.ca/dept/academic-innovation.html)), where students, faculty, staff and alumni

contribute to an ideas bank and blog. Institution-wide events, departmental meetings and in-person consultations are being held all year. Funding is being directed to specific initiatives. "We want to allow faculty to take risks and not fear failure; tenure isn't affected if an idea doesn't work out," says Dr. Black.

By year's end, there will be a detailed plan for two to three large-scale ideas that may be implemented across most undergraduate programs. Students are crucial contributors and have shared their thoughts, particularly in regard to undergraduate education. And innovations aren't on hold while the initiative does its work: faculties and professors are already moving ahead, with promising results.

### Making it real

As one entrepreneurial team presents its findings to cohorts in the LINC, Dr. Kilfoil reminds them that not every detail of the plan will be sorted by term's end. This is the beginning of a longer-term process. "It's about understanding the components of the business model," she says. It's trial by error; failing early is encouraged so that success will come sooner.

Another group, focused on student services, is already on its plan B. Its first effort, a couponing service, didn't find profit potential. But this second idea, a Facebook application matching job seekers with odd jobs, looks more promising. One mentor suggests charging a percentage of the job value rather than membership fees. "So you aren't asking people to pay for unproven benefits," he says.

The class is called Starting Lean, and it's unique in Canada. Based on the work of Silicon Valley serial entrepreneur Steve Blank, it acts on the insight that startups aren't simply smaller versions of corporations, which already know who their customers are and how to price their products. Startups must figure out who to partner with, what the products will look like, who will buy them, how to get them to market and what to charge. Without that knowledge, they are faith-based enterprises needing testing – serious off-campus legwork.

The search process is guided by experts. "Each team has a mentor who is a well-connected successful entrepreneur from the community," explains Dr. Ed Leach, who assists Dr. Kilfoil. "It emphasizes experiential learning, a flipped classroom and immediate feedback to engage students with real-world entrepreneurship."

## THE EXPERTISE OF EACH FACULTY IS IMPORTANT, BUT WORK THAT CUTS ACROSS THE BOUNDARIES IS WHAT ALLOWS A VISIONARY PERSPECTIVE, SAYS DR. BLACK

Some of the startups have already earned attention. Execute Skate and AnalyzeRe received rave reviews from mentors and organizers of Launch36 and were accepted into their five-month accelerator program, a regional initiative to connect promising tech firms to funding and other supports. Execute has developed a skateboard motion sensor ("trick recognition technology") for passing advice to other boarders at specific locations. The group presents on barriers it has just identified, like new U.S. regulations protecting kids from location tracking. AnalyzeRe provides innovative IT services using advanced statistics to bring predictability to the 250 global companies insuring insurance companies, in case of catastrophe. The group has its first client, unpaid, giving its members a chance to work out the kinks and prove themselves.

Between the sessions and video lectures, students are talking to a hundred potential customers. According to Mr. Blank, testing a theoretical business plan with real customers is critical: it's unlikely the plan will survive unchanged, but each failure makes the plan stronger as students integrate feedback and ideas. As a result, when the business is launched, its chances of success are much higher than traditional startups, which have a 90 per cent failure rate.

The mentors and students are working to find ventures that can grow big, often requiring significant investment capital with a high risk of loss. "We think this course contributes to the building of a regional innovation ecosystem," Dr. Leach says of the motivation for launching Starting Lean. "We need to harness the entrepreneurial talent we have right here in order to stimulate economic growth and build long-run economic capacity."

### Connect it to the world

Picture it: after her workout a student cuts across Wickwire Field toward her afternoon lab, sipping coffee, checking messages on her iPhone. Freeze frame. Zoom in on the coffee. Etch dotted lines from the cup; zoom out again. The lines extend from a shrinking map of Nova Scotia, down around Florida, toward Central America. The coffee beans were grown by Guatemalan villagers. Zoom in and see their weathered hands work the earth. Back to the student on Wickwire. What about the iPhone? What is its connection to child soldiers in the Democratic Republic of Congo? What about the land she walks across, unceded Mi'kmaq territory?

This fall a new course, Halifax in the World, will connect students to the globe, past and present. The choice of the phone, coffee and land were arbitrary, yet significant. "What we wear and eat are also connected to European history and colonialism right here," Dr. John Cameron says.

The idea for the course was sparked three years ago in conversation among Dr. Cameron in International Development Studies (IDS) and Canadian Studies professors Dr. Claire Campbell and Dr. Erin Wunker. All faced the challenge of trying to develop and staff courses while working in smaller departments. Perhaps a course that combined the social sciences and humanities, linking quantitative data with qualitative analysis and fiction, could allow them to meet their goals of helping students connect compassionately and empathetically with others around the globe. "We had instant agreement," Dr. Cameron recalls.

Students take an active role. They first familiarize themselves with Hugh MacLennan's classic WWI-era Halifax novel, *Barometer Rising*. They walk the route Mr. MacLennan's protagonist walked, making careful observations, as he did after returning from the war, and finish as he did with a soup and sandwich in a café. They get intimate with the city – the armoury,



navy and transport ships, shops and people. Seeing and experiencing these sites creates opportunities for asking questions about foreign policy, industry, globalization and environment.



Specific attention is paid to contested grounds, including a visit to Africville Park, where an African-Nova Scotian community was evicted in the 1960s after 130 years living there. “We have African-Nova Scotian activists and spoken word artists coming in to talk and perform,” Dr. Cameron says.

The course will challenge students to create a project of positive change in Halifax, “as an antidote to overwhelming information.” That step from awareness to

action is what makes this course both a Canadian Studies course and one in International Development Studies. It has to do with developing global citizens – people who understand the ethical challenges of being connected to the rest of the world, and act on that understanding. “Too much of the focus in IDS is on what happens over there. I haven’t come across any other IDS course that explicitly connects our daily lives in Canada to development issues in other parts of the world,” says Dr. Cameron.

### Break down the silos

Dr. Black, whose job it is to identify and build on innovative courses like Starting Lean and Halifax in the World, says the best innovations often come from breaking down traditional silos. At Dal, that means involving the university’s four campuses, all its faculties and faculty members, staff and students.

“The honed expertise of each faculty is important, but work that cuts across the boundaries of these mini-institutions is what allows a visionary perspective,” says Dr. Black. In turn, that vision equips graduates with the ability to serve society’s emerging needs.

Dr. Cameron’s course is one example of silo busting, straddling faculties and ways of knowing. On a larger scale, the College of Sustainability, which feted its first graduates in spring 2012, has chosen a similar approach.

The program draws from five separate faculties and is governed by a council of the five deans, thus mixing five different worldviews to create a richer, more powerful approach to sustainability. The program was designed with student input as well.

That responsiveness is a good sign for the vitality of any university, and is essential as Dalhousie responds to the demographic and technological shifts happening in society and on campus. “The Academic Innovation Initiative will help Dal build on its natural advantages while putting students, faculty and staff into the educational driver’s seat, so that we remain not only relevant but innovative and exciting into 2020 and beyond,” says Dr. Black. ■



Photo: Kiley Smith

# GROUNDED IN NOVA SCOTIA



Photo: Brian MacKay-Lyons



**W**hen Brian MacKay-Lyons (BEDS'76, BArch'78) walks the streets of Lunenburg, he dreams of building. In his mind's eye, the houses he imagines all reinforce the character of Nova Scotia's most iconic town, a UNESCO World Heritage Site.

Now, don't get all worked up: his architecture firm MacKay-Lyons Sweetapple has no grand designs to transform Lunenburg's streets. He just believes the company would fit in there as easily as he'd slip into his grandfather's old rubber boots.

"UNESCO rules about heritage are very sophisticated. You're not allowed to make fake history," says one half of Nova Scotia's most famous architectural team. "What they do say about building in a historic context is that you have to be subservient and respectful, and we are all over that."

architecture's equivalent to a Governor General's Literary Awards). Their slow-and-steady approach is paying off, making them household names in the place they call home.

### Becoming the village architect

**T**hirty years ago, Brian MacKay-Lyons and his wife, Dalhousie professor and alumnus Dr. Marilyn MacKay-Lyons, renovated an 18th-century house on the South Shore of Nova Scotia, in a small hamlet called Kingsburg.

When his houses began to dot the landscape, locals dubbed him the village architect.

The moniker slightly embarrasses Mr. MacKay-Lyons, but doesn't slow him down: the firm has several new homes in the Kingsburg area underway now. He sees the metaphor of the village architect – someone who uses local materials,

BY ANDY MURDOCH (BA'95)

## FOR HALIFAX ARCHITECTURE FIRM MACKAY-LYONS SWEETAPPLE, A DESIGN APPROACH ROOTED IN THE PROVINCE'S LANDSCAPE HAS LED TO NATIONAL AND INTERNATIONAL ACCLAIM

◀ **Shobac Campus** is the centre of activity for the firm's Ghost School, a private architecture workshop and symposium, in Kingsburg, N.S. Princeton Press called 2011's Ghost conference the G20 of the architecture world, Brad Pitt narrated a PBS design series featuring the school and *Wallpaper* magazine called it one of the world's top alternative architecture schools. These buildings (some available as vacation rentals) won them a second **American Institute of Architects Honour Award for Architecture** and a rare **Ron Thom Lifetime Achievement Award** from the North American Wood Design program.

You could say that Mr. MacKay-Lyons and his partner, Talbot Sweetapple (BA'92, BEDS'95, MArch'97) have built successful careers on searching for what Mr. Sweetapple would call that "clutch point" between old ways and new ideas.

It's not an approach lacking in small ironies. Their architecture attracts global attention despite a practice that deliberately avoids the trappings of so-called "star architecture," preferring a body of work approach to putting out "hit singles." They also think it's possible to respect history and community while staying committed to progressive designs.

Their aesthetic has established their architecture firm as one of Canada's most decorated and recognizable. With over 300 articles and books written about them, over 100 awards and 100 exhibitions around the world, they are darlings of academia, and architects' architects to be sure. Still, it's ironic that the duo has tended to receive more compliments on the international stage than in Nova Scotia, because one would think their neighbours would best recognize their work ethic as pure, bred-in-the-bone east coast. But this is changing, after a bumper year in 2012 when the firm won 14 international and national medals, from the American Institute of Architects Honor Award to the Governor General's Medal (the latter

local tradespeople and local culture – as a powerful one.

Working that way is a statement, he says "A utopian statement. Like willing paradise in a way, and ritually celebrating this place.

"There is nothing I like better than being in my truck down there, and knowing folks and having good relations with local builders," he says.

Over the years, the duo's buildings have spread from this village to around the province, then popping up in Quebec, Ontario and the United States.

At the same time, his Kingsburg farm has evolved into a teaching place, a practice place, a family place and a community place. Creating that nexus is about uniting the product you make directly with the way you live your life.

"There is no distinction between feeding the sheep and designing a house [on the South Shore of Nova Scotia] for the head of design for Porsche. At the same moment. Being there in your rubber boots and doing both things at once is fantastic."

### A toolbox for being good neighbours

**W**hat is striking about MacKay-Lyons Sweetapple houses in Nova Scotia, from the salt box homes that sit sternly on hilltops, to glass and wood ships that

^ **Two Hulls House,** cantilevered 32 feet over the sea, nearly sails off a cliff into the Atlantic Ocean. The ship-like buildings remind Mr. MacKay-Lyons and Mr. Sweetapple of the shipyards they played near as children. The house recently won several honours: the firm's third **Architectural 'Record House' award**, their seventh **Canadian Architect Award of Excellence**, a Merit Award at the **North American Wood Design Awards**, an **A-Z Award** from *Azure* magazine and their 48th **Lieutenant Governor's Design Award for Architecture**.

sail off cliffs, or airy shingled barns tucked into coves, is how they constantly reinvent the maritime vernacular.

Their homes weave a unique visual fabric inspired by a specific place. Building with a culture's spirit and materials in mind is part of being a neighbour with good manners, they say, no matter whether they're practising architecture in the United States or Bangladesh. "It's really a toolbox. A way of seeing the world and recognizing the deep economy and local ways of doing things wherever you go," says Mr. MacKay-Lyons.

Mr. Sweetapple, the project architect for Canada's Chancery and Official Residence in Dhaka, says exporting their "critical regionalist" approach to Bangladesh meant taking a course in the cultural, geographic and climatic reality of the country. To incorporate Bangladeshi culture into the building's design, they needed to research how water, sun, population density and materials interact there. They also considered the Canadians working in the space, and balanced security issues with a desire to present Canada as an open country. "We wanted to be good guests and respect the host culture, and that multicultural attitude is Canadian," says Mr. MacKay-Lyons.

Evaluating the success or failure of a project like that could come down to a detail about how you put a brick on a building, says Mr. Sweetapple. "The Bangladeshis, they loved the building. It struck the right chord of having a little bit of modernity in there and being traditional at the same time."

### The Dalhousie work ethic

Those old-time maritime values of economy, craftsmanship and practicality dwelling at the core of their architectural practice, also exist at the heart of Dalhousie's School of Architecture.

The school's studio culture, freelabs (team-centred where students design and build architectural projects from scratch), community building and cooperative education programs are huge strengths, the partners say, because they all develop a good work ethic and architectural practices. Maybe that's why most of their 15 staff are Dalhousie alumni. They look for graduates who, like themselves, take those values to heart.

Mr. MacKay-Lyons remembers studying under Essy Baniassad, who started the school down its current learning path, and he worked alongside Grant Wanzel and Richard Kroeker, both of whom championed architecture's social agency and established a Dal tradition of starting sustainable building projects with a community focus. Mr. MacKay-Lyons also held one of the school's first freelabs in Kingsburg. He called it the Ghost Lab.

Mr. Sweetapple attended Mr. MacKay-Lyons' first freelab as a student. In some ways, their partnership began there as an old-fashioned apprenticeship. They hit it off, sharing the same approach, the same roots,





the same commitment and the same belief that the only secret to becoming a great architect is constant practice.

“You gotta be willing to get good. Brian looked at me one day and said, you gotta work on your sketching, so that’s what I did,” says Mr. Sweetapple.

“Three weeks later he was better than me,” laughs Mr. MacKay-Lyons.

“It’s real simple stuff,” Mr. Sweetapple continues. “You go back to Brian’s upbringing or my upbringing, and you look at your grandfather and how he did his trade. Why does my grandfather make the best boats in town? Well, he’s been doing it for 50 years. He’s good at it. He understands it.”

The benefits of the school work both ways for Mr. MacKay-Lyons, tenured professor, and Mr. Sweetapple, adjunct professor. Architects benefit from being teacher-practitioners, argues Mr. MacKay-Lyons. Teaching forces him to distill anecdotal knowledge from day-to-day practice and turn it into teachable principles. “You go back to your office and you are clearer about what it is you do,” he says.

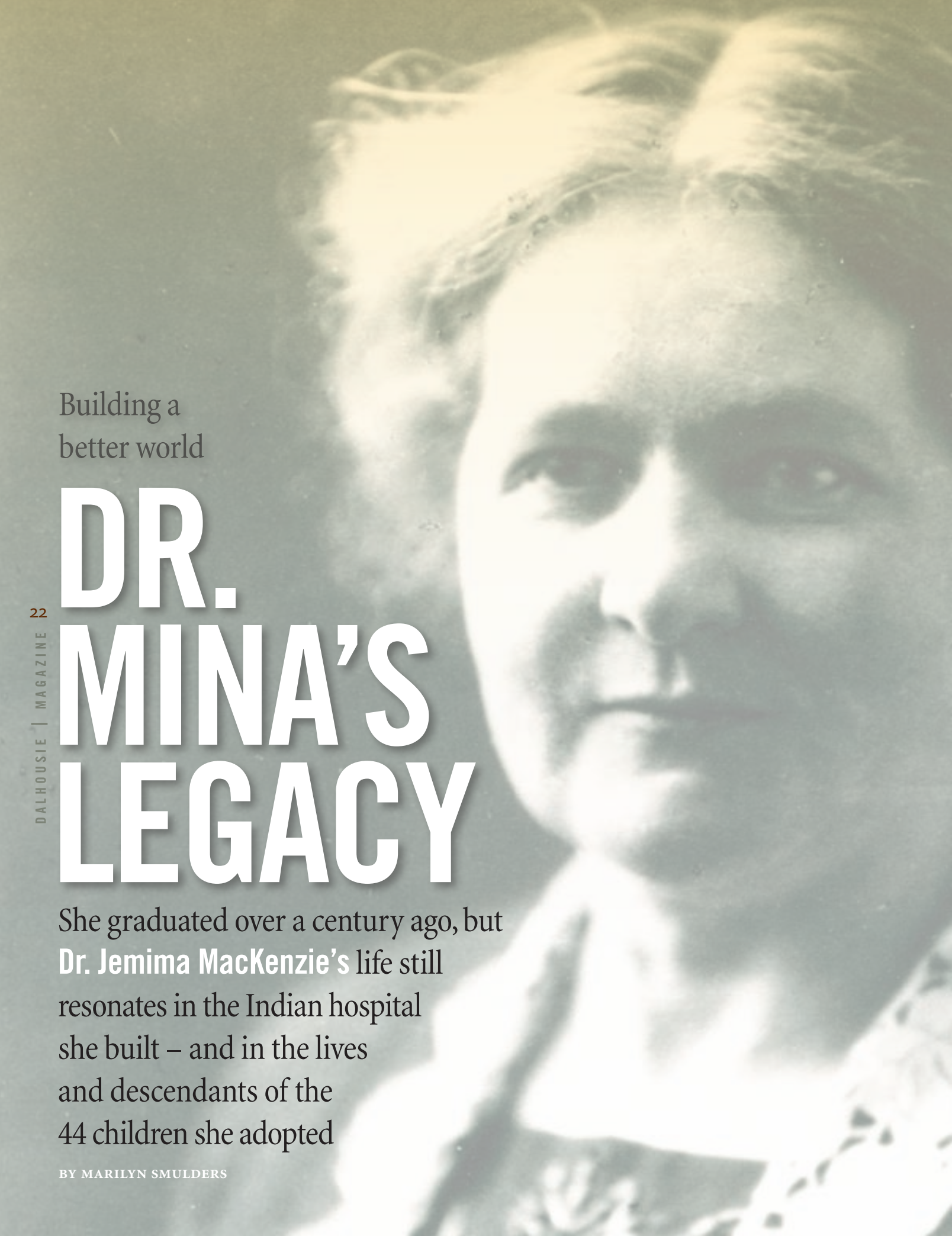
That self-reflection makes him more than a better architect, he says. It reminds him that good architects practice a model of a dignified life. Learning a trade, like architecture or carpentry, means learning a wholesome way to live. It’s a participatory, intellectual journey undertaken with colleagues and clients. “It has a life of its own and it produces amazing things,” he says. “It’s going to be a lifetime of learning. It’s going to be fantastic.”

“Of course,” he adds, grinning, “students usually hate it when you tell them that.” ■

◆ **Cliff House** is a thousand square foot cabin perched on a bedrock cliff amidst 455 acres of Nova Scotian wilderness. It was designed to be a modest, affordable and repeatable prototype. MacKay-Lyons Sweetapple won their sixth and most recent **Governor General’s Medal in Architecture** for Cliff House and also received an honour award at the **North American Wood Design Awards**.







Building a  
better world

22 DALHOUSIE | MAGAZINE

# DR. MINA'S LEGACY

She graduated over a century ago, but **Dr. Jemima MacKenzie's** life still resonates in the Indian hospital she built – and in the lives and descendants of the 44 children she adopted

BY MARILYN SMULDERS



There was nothing medical missionary Dr. Jemima MacKenzie (MD 1904, LLD'40) wouldn't do when it came to helping the poor and sick of India. She prevented an outbreak of cholera after inoculating people night and day. She learned how to do cataract surgery by correspondence. She adopted dozens of abandoned children.

And once, Dr. MacKenzie, the spinster daughter of a Pictou County farmer, detonated dynamite that she brought from home to blast a well and supply a rural community with safe drinking water.

Resourceful, determined, gutsy. These words seem like understatements when it comes to describing Jemima MacKenzie, who graduated from Dalhousie Medical School at the turn of the last century.

Her missionary zeal was ignited as a 10-year-old – her head filled with stories of injustice and hardship in faraway India – at Sunday School in Little Caribou River Church, Pictou County, N.S. “She told us she heard about women and children dying unnecessarily because of lack of education and poor hygiene and because the women were too ashamed to be seen by male doctors,” relates her daughter Sarina Bayer from her home in Mississauga, Ont. “She told us that is when she made her vow. When she grew up, she would become a doctor. She would work to help the women in India.”

In 1882, when young Mina, as she was called, made her resolution, there were a few things impeding her. First, she was female, and at the time, Dalhousie Medical School had yet to admit a woman for the study of medicine. Second, she was poor – one of 14 children growing up on a farm in Pictou County. And third, as the youngest daughter, she was expected to care for her parents as they got older.

In the end, all three obstacles created detours for Mina, but they didn't deter her from her calling. When she died at the age of 84 in Pictou, she had spent more than three decades in India. For her selfless service, she earned India's highest honour, the Kaiser-i-Hind Medal for Public Service from the Viceroy of India, and an honorary degree from Dalhousie.

Jemima (Mina) MacKenzie was born August 18, 1872, the youngest of Simon and Ann MacKenzie's children. The large Scots Presbyterian family lived on a struggling farm in Waterside, Pictou County, not far from where the Wood Islands Ferry wharf is located today.

When Mina was in school, not yet having passed Grade 11, she was teaching more than 100 students and

commuting among three schools in Pictou, Scotch Hill and Saltsprings. Her mother was ill at the time, so she returned home each weekend. Mina's life remained like this until her brother Simon and sister-in-law Libby came to live on the home farm, allowing her to complete Grade 12. She was 26 years old.

Mina and her sister Molly, older than Mina by six years, entered Dalhousie Medical School in Halifax together. Before them, only a handful of women had been admitted to the school and most of those, like the MacKenzie sisters, went on to do missionary work.

Even though the male domain had been breached a few years previous, not all agreed it was a good idea. “To think of disclosing the human form divine, over which humanity bids us to throw a veil of decency, or having the most sacred of feminine mysteries freely discussed before a mixed class of young men and young women is not only shocking, but disgusting and degrading,” huffed an editorial writer in a Kingston, Ontario, newspaper at the time Mina and Molly were bending their heads over their books.

“The women who studied medicine had to be forceful,” says Dr. Jock Murray, a former dean of Dalhousie Medical School who is writing a history of the med school with his wife, Janet. “They had to stand up to the men in their class. They had to stand up to society.”

Mina graduated in 1904, accepting her diploma in a borrowed academic gown. Her graduation photo shows a young woman with a stern expression, her dark hair piled high on her head, Gibson Girl-style, and wearing a lacy, shirtwaist blouse with a high collar. Her mother was well enough to attend the ceremony, but fell ill and died soon afterwards.

Her dream on hold for so long, Dr. MacKenzie didn't delay leaving Nova Scotia after her mother's death. Molly still had another year of school to go before she could graduate, so Mina went to Boston to earn the \$200 needed for Molly's tuition. Then, with an appointment by the Women's Union Missionary Society of America, she set off for India.

On arrival in northeast India, Mina was the sole doctor in a rural area. She had a dog, Laddie, and outfitted a small medical cart for him to pull so she could take her clinic on the road.

“Dr. Mina performed her first operation on a dressing table,” writes her niece Ruth Munro in *Dr. Mina MacKenzie: Her Life and Work in India*. “There was no one to give the chloroform, no one to hand her instruments and the helper kept fainting. Yet, she was able to cope, with success.”



Once Molly joined her, the sisters moved on to Fatehpur, where they established a hospital still in operation today. Molly and Mina worked side by side for six years, dispensing equal doses of medical care and prayer. Molly returned to Canada, where she married and became a minister's wife. She continued to work in medicine as a medical inspector of rural schools in Ontario.

Mina was called home by her elderly father in 1920, who begged her to attend him "for the rest of my days," as quoted by Ruth Munro in her book. Back in Pictou County, Mina never stopped: she led Sunday school in the kitchen and opened a private hospital in the parlour. Her brother Simon built the operating table and

it got polluted during the rainy season. He agreed a well was the answer, but 'good Lord, Mina you'll blow your damn head off!' So he showed her how to do it and packed up the dynamite ... The first charge scared the hell outta the local people, some of them tore off into the jungle when the rocks went flying. But she got her well. She put her mind to it and she got it."

Ian, a retired teacher from Liverpool, N.S., traveled to India last year to see the places where his great aunt worked almost a century earlier. He shakes his head in wonder at the things she was able to accomplish. "When I was a kid, I thought she was a nice old lady who prayed a lot. I had no idea."

**"HER LEGACY IS THAT WE MUST CARE FOR ONE ANOTHER...JUST LIKE WHEN WE WERE LITTLE AND THE OLDER SISTERS WOULD LOOK AFTER THE YOUNGER ONES"**

set it by the screen door for natural light. She held church picnics and raised money for the first of many orphans she adopted in India. In

all, she adopted 44 children, some of them baby girls unwanted by their families and abandoned by the side of the Ganges River.

After her father's funeral in 1922, Mina returned to India, this time bringing with her the financial support and heartfelt wishes of the people of Pictou County. And something else: a cache of nitro-glycerine that her brother Simon carefully set amongst her clothing in her trunk.

Her great nephew Ian Munro, 71, picks up the story: "Simon was a farmer who used explosives for clearing the land. She told him about the problem of the water supply and how

Her life continues to inspire. Her daughter Sarina established a foundation in Mina's name that has funded the education of more than 100 children. She remembers her mother as kind and loving, but strict. She was a large woman, over six feet tall, and she spoke with a pronounced Scottish accent. "She took time for us, even though she was so busy and often tired. At night, after her rounds at the hospital, she would kiss us and tuck us under our malaria nets."

Like many of the girls Mina adopted, Mrs. Bayer became a nurse. She came to Canada in 1957 to care for her mother in her retirement. But just weeks after the reunion, Mina died at the age of 84.

"Her legacy is that we must care for one another," she says. "Just like when we were little and the older sisters would look after the younger ones." ■



*Mollie, Mina, Mina*

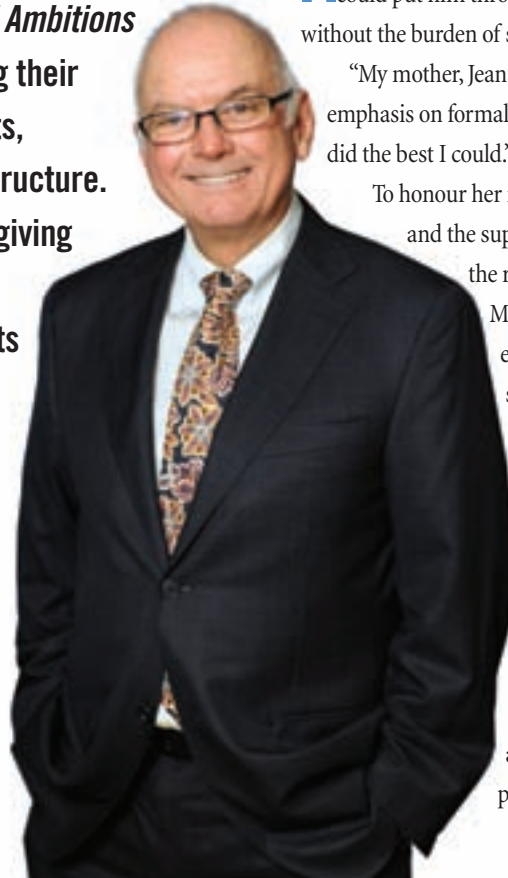


# BOLD AMBITIONS THE CAMPAIGN FOR DALHOUSIE

## HELPING HANDS

Alumni show their commitment to Dalhousie **BY MARK CAMPBELL**

**I**t's humbling when someone cares enough about who you are and what you stand for to include you in their philanthropic plans. This is precisely what thousands of Dalhousie alumni have done during the *Bold Ambitions* campaign, supporting their alma mater's students, programs and infrastructure. Specific reasons for giving may differ, but collectively these gifts have a tremendously positive impact on our university and the educational experience we offer. We profile six of these generous graduates.



**Arthur Miller (BA'64, LLB'67)**

Established the Arthur F. Miller Scholarship in Law to recognize academic achievement and provide assistance to Atlantic students entering the Schulich School of Law.

**A**rthur Miller feels fortunate that he had parents who could put him through undergraduate and law school without the burden of student loans.

"My mother, Jean, was a school teacher and she put an emphasis on formal education. She encouraged me and I did the best I could."

To honour her memory, her passion for education and the support he received from his parents, the retired lawyer created the Arthur F. Miller Scholarship in Law in 2010. The endowment will provide an annual scholarship to a student entering full-time studies at Dalhousie's Schulich School of Law.

A long-time donor to Dalhousie, Mr. Miller says the fund was an opportunity for him to acknowledge the wonderful experiences he had as a student. "There was great camaraderie among the students, and the professors were helpful in such a way

that it felt like they were part of the student body. I thought I should give something back in a way that went beyond annual donations.”

The fund also reaffirms Mr. Miller’s relationship with the university after practising law for 30 years in Labrador. “I had many friends in St. John’s, so I went there to article and get admitted to the bar. I was looking for a town where I thought a lawyer could do well and I became the first resident practising lawyer in Labrador. It was a mining town of 8,000 people and for five years I was the only lawyer there.”

Such was Mr. Miller’s fondness for the place and the people he met there that he decided the endowment would give first preference to graduates from Labrador. “That’s ultimately why I established the fund: to give students from there, and from Atlantic Canada, an opportunity to earn a law degree that, for financial reasons, they may not have otherwise been able to achieve.”

**Margaret Hagerman (Dip Nursing Edu. ’60)**

**Established the Margaret Inglis Hagerman Graduate Scholarship in Nursing, which supports an annual scholarship for a full-time student enrolled in the university’s Master of Nursing program.**

**W**hen Margaret Hagerman reflects on her time at Dalhousie University’s School of Nursing, one word comes to mind: intense.

“There was a small group of us, probably 15, and we worked very hard to get through that program, but I enjoyed it,” says the Annapolis Valley native. “It helped start me on my way to pursue a career in health care and for that I am forever grateful to the university.”

Ms. Hagerman, who went on to earn degrees at McGill and the University of Toronto, says her time at Dalhousie instilled her with an appreciation for the benefits of education and helping others. Over the

years, she has made annual gifts to the universities she’s attended, including Dalhousie. Yet the now-retired hospital and health-care professional believed she could do more to express her gratitude to Dalhousie.

“I thought I could fund an annual lecture or something, but I became aware of how few scholarships are available at the School of Nursing. Since larger schools like McGill are well endowed, the logical thing to do was to start one at Dalhousie.”

It was also logical in that many of Ms. Hagerman’s relatives have earned degrees from Dalhousie. “My sister Jean has a baccalaureate in nursing from Dalhousie. Her husband, a son and his wife earned medical degrees there. Jean’s daughter, as well as her daughter’s husband, graduated from the School of Dentistry, and a son graduated with a commerce degree. And these are only some of the Dalhousie graduates in our family.”

Six students have received funding through the School of Nursing scholarship since it was launched in 2007. “I hope this fund will support many generations of students to use their education to contribute to their profession and their community,” says Ms. Hagerman.

**Don Mills (MBA’74)**

**Established the Mills Awards in Marketing, which recognize academic achievement among MBA students focused on a career in marketing, and provide professional development opportunities to faculty members specializing in marketing.**

**W**hen Don Mills decided to go back to school and study marketing at Dalhousie,





he was taking something of a risk. He was already in debt from earning his first degree and was about to add to that burden. A small bursary provided some relief but, as he recalls, “there weren’t many options for financial assistance if you were interested in studying marketing.”

A firm believer in helping others if you have the capacity, the chairman and CEO of Corporate Research Associates, a market intelligence and research firm, decided to do something about that. In 2010, he and his family established the Mills Awards in Marketing fund to support students interested in marketing.

“Often, students choose their career paths based on funding available to them in university,” explains Mr. Mills. “I hope this will encourage them to follow their passion and study marketing.”

The fund is also Mr. Mills’ way of recognizing the significant impact Dalhousie has had on his life and career. As a student, he developed a work ethic that has helped him stay focused, set priorities and complete tasks on time. As a faculty member with Dalhousie’s Advanced Management Centre, he trained managers in the fundamentals of running successful businesses, later incorporating those principles into his own company. He also served on the Board of Governors for 10 years, which provided insights into the challenges universities are facing, including the need to be better marketers.

“I’ve been fortunate in that I’ve had a strong connection to the university for most of my adult life,” he says, adding that his wife, son and daughter-in-law are all Dalhousie graduates. “It’s been a rewarding experience.”

Mr. Mills hopes his gift will create more awareness and interest in marketing as a career

option, and that it inspires others to make a similar contribution to the university or the community. “This is a great place to live, and we have a lot of untapped capacity here. If we all get involved and contribute, we can make our community even better.”

### **Dr. David S. Precious (DDS’68 MSc’72)**

*Established the Elizabeth F. Precious Endowment to formalize his almost 20-year outreach commitment to help children with cleft lip and palate.*

**E**ighteen years ago, a chance meeting changed Dr. David Precious’s life. The dean emeritus and professor of oral and maxillofacial surgery at Dalhousie’s Faculty of Dentistry was at a cleft lip and palate conference in New York where he met Professor Nagato Natsume, director of the Japanese Cleft Palate Foundation. The two realized they shared similar viewpoints on the condition.

“He invited me to join a Japanese delegation of surgeons going to Ben Tre, a remote but populous island in Vietnam, and operate on children with cleft lip and palate. I did and was so enthused I came back to Dalhousie and told the department I’d like to do this in a more formalized way. We became partners of the Foundation and started sending delegations of surgeons to Japan, Vietnam and Tunisia to perform surgeries and train surgical residents.”

For 16 years, Dr. Precious and his colleagues donated their time, money and skills to advance and support surgical care for children with cleft lip and palate. Realizing the importance of a more official arrangement, he created the Elizabeth F. Precious Endowment.



Named for Dr. Precious's wife, who has been inspirational since the outset, the fund will allow for the continuation of assistance to children who otherwise might not receive medical attention.

"If you've worked with these children, you know they are mainly wonderful kids with a minor problem everyone can see. Sometimes, in developing countries, ministers of health have such huge lists of health concerns they cannot see devoting public resources to cleft lip and palate. So we're also advocates in an environment of scarce resources for these children."

Dr. Precious acknowledges that the support he's received from Dalhousie has helped his outreach efforts. "I don't know if this would have been possible at another major university in Canada. There's a special flexibility and appreciation to foster this type of activity here."

Now looking to expand outreach efforts to other nations, Dr. Precious ultimately hopes that surgeons in host countries will develop the skills to do cleft lip and palate surgeries on their own. "That's happened in a number of villages. That's how we measure our success."



**Judge Sandra E. Oxner (BA'62 LLB'65 LLM'01)**

Established the Yogis & Keddy Chair in Human Rights Law at Dalhousie's Schulich School of Law to advance the research and study of human rights.

**T**o Judge Sandra Oxner, the law is a special profession, one that empowers all who practise it to pursue change in social justice through legal means. That belief inspired Judge Oxner to create the Yogis & Keddy Chair in Human Rights Law at Dalhousie University.

The chair will support research and teaching in the field of human rights, fostering study at both the undergraduate and graduate levels, while developing collaborative programs with other academic institutions and governments.

"This was a natural choice," says Judge Oxner. "The chair is in memory of my late husband Donald Keddy, who lived his life unconsciously applying modern principles of equality. It also honours Professor Emeritus John Yogis, my classmate, whose life and professional work also exemplify concern about equality for all."

Judge Oxner was also motivated by the university's seminars following the entrenchment of the Canadian Charter of Rights and Freedoms, opportunities for students from China to study at the law school, and former Dean Ronald St. John MacDonald's efforts to make human rights a part of the school's fabric.

Her gift is equally appropriate in that Judge Oxner chairs the law school's Commonwealth Judicial Education Institute, a voluntary organization that links Commonwealth judicial education bodies, assists judicial reform in developing countries and trains leaders through



judicial education. She was further compelled to establish the chair by her experiences as a Dalhousie law student.

“The school managed to make a lawyer out of me – an achievement not without challenges. It took me into its master’s program when I was convalescing from a heart operation and provided the therapy for me to regain verbal skills lost through the operation.”

By establishing the chair in Professor Yogis’ name, Judge Oxner’s intent is to encourage fellow alumni to support the initiative. “He taught so many Dalhousie law graduates and he is the longest-serving full-time law professor. This is a wonderful opportunity to demonstrate through a donation an appreciation of his inspiration, dedication, kindness and support to so many of us over the years.”

Given that so many social ills can be alleviated or eradicated through legal legislation, treaties and judicial decisions, Judge Oxner says “my hope is that the chair will attract students interested in honing legal skills to do such work.”

**John R. Fiske** (BEng (NSTC) ’49, DEng (TUNS) ’86) Established the Patricia Fiske Fund, named for his eldest daughter, with a \$1-million endowment in support of the existing William Dennis Chair in Pediatric Epilepsy Research.

The Fiske name may be synonymous with engineering, but when he started to think about leaving a legacy, John Fiske found his heart was in another place entirely.

“My wife [Lynn] and I wanted to do something in medicine,” says the successful property developer best known for Halifax’s Historic Properties, one of the most celebrated restoration projects in Canada. “We talked about making a contribution that would be meaningful to us personally. So, when we were approached about making a gift in support of the William Dennis Chair in Pediatric Epilepsy Research, we knew we had found our cause.”

That emotional connection links back to their eldest daughter Patricia (Pat) Fiske, who suffers from epilepsy and other medical complications attributed to her difficult birth in 1949. “Pat was a big baby,” says Mr. Fiske. “She should have been delivered earlier, but that’s the way things were back then. We just kept going.”

As Mr. Fiske’s professional career took off, his family grew, with four more healthy children following Pat in quick succession. Today, Pat is cared for in a nursing home close to the Fiske’s family home in Halifax.

“We wanted to do our part to help reduce the burden for the families of people like our daughter, because we’ve been there ourselves and we know it isn’t easy,” he says. “We were happy to support the Dennis Chair because it’s well set up and we know our money is in good hands. We’re also proud to support Dalhousie.”

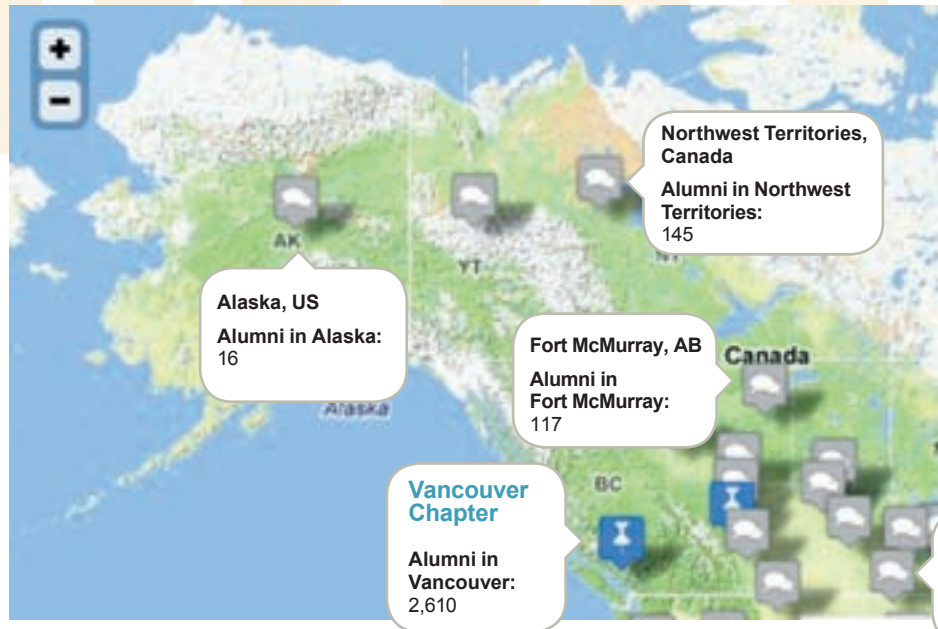
As a past member of the Board of Governors of the former TUNS, Mr. Fiske understands only too well that universities need private support in times of reduced public funding. “For us it’s a win-win. Dalhousie is a solid, fiscally responsible university with good leadership and very deserving of our support.” ■

*by Joanne Ward-Jerrett*



Meet more of Dalhousie’s donors at [boldambitions.dal.ca/donor-wall.html](http://boldambitions.dal.ca/donor-wall.html)





Where in the world are we? Our new chapter locator map on [alumni.dal.ca](http://alumni.dal.ca) has the answers!

## Get connected!

Dal alumni chapters launched around the globe and online, too

Dalhousie alumni live around the world, and alumni chapters in places like Toronto, Calgary, Vancouver, London, and Ottawa provide them hubs of community and opportunity, offering great experiences through a variety of events and programs.

Knowing that our alumni need a way to get connected and learn about events and programming, we're happy to announce the launch of

individual chapter pages on our newly redesigned Dalhousie Alumni website ([alumni.dal.ca](http://alumni.dal.ca)). There is a page for each existing chapter, with several more under construction.

Each chapter is led by outstanding alumni volunteers, who bring their strong sense of community to the task.

The pages have several features, including a Chapter News section, a Class Notes

section (in which alumni post about developments in their own lives), and a listing of events and opportunities for local alumni to partake in. Such events may take place locally, or with Dalhousie directly. They can involve other alumni, current Dalhousie students, or even local high school students. They range from long-term programs to events taking place on a single afternoon or evening, and everything in between. Some focus on the sharing of personal experience and expertise, while others just involve showing up and meeting some new people or connecting with old friends.



# Alumni

## Alumni events Face to face



Minnesota, US  
Alumni in  
Minnesota:  
58

The individual chapter pages also provide the opportunity for alumni to contact their chapter directly, see what's going on, ask questions, offer feedback, or even lend a hand. And if alumni prefer staying in touch via social media, the chapter pages provide links to these networks as well.

As the chapter is a hub of community and opportunities, the chapter page is the hub of communication. If you don't see a chapter page for your city yet, please contact [bill.chernin@dal.ca](mailto:bill.chernin@dal.ca).  
Bill Chernin

Alumni were invited to a variety of events this past fall and winter. The Faculties of Arts & Social Sciences and Science held a wine tasting event just in advance of Valentine's Day with sommelier Jonathan Wilson (BSc'05). The Faculties of Engineering and Architecture & Planning cheered on the student-designed floats at a Holiday Parade of Lights reception. The Dalhousie Alumni Chapter in London, U.K. enjoyed a breakfast reception and in Calgary, a pub night. A special screening of *The Hobbit* in 3D was held for alumni in Halifax.

Alumni recently attended receptions in Toronto, Ottawa, Vancouver and Los Angeles where they bid farewell to outgoing President, Dr. Tom Traves.

Upcoming Alumni receptions this spring are in **Sarasota** (March 7), **Nassau** (April 12), **Edmonton** (May 2), **Calgary** (May 3), **Bermuda** (May 8), **London, U.K.** (May 11) and **New York City** (June 6).

We'll commemorate the career of our President, Dr. Tom Traves with a celebratory dinner at the Cunard Centre in Halifax on April 18. And on April 26-27, Dalhousie's School of Dental Hygiene will celebrate its 50th anniversary with a series of social and continuing education events, along with dozens of class reunions. For details, please visit [www.daldh50.ca](http://www.daldh50.ca).

Plus, save the date for Homecoming 2013, October 3-5!

For further details, visit [dal.ca/alumni/events](http://dal.ca/alumni/events), call **1.800.565.9969**, or join us on Facebook at [facebook.com/dalumni](https://facebook.com/dalumni). If you've been missing event invitations or you're planning a move, please update your contact information at [dal.ca/alumni/update](http://dal.ca/alumni/update).



**Getting connected in Toronto:** Dal on display at our December reception



**Halifax Parade of Lights:** Pedal-powered floats designed by Dal School of Architecture students await the parade's start

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## Alumni chapter sets up shop in London

In July 2012, Dalhousie established its first European alumni chapter in London, England. The university now has 11 chapters all over the world – including places like Ottawa, Vancouver, Hong Kong and New York – at different stages of development. The U.K. chapter is led by co-chairs Eric Brown and Kaylyn Fraser and communications secretary Norma MacIsaac.

Over the past six months, the U.K. alumni chapter has been gathering momentum: in late October, we had our inaugural event, an alumni brunch; and most recently, in December some Dalhousie alumni joined alumni from other Atlantic Canadian universities for a Christmas party at Canada House in Trafalgar Square. Events are already in the works for early March and mid-May, as well.

I am personally quite impressed by the achievements of each of the chapters, and particularly

our little one here in the U.K. Individuals who have lived abroad will understand the significance of finding a piece of home abroad – whether that be attending expat socials in Singapore, a visit to Paris's "Great Canadian Pub" or finding a bottle of maple syrup in a specialty store in Argentina. In London, the U.K. chapter serves this purpose for Dalhousie alumni.

I think it is important to understand the magnitude of the Dalhousie community in the U.K. Statistics suggest that approximately 250-300 alumni live in the U.K., with about 10 per cent of individuals actively participating in the alumni community (i.e. attending events). This usually translates into a group of about 20 individuals that

**Although our community is small, it is also very diverse. By uniting alumni, the chapter provides opportunities to network, reminisce and generally meet some pretty interesting people.**

regularly attend chapter events – a huge contrast to the 450+ people Toronto had at their most recent event! This is worth highlighting because although our community is small, it is also very diverse and close-knit.

In fact, I think the diversity of our chapter is one of its greatest assets, including current postgraduate students, doctors, lawyers, teachers, consultants, and the list goes on. As our chapter continues to grow, so too will the diversity of our group. By uniting alumni, the chapter provides opportunities to network, reminisce and

generally meet some pretty interesting people.

Looking back at 2012, I am impressed with our achievements so far and felt it worthwhile to share some news from our little community. I look forward to reporting back on how our chapter progresses in the years to come. Kind regards from London.

*Kaylyn Fraser (BA'09)*

To make contact with the chapter in your area:

London, UK: [londonukalumni@dal.ca](mailto:londonukalumni@dal.ca)

Calgary: [calgaryalumni@dal.ca](mailto:calgaryalumni@dal.ca)

Vancouver: [vancouveralumni@dal.ca](mailto:vancouveralumni@dal.ca)

Ottawa: [ottawaalumni@dal.ca](mailto:ottawaalumni@dal.ca)

Toronto: [torontoalumni@dal.ca](mailto:torontoalumni@dal.ca)

To connect with other emerging alumni chapters: Bill Chernin at [bill.chernin@dal.ca](mailto:bill.chernin@dal.ca)



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# Classnotes

## 1940s

1948

**Arthur F. Chisholm**, BEng (NSTC), who worked at Dal for 35 years, fondly remembers his time as both student and professor. He reflects that his time at Dalhousie bracketed the construction of the Henry Hicks building and many others that followed. He also has fond memories of such notable Dal alumni as the late **Andy MacKay**, BA'50, LLB'53, LLM'54, LLD'03, known throughout Professor Chisholm's career, and **Johnny Lindsay**, BEng'51 (NSTC), DEng'91 (TUNS), a student during Prof. Chisholm's first year of teaching in Engineering. Prof. Chisholm currently resides in Great Village, N.S.

### Medical Hall of Fame to induct Dr. Ian Rusted

Join The Canadian Medical Hall of Fame in celebrating Canada's top doctors. The 15th annual induction ceremony is coming to Halifax on May 2, 2013. Among the inductees is Dal grad, the late **Dr. Ian Rusted**, MD '48. For more information, visit [www.cdnmedhall.org](http://www.cdnmedhall.org).

## 1950s

1951

**Fr. Keith W. Mason**, Arts and Social Sciences is the author of *Search for Tomorrow: A True Story of Hope and Miracles*. A thought-provoking read that proves we should never lose hope no matter how high the cards are stacked against us, the book chronicles the life of his daughter, Colleen, who suffered a severe stroke at the age of three. This story about a little girl's triumph over tragedy is an inspiration to anyone ever faced with a health crisis. Keith also writes that he has many fond memories of his years at Dalhousie and of the friends he made there. Now living in Leominster, Mass., Keith has several more publications in the works.

## 1960s

1964

**St. John Blakeley**, PhD (Chemistry), received the 2012 Roy Philips Award in October 2012 from the Standards Council of Canada in recognition of distinguished service and exceptional leadership in the development and promotion of International Standards related to nickel, ferronickel and nickel alloys. During his 34-year career with Inco Limited, Dr. Blakeley was

responsible for the development of analytical methods for nickel ores, process intermediates and products. He was heavily involved in various positions with the International Organization for Standardization Technical Committee on Nickel and Nickel Alloys from 1974 to his retirement in 1998, continuing to 2010. As a member of the ASTM International Committee on the Analytical Chemistry for Metals, Ores and Related Products, Dr. Blakeley won the Lundell-Bright Memorial Award in 2003 for outstanding long-term support.

1968

**Dennis Taylor**, BSc, has published his second family history book, this one on his ancestors from Diss, Norfolk, England, the Taylor family, who settled on P.E.I. and their related Coe, Downer, and Robinson family lines. This book follows his first family history book on the McAssey ancestors who settled on P.E.I. from Ireland and from there spread throughout Canada and the United States.

## 1970s

1970

**Peter McGuigan**, BSc, has a new book out. *The Intrigues of Archbishop John T. McNally and the Rise of Saint Mary's University* traces the rise of Saint Mary's College and McNally's

34

DALHOUSIE | MAGAZINE

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**DALHOUSIE  
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# InMemoriam

## DR. W. ANDREW MACKAY



Photo: Danny Abriél

### “Mr. Dalhousie.”

That’s how Senator James Cowan, former chair of Dal’s Board of Governors, referred to W. Andrew MacKay when asked to share his thoughts on the university’s eighth president last summer.

“From being an outstanding student, a great athlete and then a professor, a senior administrator and president, that’s a marvellous career and he represents the best of Dalhousie,” said Senator Cowan.

Dr. MacKay, unquestionably one of the most prominent figures in Dalhousie’s history, passed away January 12 in Halifax. He was 83.

President Tom Traves called Dr. MacKay a great Dalhousian.

“He was a gifted, kind man and he enjoyed an extraordinary career,” said Dr. Traves. “He will be missed by many people who greatly respected him.”

Dr. MacKay, known for his modesty and sense of humour, once described himself as, “Sort of a Jack of many trades, but a master of none.” Those who worked with him during his impressive career may well contest the second part of that.

He was a three-time Dal alumnus, earning

a Bachelor of Arts in 1950, a Bachelor of Laws in 1953 and a Master of Laws in 1954. (He also received an honorary degree from Dal in 2003.) He came from a Dalhousie family as well: his father, Robert, was the Eric Dennis Memorial Professor of Government and Political Science at Dal for many years, and his older sister Mary (BA’49) also attended Dal.

While a student, he excelled in the classroom as well as on the field and court. He was captain of the football team, which won Nova Scotia’s prestigious Purdy Cup in 1951. He also played basketball for the Tigers. (He was inducted into the Dalhousie Sport Hall of Fame in 2008.) He also met his wife Alexa while at Dal, on a blind date at Shirreff Hall. Last year, the couple celebrated their 58th wedding anniversary.

After completing his Master of Laws degree, Dr. MacKay became a foreign service officer. He was about to head overseas to London with his family when the dean of Dalhousie’s law school called with an invitation for Dr. MacKay to return to campus and teach. He eventually would become dean of law, followed by vice-president academic

of Dal and, finally, president and vice-chancellor from 1980-86.

Even while president, Dr. MacKay’s commitment to serving his province and his community remained steadfast. His chief cause was human rights, and he was the first chair of the Nova Scotia Human Rights Commission, a position he held from 1967-86.

After finishing his time as president in 1986, Dr. MacKay became the ombudsman for the Province of Nova Scotia, and in 1988 he was appointed to the Federal Court of Canada, where he served until his retirement in 2004. After retiring, he stayed with the court as a deputy judge and advisor to the justice minister.

This past fall, at Homecoming weekend, Dr. MacKay was presented with the Dalhousie University Alumni Association’s Lifetime Achievement Award. Taking stock of his time at Dal and beyond, he offered his thoughts on how he approached his impressive career.

“A thinking – I hope ‘thoughtful’ – Canadian trying to do something in this world.”

*Ryan McNutt, with files from Marie Weeren*

iron-will commitment to the generation of students that walk the Halifax campus today. The book, McGuigan's third, chronicles Saint Mary's history in a saga that begins in the early 1800s when Bishop Edmond Burke establishes a school for boys at the corner of Barrington Street and Spring Garden Road. What follows is a guided tour of archival material, highlighted by lively excerpts from many of Halifax's major newspapers and early architectural rendering of many buildings that remain today. It is published by Brunswick Books, formerly Fernwood Books.

1972

**Sandra (MacLean) Banks**, DPT, joined fellow physiotherapy graduates, last August for a reunion weekend in P.E.I.. In all, eight grads now living in Alberta, Ontario, Prince Edward Island and Nova Scotia were able to attend. The group included: **Mabel (Blake) Jamieson, Connie (Nolan) Bartlett, Wanda (Burgess) Donnell, Beverley (Swan) Fay, Sonia (Sutton) Parker, Valerie (LeClair) Handren,** and **Evelyn (Ernst) Alexander**. They enjoyed lobster and mussels, laughter and tears and lots of reminiscing. Plans are underway for another reunion.

**Thomas L. McKenzie**, MSc, professor emeritus, School of Exercise and Nutritional Sciences at San Diego State University, is an investigator on several NIH and CDC projects related to promoting physical activity and

reducing obesity. In 2012 he received both the Lifetime Achievement Award, President's Council on Fitness, Sports and Nutrition (PCFSN) and the Hall of Fame Award, National Association for Sport and Physical Education (NASPE).

1975

**Mac Horsburgh**, MSW, retired in 2010 after a 35-year career with the Winnipeg Child Guidance Clinic. He is now self-employed, operating a small counseling service for men. Recently, Mac wrote an article entitled "Soldiers and Trench Art: A son remembers the talents of his father and his comrades during and after the war," published in the October/November issue of *Our Canada* magazine.

1977

**Bruce MacArthur**, BA, BRec'80, was awarded the Professional Achievement Award by Recreation Nova Scotia at its annual conference in Truro, N.S. on October 25, 2012, recognizing outstanding contribution to the growth and development of the profession by an individual employed in the parks, recreation and/or leisure field. Bruce was recognized for his accomplishments in over 30 years of leadership in municipal recreation in the Annapolis Valley. Recently retired from his position as coordinator of recreation for the Municipality of Kings County, Bruce resides in the village of New Minas with his wife of 33 years, **M.**

**Dale MacArthur**, BA'72, BEd'73.

## 1980s

1980

**Wadih Fares**, BEng (TUNS), has been named a member of the Order of Canada. He was inducted on November 23, 2012, for his contributions to Nova Scotia as an entrepreneur, community leader and committed volunteer. Mr. Fares is president of WM Fares Group and sits on the boards of directors of many community-shaping organizations ranging from Dalhousie University to the Halifax International Airport Authority to the QEII Foundation.

1985

**Leland Keane**, BA, a constable with the RCMP, received the Queen Elizabeth II Diamond Jubilee Medal in Surrey, B.C., on October 18, 2012. Currently assigned to Highway Patrol, Keane has served most of his 26 year RCMP career in uniform. The Queen Elizabeth II Diamond Jubilee Medal, which marks the 60th anniversary of her accession to the Throne as Queen of Canada, was created as a visible and tangible way to recognize outstanding Canadians from all walks of life.

1986

**Michael J. Lannoo**, PhD (Anatomy), has a new book. *The Iowa Lakeside Laboratory: A Century of Discovering the Nature of Nature*, has as its premise that while biology has changed greatly

36

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over the past century, field stations still have an important role to play. It is an engaging account of one long-established station and the many people who have contributed to its success. The pages are amply illustrated with historic photos. The book is published by University of Iowa Press.

**1987**

**Brian Conway**, LLB, is the recipient of the Alberta Civil Trial Lawyers Association (ACTLA) 2012 Gary J. Bigg Champion of Justice Award. The award goes to a member of the Alberta legal community who has championed the causes of justice, thereby protecting and furthering the rights of the individual.

## 1990s

**1995**

**Michael Ball**, BA, graduated on June 20, 2012 with a two-year Library and Information Technician diploma from Algonquin College in Ottawa, Ont. He is currently looking for full-time employment in an academic library.

**Jennifer Riordan**, BSc, BA'98, LLB'01, and Gerard Harrington were thrilled to welcome Josephine Grace into their family on August 30, 2012, in Toronto. Josephine weighed 7 lbs, 14 oz and is thriving. Her big sisters, Annie and Rebecca, and grandparents are over the moon. Jenny returns to her legal practice at BMO Financial Group in August 2013 and can be contacted at [riordan@alum.bu.edu](mailto:riordan@alum.bu.edu).

**1998**

**Andrew Younger**, BSc, has a new book out. *Ribbon of Water: The Shubenacadie Waterway from the Air* is a photographic journey through the 200-year history of the Shubenacadie Canal. The images trace a journey from the opening gates of the canal in Dartmouth Cove to the tidal forces of the Minas Basin. It's a view of the waterway very few have seen, but one which clearly shows how important the waterway has been in the development of Nova Scotia. Proceeds from the book support the work of the Shubenacadie Canal Commission. Andrew is currently the deputy house leader for the official opposition Liberals, as well as critic for the Departments of Natural Resources, Environment, Energy, and Communications Nova Scotia. For the past few years, he has also been a member of the Dalhousie Faculty of Science Alumni Teaching Award and Honourary Degree committees, among other community commitments.

## Spotlight HELPING IN HAITI

**D**r. Henri Lanctin (MD '83) couldn't wait to deplane the Cessna to greet his colleagues waving at him from beneath the shade of the mango tree at the end of the runway in Pignon, Haiti.

It had been more than two years since his first trip to Haiti in 2010. Then, he'd been a rookie volunteer traveling with his friend Dr. Paul Severson, founder of Project Haiti, a small Minnesota-based charity working in the region. Dr. Severson, a general surgeon, had hoped to entice his colleague into taking on the task of developing the project's urology program. A native Monctonian, Dr. Lanctin travelled to Pignon from his home near Minneapolis, Minnesota, to explore the possibilities.

"I really didn't know what I was getting into when I first went to Haiti," says Dr. Lanctin. "I've always had an interest in developing country work and this opportunity came at the right time. I was taken by the love of the people, how appreciative they are and their immense urologic needs."

By the time of this, his eighth journey to Haiti, Dr. Lanctin was a seasoned visitor and vice-president of the charity, bringing his wife, Pat (DDH'82) along with him to help coordinate supplies and logistics.

"I've seen many women here in Haiti who have come to the hospital desperate for help with total urinary incontinence from vesicovaginal fistulas, which occur after laboring for as long as a week before delivery," says Dr. Lanctin, who, as Dr. Severson hoped, now heads Project Haiti's urology program. "Their urinary complications are aggravated by unsanitary conditions and little to no access to basic hygiene. It

impacts not only their health, but family and social dynamics as well."

Through their work, Dr. Lanctin and his colleagues hope to improve the outcomes for these patients. Established in 1992, Project Haiti ([projecthaiti.info](http://projecthaiti.info)) relies on contributions, both financial and in the form of medical equipment, to provide medical care, education and related services at the Hôpital Bienfaisance in Pignon. Since its inception, the project has grown from providing acute medical support to include teaching teams, a new laboratory and conference room, two state of the art operating rooms, dormitory, pharmacy, feeding program and orphanage.

Dr. Lanctin says one of the most significant goals of Project Haiti is to support and train Haitian surgeons. "A lot of Haitian doctors left after the earthquake and continue to leave due to lack of equipment and resources for training," says Dr. Lanctin.

Dr. Lanctin coordinates urological teams composed of surgeons from around the U.S., in conjunction with IVUmed, an organization based in Salt Lake City. On his next trip, his team will lecture at the University Hospital in Port-au-Prince and at the hospital in Pignon. "Although Haitian surgeons are handicapped by lack of resources and technology, they make up for it with a strong passion to learn. Working with them is highly rewarding and educational," says Dr. Lanctin.

*Miriam Zitner*



# 2000s

2005

**Liz-Ann Munro Lamarre**, DDH, has acquired the “Dental Hygienist – 365 day rule exempt” license. For Liz, who operates her own dental hygiene clinic, and does not practise in an approved residential care facility, this is great news. Her clinic celebrated its third anniversary this past August and she is now working on adding outreach work in remote areas with mobile dental equipment.

2007

**Michael Ray Fox**, BA, directed the Halifax-shot feature film “Roaming,” which premiered at the Atlantic Film Festival in September 2012. The film explores modern romance and communication through the lens of autism and our growing technology-based culture. It was produced by Richard MacQueen and stars well-known Halifax theatre actor and sketch artist Thys Bevan-John, who plays the role of Will, an undiagnosed but likely mildly autistic young man with a penchant for shapes and computer games. The soundtrack features a unique blend of Maritime talent including Three Sheet, P80, Nathan Wiley and Meaghan Smith, among others.

# InMemoriam

**Edward M. Martin**, BEng’30 (NSTC), St. John’s, N.L., on August 13, 2012

**Geddes Murray Webster**, DEngr’39 (NSTC), BSc’39, Toronto, Ont., on November 10, 2012

**James Bennet Squire**, MD’41, Winnipeg, Man., on February 12, 2012

**Eric Joseph Cleveland**, BA’41, MA’42, BSc’44, MD’48, Kentville, N.S., on August 27, 2012

**Wilfred Leith**, MD’42, Toronto, Ont., on November 22, 2011

**Helena Blanche (Small) Outhouse**, DED’43 (NSTC), Digby, N.S., on December 1, 2012

**John Duncan Lynch**, BEng’46 (NSTC), MSc’55, Thunder Bay, Ont., on August 18, 2012

**John Cuthbert Manning**, BEng’47 (NSTC), Halifax, N.S., on October 2, 2012

**Aleah H. (Palmer) Lomas-Anderson**, BA’48, Sherbrooke, N.S., on August 18, 2012

**John Wylie Hatherly**, BCom’49, LLB’51, Halifax, N.S., on November 13, 2012

**Marie (Bruce) Brooks**, BSc’50, Inverary, Ont., on September 3, 2012

**Ernest Bertram Marshall**, BSc’50, MD’55, North York, Ont., on September 20, 2012

**Donald Boyd Dorey**, BEng’52 (NSTC), Halifax, N.S., on October 22, 2012

**Wanda Evelyn Bianco**, LicMus’50, DPhrm’58, Enfield, N.S., on November 22, 2012

**Karl Rodney Swanburg**, LLB’51, Hermitage, Tenn., on September 6, 2012

**Ralph Owen Marshall**, BEng’51 (NSTC), Somerset Bridge, Bermuda, on September 18, 2012

**Robert Stanley Huestis**, LLB’51, Dartmouth, N.S., on November 20, 2012

**William Edward Marshall**, BA’52, Toronto, Ont., on September 4, 2012

**Donald Drysdale Betts**, BSc’50, MSc’52, Halifax, N.S., on October 23, 2012

**Wendell Wallace Watters**, MD’53, Ancaster, Ont., on August 17, 2012

**Kenneth Roy Rozee**, BSc’54, MSc’56, PhD’59, Hubley, N.S., on September 5, 2012

**Donald Alan Stewart**, DDS’54, Windsor, N.S., on November 23, 2012

**Donald Lindsay Allen**, BSc’55, BEng’57 (NSTC), North York, Ont., on September 7, 2012

**Max Gorelick**, MD’55, Halifax, N.S., on October 23, 2012

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**Garth Vaughan**, MD'55, Little Narrows, N.S., on November 7, 2012

**Erland Edgar Henderson**, MD'55, New Glasgow, N.S., on December 8, 2012

**John David Theakston**, BCom'56, LLB'59, Bridgewater, N.S., on September 16, 2012

**Robert Jay Ulberg**, MD'57, Beechhurst, N.Y., on September 29, 2012

**Arthur Carrick Whealy**, LLB'58, North York, Ont., on September 1, 2012

**Doug Colquhoun**, BScPH'58, Bedford, N.S., on September 13, 2012

**Lawrence MacKinnon Buffett**, BSc'58, MD'63, Dartmouth, N.S., on September 30, 2012

**Harvey Arnold Newman**, BA'60, LLB'63, Ottawa, Ont., on September 3, 2012

**Allister Angus MacKenzie**, BEng'61 (NSTC), Sydney, N.S., on September 28, 2012

**Duncan Stewart Kennedy**, BEng'62 (NSTC), on September 6, 2012

**Kevin Fabian Walsh**, DDS'63, St. John's, N.L., on September 24, 2012

**Daniel Joseph McGrath**, LLB'65, Berwick, N.S., on September 8, 2012

**Roger Michael Field**, BA'65, Mount Uniacke, N.S., on October 28, 2012

**Bruce Edward Davidson**, BCom'65, LLB'67, Halifax, N.S., on December 4, 2012

**Roger Spence Hollingshead**, BEng'66 (NSTC), MEng'68 (NSTC), PhD'72, Glen Haven, N.S., on November 20, 2012

**Ifor Gwyn Phillips**, BCom'67, BEd'70, Kentville, N.S., on November 23, 2012

**David Paul Krauel**, MSc'69, Victoria, B.C., on September 28, 2012

**Douglas Neil Brodie**, BSc'70, BEng'74 (NSTC), Truro, N.S., on August 20, 2012

**Margaret Lauretta (Beckett) Marks**, DPH'70, Musquodoboit Harbour, N.S., on September 23, 2012

**Benjamin Ping-Man Der**, PGM'71, Regina, Sask., on January 1, 2012

**Gregory Philip Wickwire King**, BA'71, BEd'72, Fletchers Lake, N.S., on November 30, 2012

**Radu Diaconescu**, PhD'73, on October 18, 2012

**David Bullen**, BSc'73, Dartmouth, N.S., on November 22, 2012

**Byron Lynn Pike**, BCom'78, Calgary, Alta., on August 16, 2012

**Dale Leroy White**, BCom'79, Truro Heights, N.S., on November 18, 2012

**David Alan MacDormand**, BSc'80, on November 24, 2012

**Gilbert Austriel Sekgoma**, MA'81, PhD'86, Botswana, on September 18, 2012

**Richard Hamilton Guthrie**, LLB'81, Calgary, Alta., on November 28, 2012

**Nancy Lea Lewis-Parker**, BN'83, Auckland, New Zealand, on October 7, 2012

**Heather McKean**, MA'86, Halifax, N.S., on November 27, 2012

**Raylene Marguerite Rankin**, LLB'87, Mabou, N.S., on September 30, 2012

**H Drake Petersen**, MA'90, Halifax, N.S., on October 17, 2012

**Angus Burnett Black Orchard**, BCom'93, Halifax, N.S., on November 13, 2012

**Eric Lee Widdis**, MCSc'95, Dartmouth, N.S., on August 13, 2012

**William R Murphy**, LLB'04, Beaver Bank, N.S., on November 21, 2012

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# theBackstory

## CAMPUS CREATOR

**NAME** Gaye Wishart

**THE DAY JOB** Advisor, Harassment Prevention / Conflict Management with the office of Human Rights, Equity & Harassment Prevention.

**THE DABBLER** A self-proclaimed dabbler, Ms. Wishart has been creating art for over a decade, in photography, water colours and sketching. A regular contributor to the Dalhousie Art Gallery's annual Student, Staff, Faculty and Alumni Exhibition, she showcased three installations at this year's event.

**THE ART OF GIVING BACK** "I'm motivated to give my art away. I'm the chair of the Avalon Sexual Assault Centre Board so I donate art to their fund-raising efforts, as well as to a breast cancer fundraiser." Art makes very personal gifts: one of her paintings in this year's art exhibit is a present, the second is being donated to Dal's TYP (Transition Year Program) House while the third (a sketch of George Bernard Shaw) is up for grabs. "If any Dal department wants to own it, it's free for the taking!"

**HITTING THE ROAD** Ms. Wishart's travels to India, Africa and Hawaii are sources of inspiration for her art. "All are awash with amazing colour and interesting and diverse subject matter."

40 It was through trying to capture her travel experiences that she began to enjoy photography. Her photo memories also provide a calming atmosphere in her work setting. Her computer is transformed with images from Africa – captivating wildlife and breathtaking landscapes – providing visitors with a sometimes much-needed distraction or comforting break.

**CONNECTING WORK AND ART** In her current role, Ms. Wishart uses the campus as a canvas of sorts: her creations are events, policies and projects that celebrate differences, varied perspectives and inclusive behaviours.

"I was chair of the Allies Steering Committee when we spearheaded a campaign to get more gender-neutral washrooms on campus to reflect the growing gender diversity on campus. This and other initiatives have really empowered people to see things differently and embrace the shared responsibility for the climate we create on this campus." ■

by Keri Irwin (BA'98, BComm'01)



Photos: Nick Pearce





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