

Dalhousie

Dalhousie
and NSAC

merger
takes
root



inside out
Titanic
fashions



secrets of DIY musical success
Rose Cousins (BScK'99)

the spin on
healthy
aging



BOLD AMBITIONS

Better teamwork=
better health care



saving smiles
Dal dentistry at 100

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

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

A proud Dalhousian – a meaningful legacy.

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

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Halifax singer-songwriter Rose Cousins (BScK'99) is a solo artist whose success is built on a base of friendship – from her social media friends and fans to her musical collaborators. Plus: What you can learn from her savvy use of social media.

by Ryan McNutt

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Winds of change: The Environment, Sustainability and Society program graduates its first class. Pictured here: Chelsea Boaler. *Story, page 6.*

Photo: Danny Abriel

Looking forward – and back

Walking across a convocation stage to receive a diploma is a bit like walking along the top of a wall separating your past and your future. On one side, you see – and celebrate – the hard work of the previous years, the friendships made, the lessons learned, both in and out of the classroom. Turn in the other direction and you see a future of possibilities: maybe a new job, perhaps a new city, certainly a new phase in your life. How will you use your Dal education to improve your community, your world? How will it change your life? And while in truth we walk that wall every day – after all, the present is the boundary between our past and our future – its reality becomes much clearer when we know that tomorrow will be significantly different from today or yesterday.

In this issue of *Dalhousie* magazine, we also look both backwards and forwards. We celebrate the accomplishments of the Class of 2012 (p. 4) with profiles of graduates who have already transformed their lives and contributed to improving their communities. In *Unsinkable* (p. 14), we journey with Dal costume studies students as they reach into the history of the Titanic and its passengers to recreate the fashions of 1912. The Titanic's passengers didn't know it – no-one could – but their world was teetering precariously, about to be transformed by a world war, a communist revolution and the beginnings of a women's movement. The lesson? Sometimes the future arrives whether we're ready for it or not, and all we can do is find a lifeboat and paddle hard.

But sometimes we get the chance to take a more active role in creating our future. That's what singer-songwriter Rose Cousins (BScK'99) has done. Her story, *With a little help from her friends* (p. 9), shows how, in a time of music industry upheaval, Ms. Cousins has taken control of her career, building her profile with a savvy combination of well-timed risks and well-targeted social media. She hasn't done it alone – no-one ever really does – but she has done it herself. The lesson? Sometimes to get to your future, you have to have the courage to jump out of your past, risking security and comfort in the process.

And of course, it would be impossible to ignore how Dalhousie and Nova Scotia Agricultural College (NSAC) are embarking on a new shared future. In *Merger takes root* (p. 20), we look at how our two institutions, with our shared history of collaboration and partnership, stand on the cusp of a future that will strengthen both. The lesson? Goodwill and mutual respect are the bricks and mortar required to build a bridge to a future that benefits us all.

Here's to celebrating the accomplishments of our pasts –
and the possibilities of the future! ■



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appears three times a year.

Do you have an interesting alumni-related story to tell?
Submit your ideas to editor@dal.ca.



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Striking a bargain

We strike a bargain every time we do a Google search: we find what we're looking for, and Google gets seemingly innocuous information – our Internet Protocol (IP) address. It seems like a good deal. But if we use Gmail, Google+ or any other service requiring a login we have likely tied our real name to our search terms.

We strike other bargains too. We get free email, searches, maps and more in exchange for having some targeted advertising in our browsers. Sounds fair. But if we never clear our cookies (bits of code that track our surfing habits), we have left a comprehensive trail of our online activities – which may be more than we bargained for.

Privacy bargains are not new and are not only online. Parents often give a newborn's name, address and birth date to a third party in exchange for a nice welcome basket for mum and baby. Similarly, for years we have dutifully filled in warranty registration cards with our names, addresses and preferences in exchange for being notified of product recalls.

But with today's online bargains, it is less clear who we are dealing with. Visiting one

Balance what you get with what you give away online

reputable company site can result in as many as 30 cookies from third party 'partners' being stored on our computers. And it's

increasingly difficult to know what the other side is getting, as they gather intelligence about our preferences, crafting a picture that may be far more complete than we want it to be.

Of course it's not just Google. Think about Facebook, Twitter, Pinterest and others. The bargain you made with these companies may have made sense when you signed up. But is it still a good deal?

It's a question we each must answer individually. Some tools that may help:

- If you use any Google service that requires a login, visit google.com/dashboard occasionally. Check the "Web History" section. Don't like what you see? Pause or even remove the history. Consider doing future web searches at startpage.com where you will not be tracked in the first place.
- Use the new Firefox add-on called Collusion to see third party tracking as it happens. Combine with the RequestPolicy add-on to gain some control. But be forewarned: More and more third party content is necessary for sites to remain useful so RequestPolicy must be tuned to allow for it.
- Occasionally check the Terms of Service and the Privacy Statements for services you use. Is your bargain still worth it?

It's true that the information we give in exchange for free services is not normally looked at by human beings but by robotic software. Many believe that makes the bargain palatable. Still, accidental data leaks happen where data is exposed to human beings. The key is to be aware of what you are exchanging and make deals that make sense for you. ■

Convocation2012

Building on success: Class of 2012

Shyronn Smardon, Architecture

"I like simple design. Nothing unnecessary," says Shyronn Smardon about his architectural philosophy. Mr. Smardon took both his Bachelor of Environmental Design Studies and master's degree at Dalhousie's School of Architecture. Before that, the Halifax resident enrolled in Dal's unique Transition Year Program (TYP), geared to helping First Nations and African-Canadian students fill academic gaps, to help him make the leap from high school to university. "Before

TYP, I really had no idea what university was. It was still very much an unknown in my family," says Mr. Smardon, who calls the program a "stepping stone."

In his subsequent studies, Mr. Smardon says he discovered both architecture and himself, including nascent interests in photography and product design, which he picked up while taking elective classes at NSCAD. What's next? "I don't see myself behind a desk. I could be anywhere from designing a label to furniture to the next Empire State Building," he says. "I think it's going to be one of those jobs I didn't know existed."

Rebecca Schneidereit



Photo: Nick Pearce

Ellen Denny, Music and Theatre

In her time at Dalhousie, Ellen Denny has played an eccentric countess (*The Madwoman of Chaillot*, 2011), a prim young bride (*Lady Windermere's Fan*, 2012) and a Victorian madwoman (*Sweeney Todd*, 2012) – just the latest in a rogue's gallery of memorable parts ranging

from *King Lear's* Cordelia to Alice (of the Wonderland variety).

"The opportunity to keep up the voice side of things while in acting school was a really big attraction to me," says Ms. Denny of her choice to study at Dalhousie. While here, Ms. Denny has worked both as a *Dal News* writer and an usher at the Dalhousie Arts Centre. Beyond that, she jokes "acting and music have taken up all of my time. I live at rehearsal, so I don't have hobbies!" While graduating this spring, the London, Ont. native won't be heading home just yet: she has her first professional acting job at Festival Antigonish.

Rebecca Schneidereit

Photo: Danny Abriel



Photo: Nick Pearce

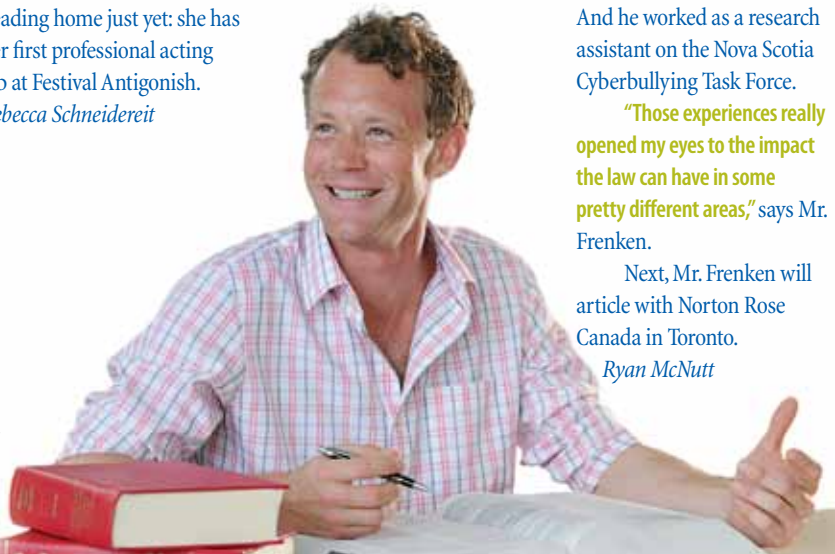
Courtney McCarthy, Engineering

"I wanted to be a problem solver." That's how Courtney McCarthy explains how she chose the field of engineering.

A driven leader within the Faculty of Engineering, the Enfield, N.S. native recently received the Volunteer of the Year Award from the Dalhousie Undergrad Engineering Society and was awarded a Gold D, recognizing her elite level of involvement in campus life over the course of her university career. She is the president of the Civil Engineering Society and vice-president of logistics for the Atlantic Engineering Competition 2012. Ms. McCarthy's proudest achievement is her work as a peer mentor.

Following graduation, Ms. McCarthy heads to Hatch Mott MacDonald, an engineering consulting firm in Cornerbrook, N.L. **"Engineering is a young, fun atmosphere but a lot of hard work. It's a great program and I loved it."**

Julie-Anne Sobowale



Ben Frenken, Law

Ben Frenken came to the Schulich School of Law with a classical disposition: two degrees in classics at Dal/King's and a master's thesis on Homer's *Odyssey*.

One language that Homer had yet to be translated into: the Weldon tradition.

Together with his classmates, the Ottawa native started the Weldon Literary Moot Society, which hosts a mock trial each year based on a famous work of fiction. The event raises money for Halifax Humanities 101, a local charity that offers free humanities classes to the community. Their first performance was Homer's *Odyssey*; this year, they presented Mary Shelley's *Frankenstein*.

Throughout his law degree, Mr. Frenken embodied the Weldon spirit of giving back. Through Pro Bono Students of Canada, he worked with Dal alumna Emma Halpern at the Nova Scotia Barristers' Society on campaigns to increase access to justice and advocate against sexual assault myths. And he worked as a research assistant on the Nova Scotia Cyberbullying Task Force.

"Those experiences really opened my eyes to the impact the law can have in some pretty different areas," says Mr. Frenken.

Next, Mr. Frenken will article with Norton Rose Canada in Toronto.

Ryan McNutt

“Common man,” comedy legend

In groundbreaking sketch comedy on *SCTV* and side-splitting movie comedies *Waiting for Guffman*, *Best in Show*, *American Pie* and many more, Eugene Levy has established himself as a Canadian comedy legend. But that’s not how this 2012 recipient of a Dalhousie honorary degree describes himself.

“I am the common man,” he has said. “I’m polite, I love my family and I play by the rules.

And sometimes I get pushed around. That’s my lifestyle, and that’s what I try to bring to characters.”

“His signature deadpan delivery makes him instantly recognizable on screens throughout the world and in many ways epitomizes the specifically Canadian dry sense of humour,” says Dalhousie theatre department chair Jure Gantar.

At this year’s Spring Convocation, Mr. Levy added “honorary Dalhousie graduate” to an incredible list of honours that includes five Canadian Comedy

Awards, a New York Film Critics Circle Award, two Emmy Awards, a Grammy, the Order of Canada, the Governor General’s Performing Arts Award for Lifetime Artistic Achievement and two spots on Canada’s Walk of Fame (one as an individual and one as a member of *SCTV*.) He has also advocated for a Canadian autism plan and been active in fundraisers for Gilda’s Club Greater Toronto, a cancer support centre. His daughter Sarah Levy is a Dalhousie theatre graduate.



Dr. Marcia Boyd



Dr. J. Gordon Duff



Ambassador Satya Nandan



Annette Verschuren

Celebrating leadership

Dalhousie is proud to recognize outstanding leadership with honorary degrees for:

Dr. Marcia A. Boyd, former president of the Association of Canadian Faculties of Dentistry, and a leader in dental education;

Dr. A.L. Burton Conrod, the first Canadian to be elected president of the FDI World Dental Federation and inaugural recipient of the Canadian Dental Association’s Medal of Honour;

Dr. John E. Dowling, an international leader in vision research who has done groundbreaking research on the retina;

Dr. J. Gordon Duff, Dalhousie’s first director of the College of Pharmacy and a Professor Emeritus at Dalhousie;

Dr. Wendy Hall, dean of the Faculty of Physical and Applied Sciences at Southampton University and internationally recognized for her contributions to computer science;

Ambassador Satya N. Nandan, former Secretary-General of the International Seabed Authority and former UN Under-Secretary-General for Ocean Affairs and the Law of the Sea;

Dr. Nancy F. Olivieri, senior scientist at the Toronto General Hospital, recognized internationally for her research in blood disorders;

Mohammed Shehadeh, a leader of construction in the United Arab Emirates and senior vice-president of Unibeton Ready Mix; and

Annette Verschuren, one of Canada’s key business moguls, former president of The Home Depot Canada and executive chair of NRSstor Incorporated, an organization focused on energy storage.

Too important for the experts

This year's Spring Convocation included the first-ever graduates of Dalhousie University's Environment, Sustainability and Society (ESS) program. The interdisciplinary program includes students from programs as varied as theatre, biology and business who have a keen interest in working across disciplines to find solutions to sustainability challenges.

"Sustainability is too important to be left to the experts," explains ESS Director Steve Mannell. "Our classes bring together students from all sorts of backgrounds and interests, so you get a richer diversity of perspectives."

The program is built on the notion that it will take input and cooperation from all corners of society – not just environmentalists – to find lasting solutions to challenges like urbanization, climate change and water supplies.

The program partners groups of students with organizations interested in becoming more sustainable. One project this year teamed second-year students with the Halifax Regional Municipality with the aim of finding ways to support an urban food system, and had them tackling challenges like transportation and energy efficiency for food storage.

There are currently about 600 students enrolled in the program across all years, and Prof. Mannell expects that number to rise to about 1,000 by 2014.

Exceptional student leaders honoured

"I wanted to push myself." That's how second-year biology master's student **Rebekah Oomen** explains her roster of campus activities. It's an understatement: Ms. Oomen works on 23 different committees and organizations, including being the president of the Biology Organization of Graduate Students (BOGS), co-ordinator of the student symposium and the graduate student senator for the Dalhousie Student Union. This spring, her role as a campus leader netted her a Governor's Award, the top prize given to students who demonstrate exceptional leadership and community service. Other honourees at the first annual Dalhousie Impact Awards ceremony were:

• **Sarah Bouchard:** Named the 2011 Outstanding Peer Advisor by the Faculty of Arts and Social Sciences, Ms. Bouchard has also been active in the DSU and this past year served as vice-president academic and external. She made a big impact on Dal by co-directing the "Dalifornia" video in 2010.

• **Chris Saulnier:** As two-time DSU president, Mr. Saulnier has made a significant contribution to Dal, helping establish, among other things, the DSU Department of Leadership.

• **Duane MacLeod:** Mr. MacLeod might not be a familiar face to Dal students in Halifax, but he's had a crucial impact on student life in Yarmouth at Dal's School of Nursing. Mr. MacLeod set out to bring Dal school spirit to Yarmouth, even though he is a busy father of three young boys. In his second year, he became Y-DUNS' first president. He helped run the first O-week in Yarmouth, planned the Nursing Ball and helped students raise \$3,000 for the Nova Scotia Autism Society. "Your university career is about more than a degree," says Mr. MacLeod. "It's about your experience and leaving a legacy."
Julie Sobowale





NS moves to block bullies

The report of a Nova Scotia task force on bullying and cyberbullying, led by Dalhousie law professor and human rights authority Wayne MacKay (LLB'78), has prompted the provincial government to introduce legislative changes aimed at protecting young people. *An Act to Address Bullying by Promoting Respectful and Responsible Relationships* was introduced on April 18 by Education Minister Ramona Jennex. **"Amending the Education Act will provide a framework for us, as a society, to work on the action plan to protect young people,"** said Minister Jennex in a statement. *(Editor's note: We reported on Prof. MacKay's work in the Fall 2011 issue of Dalhousie.)*



Photo: Nick Pearce

Reaching runs in the family

Dalhousie University and Nova Scotia Agricultural College (NSAC) have shared many headlines in the last year as the two institutions have moved towards a merger (see p. 20). The two also shared the marquee when some of Nova Scotia's brightest high school minds gathered at NSAC's Truro-Bible Hill campus in April for the provincial *Reach for the Top* championships, with Dal on board as the Nova Scotia program's first-ever sponsor.

But it turns out there's an even closer link between the two institutions on the province's winning *Reach for the Top* team, Cobequid Educational Centre (CEC) of Truro. CEC team member and Grade 11 student Ryan Terry is the son of a graduate of both NSAC and Dal: his father Kelly Terry graduated from NSAC with a Diploma in Agricultural Science in 1981, and went on to earn two degrees from Dal, a Bachelor of Science in 1983 and a Bachelor of Education in 1984. Ryan's mother Carolyn Terry also has ties to NSAC: she's worked there for 34 years, currently as the administrative assistant to the vice president of research, extension and outreach.

"Kelly instilled the love of the game and general knowledge in Ryan and both have an acute sense of factual and trivia recall," says Carolyn Terry. "Ryan's future educational plans remain undecided but perhaps in one more way, he will follow in Dad's footsteps and make Dal his alma mater."

This was Ryan's second time at the Reach Nationals. His father represented Nova Scotia with CEC at the Nationals in 1979. *Kim Pittaway*



Student super-achievers

Amidst a swarm of glittering gold star balloons, students, faculty and well-wishers paid tribute to the accomplishments of students and societies during the first Dalhousie Student Impact Awards in March. Black and gold pennant plaques were presented to a wide range of student super-achievers in many categories, including the Rising Star Awards for first-year students, Student Entrepreneur Award, International Student of the Year Award, Residence Life Impact and Leader Awards, Green Award, Student Activist Award and others. Student societies were also recognized, with awards for Best Student Society, Most Charitable Society, Best Faculty Society and others. In all, some 70 awards were handed out.

"These people here tonight, they bring truth to the Dalhousie motto," said University Chancellor Fred Fountain. **"Truly, you are all inspiring minds."**

For a full list of winners, please go to www.dal.ca/impact. *Nick Laugher*

Deconstruct

Power symbol: The Dal mace

FROM BATTLE TO CEREMONY Maces are formidable weapons of battle that evolved from simple clubs. While they are rarely used in combat today, they remain ceremonial symbols of authority and power.

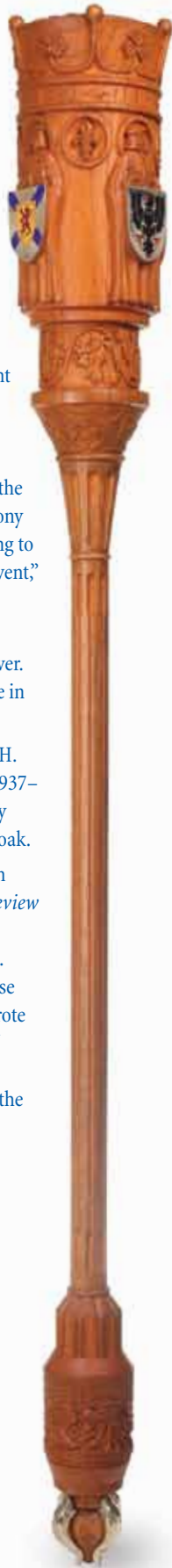
INDUCTION TO CONVOCATION Dalhousie University's mace is an integral part of convocation. Carried by the university Beadle leading the procession of graduates, the ornament signals the start and end of the service. "It's a beautiful work of art, but one I have to be careful with," says University Registrar Åsa Kachan, the first registrar to also serve as Beadle. Since 2007 the mace has also been used in the induction ceremony for first-year students. "We felt it would be exciting to put some pomp and circumstance around that event," says Ms. Kachan.

THE MACE'S MEASURE 1.5 metres in length, the mace is carved out of oak and decorated with silver. Throughout the year it is kept in a protective case in University Hall.

THE POLITICIAN AND THE PROFESSOR R.L. de C.H. Saunders, a Dalhousie anatomy professor from 1937–74, designed the mace in 1950 and former deputy mayor of Halifax A.H. Macmillan carved it from oak.

EMBLEMS AND MEANINGS Dr. Saunders wrote an article in the April 1950 issue of the *Dalhousie Review* in which he explained the meaning of the mace's various elements to Dalhousie's past and present. Among the emblems are four silver fish at the base "in recognition of the source of our economy," wrote Dr. Saunders. On the mace head there is a ring of mayflowers "symbolizing the province and the flowering of new civilizations." In recognition of the university's founder, the ninth Earl of Dalhousie, a Scottish coronet adorns the head, which also incorporates oak from the Earl's estate.

Jacob Morgan



A ring of mayflowers symbolizes the province "and the flowering of new civilizations."

In recognition of the university's founder, the ninth Earl of Dalhousie, a Scottish coronet adorns the head.

The mace is 1.5 metres in length.



Oak from the Earl of Dalhousie's estate is incorporated into the mace.

Four silver fish adorn the base "in recognition of the source of our economy."

Photo: Shervin Lainez Microphone image courtesy Rose Cousins.com

o SPRING | 2012



WITH A LITTLE HELP
FROM HER
FRIENDS

BY RYAN MCNUTT

THE DIY SUCCESS OF SINGER-SONGWRITER ROSE COUSINS

When Rose Cousins (BScK'99) writes a song, it's a solitary process: alone, with her guitar, pulling chords and phrases out of the ether to communicate an idea from the heart.

To make it truly sing, though, takes a community.

The lush, inviting sound of the Halifax singer-songwriter's third album, *We Have Made a Spark* – emphasis on “we” – was built in Boston, in collaboration with a group of musicians and singers that first welcomed Ms. Cousins into their circle eight years ago. But the record is also a collaboration with her friends and fans, who donated more than \$25,000 via the fundraising website Kickstarter to support the production of the album and its accompanying documentary, *If I Should Fall Behind*.

“Every record I've done has been at least partially fan-funded,” says Ms. Cousins, whose do-it-yourself ethos reflects a modern music industry quite removed from the clichéd rock fantasy of signing a big-money label deal. “I helped fund the first couple of albums through PayPal, having forms at shows and sending out emails. But in the last couple of years, there's been these new online tools that allow you to organize that process a bit more.”

Through the Kickstarter site, Ms. Cousins offered rewards for different levels of support: advance downloads, signed CDs, mentions in the liner notes and even homemade cookies. As the pledges increased, she filmed videos to thank her supporters, and in just a month and a half surpassed her original target of \$20,000.

“You never quite know what people are going to do when you give them an opportunity to be part of something,” she says. “But I feel like my fans are the sort who are invested in my career, and some have been supporting my career for the entire time I've been doing this. I'm committed to my music, and it's amazing to have others who are committed to me in return.”

Ms. Cousins' commitment to music was first sparked as a Dal student, during her kinesiology degree. She'd always wanted to play guitar, and was soon borrowing her friend's acoustic six-string so often that it practically lived in her dorm room all semester. After purchasing her own acoustic guitar with her birthday money and contributions from her fellow dorm residents, Ms. Cousins began frequenting the now-defunct Halifax club The Tickle Trunk, playing the open mic circuit alongside scene staples like Matt Mays and Charlie A'Court. At first, she performed covers, but in time began showing off her songwriter's voice, with heart-stirring compositions that offered intimate accounts of the ties that bind people to one another, and the tensions that break them apart.

“YOU NEVER QUITE KNOW WHAT PEOPLE ARE GOING TO DO WHEN YOU GIVE THEM AN OPPORTUNITY TO BE PART OF SOMETHING.”



After graduation, she worked as an alumni liaison officer with Dal's External Relations office, continuing to grow her music career on the weekends. It was while hosting an alumni event in Boston that Ms. Cousins discovered Club Passim, noticing that many of her favourite artists from the New England area had played there. On a whim, she left a copy of her first EP, *Only So Long*, with a club employee. Nine months later, she got a call, and was asked to perform as part of a benefit festival.

"I ended up travelling to Boston to play that festival for several years, each time meeting more and more people and getting drawn into this community," she says.

Just prior to releasing her debut album, *If You Were For Me*, in 2006, Ms. Cousins left her job at Dal to focus on music full time. In the years that followed, she released a second album (2009's *The Send Off*) and collaborated with artists such as Jill Barber, Meaghan Smith and Joel Plaskett (that's her singing throughout Plaskett's *Three* album). She also racked up accolades, including the Canadian Folk Music Award for Contemporary Singer of the Year and three East Coast Music Awards. Dalhousie joined in the action as well, presenting her with the Christopher J. Coulter Young Alumnus Award in 2009.

Throughout, she kept returning to Boston. As she immersed herself deeper into its collaborative, welcoming music scene, she realized that she had found the right people, and the right place, to record the songs for *We Have Made a Spark*. "It's that same kind of supportive community that I come from in Halifax," she says. "As a team, there's room for everybody, and everyone brings their own flavor. It's not like there's a complete lack of ego, but they're able to play a song as a skeleton and then we all shape it together."

Songs that had been written alone – some of them in a secluded cabin on a New Hampshire island – became living, breathing entities at Q Division Studios in Somerville, Mass., where the likes of James Taylor, Aimee Mann and Patty Griffin have recorded previously. The group of players working with her, sometimes as many as 15 at a time, performed together in a single room, adding a plethora of voices, rhythms and textures to the songs.

The album has quickly become her most acclaimed release to date, and she has plans to tour it across North America this year. It seems fitting that a record funded by fans, and made with friends, seems poised to expose Rose Cousins' music to new communities from coast to coast.

"I feel closer to [this album] than my other ones because I know everyone that's on it, and I know that everyone on it cares about me, and that I care about them. It was made with a group of people that represent a lot of love and heart." ■



DIY digital branding

by Ryan McNutt

Just like Rose

Cousins, artists and entrepreneurs are discovering how new technologies can be used to mobilize fans, friends and supporters. We asked Dan Shaw, marketing expert and director of Dal's Bachelor of Commerce program, to offer advice on building a career using social capital.

Be industrious "It takes a different skill set than just being an artist... you have to not only be IT savvy, but marketing savvy. You have to think about these tools as an opportunity to tell your story: as an artist, as a business, as a brand."

Be connected "In personal selling, you start with your centres of influence. And especially in the Maritimes, that can take you rather far. It's not six degrees of separation here; it's more like one or two."

Be supported "In the music industry, there have often been street teams: groups of fans in each city that would put up posters, sell merchandise, request the song on radio or TV and spread the word. We call that support 'sweat equity.' Now, that support has gone digital; it's now 'click equity.'"

Be yourself "Connecting with fans the way Rose does works because it's authentic. Getting an offer from Rose directly isn't like having it come from a big label rep from New York or LA. It's more intimate." ■

As the Faculty of Dentistry celebrates its centenary, a long tradition of community outreach continues to grow

BY LISA ROBERTS (BA'95, MDE'03)



SAVING SMILES



At the North End Community Health Centre (NECHC), just kilometres away from the Dalhousie Faculty of Dentistry, fourth-year dental students provide care to some of Halifax's most vulnerable people in a new three-chair clinic that opened in November 2011. It's the latest outreach clinic for the faculty, which is celebrating its centenary this year and which has a long history of community care, including programs for children at two schools in the Halifax area and for veterans living in long-term care. At NECHC, under the guidance of Chris Lee (DDS'04) and Ferne Kraglund (DDS'04), two faculty members hired in 2009 explicitly to expand outreach activities, students take care of addicts, the homeless and people with mental illness.

"Ferne's had patients who gargle gasoline to try to get rid of the pain," says Dr. Lee, who gained valuable experience – and discovered his calling – working on the downtown East Side in Vancouver.

For the students – and for most anyone – it's hard to imagine taking a measure as extreme as gasoline gargling. "You take it into your own hands because you're desperate," explains Dr. Kraglund, the school's only specialist in dental public health. "When you have \$100 and you go to the dentist, and they do an X-ray and an exam and they tell you to get a prescription, your \$100 is gone pretty quickly." And if the money is needed to pay for food or drugs – sometimes drugs used to mask the chronic pain of bad teeth – then the root cause is never dealt with.

For any Halifax-area resident with a cavity or a toothache, but without insurance, the Dalhousie Faculty of Dentistry's 200-cubicle dental hospital has long been a godsend. Anyone can receive treatment for approximately 50 per cent of the rates charged in private practice. But Dean Tom Boran wants to do more. As the faculty celebrates its centenary, Dr. Boran – who's been associated with the school for more than a third of its history – is championing access to care.

"My mandate when I became the dean was to enrich the student experience and provide more outreach," says Dr. Boran, who began teaching part-time in 1979. "You do one to support the other. The key to our faculty – and this is something that started very early on in our history – is patient experience. Our students are in the clinic in the first week of their first year."



Dr. Chris Lee and Dr. Ferne Kraglund

In its 100th year, the faculty was recognized with the Gies Award, the top honour for dental education in North America. The award recognizes the international reputation of the school and the faculty, staff and students as providers of ethical, caring and compassionate health care. It was the first Canadian school to be so recognized by the American Dental Education Association.

Outreach initiatives – like the clinic in North End Halifax – provide a greater range of experiences and challenges for students, while at the same time providing excellent care to underserved patients. Dr. Boran also points to the new dental public health elective, taught by Dr. Kraglund, where students spend two weeks treating mostly Inuit patients in Hopedale, Labrador; and to Dr. Lee's collaboration with local emergency rooms, where doctors now provide localized anesthetic for patients with dental pain and refer them to the emergency clinic in the basement of the dentistry building.

Right now, full dentistry is available in the North End clinic just one day every two weeks; another day each week, students in the Bachelor of Dental Hygiene program provide preventive services, such as cleanings. Service will expand when a new general practice residency program, led by Dr. Lee, starts up in July 2013, pending funding. The residents will provide an additional day a week of service.

"It's the reason I left private practice and came back to the school," says Dr. Lee, who spent years helping to design the modest clinic in collaboration with major donor, health-care products company Henry Schein. "It's because I have, in my career, seen major barriers to people being able to get care."

Dr. Boran has engaged alumni to help lower those barriers. Alumni donations to the Oral Health Development Fund pay for "sponsored care" for vulnerable patients and also cover the costs of shipping sterilized equipment to the North End on clinic days. Dr. Boran's long-term goal is to have graduating dentists feel that outreach is "the natural thing to do." He credits his own early experience at Dalhousie for his conviction that dentists must worry about the patients who can't afford to walk through the doors of a private practice.

"The priority is patient care," he says. ■



BY MARILYN SMULDERS

unsinkable

THE FASHIONS OF THE TITANIC

During the many late nights spent in the studio recreating Lady Lucile Duff-Gordon's traveling suit, costume studies student Heather Freeman thought a lot about the celebrated fashion designer who survived the sinking of the RMS Titanic.

Awakened out of a deep sleep by a "funny, rumbling noise," Lucile, her husband Sir Cosmo Duff-Gordon and her maid Laura Mabel Francatelli found their way through the chaos on the deck to Lifeboat 1. Although built to hold 40 people, the boat was lowered with just 12 aboard. Besides the Duff-Gordon party, most of the others were crew members. The Canadian-born couturiere, a rival of Paul Poiret, was overheard to commiserate with her maid as the so-called unsinkable ship slipped beneath the waves: "There is your beautiful nightdress – gone."



Why didn't they try to rescue more people?

Did Sir Cosmo give the crew members money to keep them from rowing back? Did Lucile really say it was too dangerous, that the boat would get swamped?

Ms. Freeman, a graduating student from Dartmouth, has her theories. After all, in preparation for her work, she read everything there is to read about Lady Lucile Duff-Gordon: her testimony at the British inquest, her syndicated fashion columns and that salty autobiography called *Discretions and Indiscretions*. She poured over the designs that made Lucile the toast of London, Paris and New York as film stars and royalty clamored for her designs.

“She’s like a friend of a friend. You know all these things about her, you just haven’t actually met her,” says Ms. Freeman, who was putting the finishing touches on her outfit not long before she walked on stage for the program’s annual fashion show, this year titled *Titanic 2012: A Recollection of Dress*. The chic traveling suit – jacket, hobble skirt, silk blouse and hat – is based on a Lucile design from 1912. With some help, Ms. Freeman carefully negotiated the steps to the catwalk, taking baby steps in the restrictive, tight-at-the-knees skirt and using her parasol almost like a cane. During her turn on the runway, she paused to remove

the elegant brown wool jacket and revealed the ivory silk, wrap-front blouse beneath. Made to fit precisely, untold hours went into the suit's creation, from drafting the patterns, sewing the muslin mock-ups and adding trim. Ms. Freeman says she spent an entire day arranging the tiny perfect pleats on the skirt's waistband.

The show, held at the Maritime Museum of the Atlantic, was the feathered-and-sequined cap on a demanding academic year. The 16 graduating students modeled the dresses they created for the Titanic passengers they came to know intimately through their research.

Like many of the classes in Dalhousie's Costume Studies program, associate professor Lynn Sorge-English's Aesthetics of Historical Dress stresses research and academic skills as it advances applied skills. Each year, she picks a different era from Halifax's past for her students to explore. The Titanic centenary in 2012 seemed a perfect occasion to learn about the pre-First World War period – a transitional time in history which flirted with social and political change right before the First World War. The first-, second- and third-class passengers who rushed for the lifeboats were a microcosm of Western society – from the who's who of the upper crust, the Guggenheims, Astors and the aptly named Fortunes, to the would-be immigrants heading to America with hopes for a better life.

The students gravitated to the stories of independent women who were among the Titanic's 700 survivors. And they also tended to

choose women from the upper class, not only because there was more information available about them, but because their gowns were so divine. Victoria Bruer of Stratford, Ont., for one, decided to portray newlywed Edith Pears, of the English soap manufacturing family, and created an evening dress for her based on a House of Worth design. Nicole Dowdall of Montreal posed as Lucy Noelle Martha Leslie, Countess of Rothes, wearing a tiered red gown made from silk, lace and velvet. Cathleen McCormack of Halifax as Edith Rosenbaum Russell exuded glamor in a white satin gown with a wide velvet cummerbund that trailed behind her like a train. Edith, from a wealthy Cincinnati family, filed the largest damage claim against the White Star Line when the 19 trunks she brought with her were lost to the Atlantic.

Marlee Bygate was the exception, choosing to portray a young Parisian whose body was never recovered. The elusive Henriette is so shrouded in mystery that Ms. Bygate isn't even sure how her last name is spelled – Yrois? Yvois? All that is certain is that she was traveling on a second-class

ticket with a man who wasn't her husband. Her existence was noted in a journal entry by another passenger as a "young wife, evidently French, very fond of playing patience."

Ms. Bygate, from Thunder Bay, Ont., created an exquisite satin and chiffon gown of an asymmetrical design for her mystery woman. "I wanted to make something special to remember her." ■

Fashionable foundations

The fashion of the Edwardians, like the era itself, was on the cusp of change. In a few years, women's clothing would be more practical and definitely less pretty.

But not yet. This is the era when fashionable ladies changed their clothes two to four times a day, trading one lovely ensemble for another. The silhouette was slim and column-like, with a raised waist and ankle-length skirt.

"The beauty of the garments is derived from the simplicity of the shape and the opulence of the surface decoration," explains Lynn Sorge-English, associate professor of costume studies, whose research interest lies in body shaping clothing through the centuries. "The look was effortless elegance."

But effortless was an illusion. In truth, feather-light layers of chiffon, chantilly lace and silk were laid on rigid, confining foundations. And these body-hugging foundations, in turn, were fitted snugly to the corsets worn underneath.

"Time's almost up for the corset, but I can understand why women were so reluctant to let it go," says Rosalie Ferris, a graduating

student from Washington, D.C., who chose to research and portray Hilda Slater, a bride-to-be from Halifax.

"You definitely feel more restricted in the corset but it supports your body for you. There is no option, you definitely hold yourself straighter."

At *Titanic 2012: A Recollection of Dress*, Ms. Ferris provided a glimpse of an Edwardian lady's underclothes when she was dressed onstage by her "maids." She wore silk knickers and a lace-trimmed chemise as her corset was laced from the back, drawing in her waist, flattening her tummy and pushing up her breasts. Then, her two-piece evening gown – a bodice with peek-a-boo sleeves and high-waisted skirt in shimmering, fawn-coloured silk charmeuse – was slipped on top.

Ms. Ferris spent almost an entire week adding sparkle to the gown by applying more than 3,000 rhinestones by hand – and using Facebook to update her progress. On the morning of the show, her status decreed "2,586 rhinestones done, 366 left." By showtime, she was done. ■



LIVE LONGER, HEALTHIER— and smarter!

Dal researchers are uncovering key insights into how we can age gracefully. One key? Don't wait for tomorrow to adopt these smart aging strategies BY SKANA GEE



Is aging gracefully – and healthily – a matter of good genes and better luck? Or can we boost our chances of enjoying an energetic old age? Dalhousie University researchers across disciplines are probing this question, and results suggest strategies we can adopt, whatever our age, to improve our elder years.

From a project that uses smart phones to improve mobility, to a 20-year study that will shed new light on the process of aging, Dalhousie staff and students are toiling today to help tomorrow's seniors live longer, healthier – and smarter.

“We're really interested in understanding the process of aging, not just studying the aged,” says Susan Kirkland, a professor in the Departments of Medicine and Community Health and Epidemiology and Dalhousie's lead researcher on the Canadian Longitudinal Study on Aging. Supported by the Canadian Institutes of Health Research, this massive undertaking will follow 50,000 people aged 45 to 85 for 20 years.

“The trajectory from mid-life onward is crucial to how you age. This really allows us to look at critical periods, critical events, and how these things inter-relate over a lifetime,” says Dr. Kirkland. “You can't really look at the social aspects in isolation from the physical aspects and the economic aspects and the physiological aspects.”

She expects the study's findings will influence policies across the country, and be accessed and used by a multitude of researchers from many sectors, long after it's finished. But those of us concerned about aging better today needn't wait: Dal researchers have insights that can help us age smarter – starting now.

GET SMART

The research Pssst ... wanna improve brain function as you age?

The solution, pure and simple, is exercise, says geriatrician and professor Kenneth Rockwood. “If you could put it in a pill, you'd make a hundred million bajillion dollars,” he says. “Exercise has been scientifically demonstrated to increase the part of the brain that shrinks, that's associated with dementia, the hippocampus.”

He's seen the results firsthand: his “star patients” – those whose condition hasn't worsened in 10 years – all are physically active. Exercise also appears to prevent dementia, a fact he emphasizes to the middle-aged children of his patients. “What I'm aiming to do is have people die healthier,” he says.

How you can age smarter Up your exercise quotient, with Dr. Rockwood's advice:

- Get an exercise program custom designed by someone in the know
- Include exercises you can do regardless of weather
- Exercise with an enthusiastic coach – a spouse or friend
- Aim for 45 minutes of brisk activity five or six days a week
- Include or add 30 minutes of simple resistance training three days a week.

“After six weeks or so you will resent it less. By four or five months you may become that obnoxious person who says ‘I can't talk to you right now – I have to go for my run,’ ” he says.



GAME ON

The research The stereotypical image of a “gamer” might be a slack-jawed teen, but what if older people used iPhones and Wiis to improve their joint health?

“You could have a senior who needs to keep walking, and we could equip them with a smart phone that would send them a text to remind them to go for a walk and would monitor how much they walked and how they’re walking,”

says Michael Dunbar, professor of surgery in the Division of Orthopedics. “When they’re done walking, they would turn off the app and get some feedback about how they’re doing.

They wouldn’t have to go into a hospital.”

Dr. Dunbar and his 15-person research team want to improve gait health by helping older adults avoid needing joint replacement surgery in the first place, and by customizing artificial joints once they’re required. And smart phones and Xboxes will likely play a role.

For instance, a patient could exercise in front of a TV gaming system, with the results fed back to hospital staff and researchers for analysis. Or someone with a problem-causing gait could receive biofeedback via headphones while on a treadmill.

If joint replacement is needed, such devices can be used to determine the best location and placement for them, rather than the current system of implanting each one the same way.

How you can age smarter While research is still in the early stages, Dr. Dunbar suggests the principles can improve joint health at any age. Find apps that can help by searching online app stores using the keywords fitness, exercise reminder or exercise tracker. Find fitness programs for gaming systems by searching keyword fitness on the Playstation and Xbox websites.

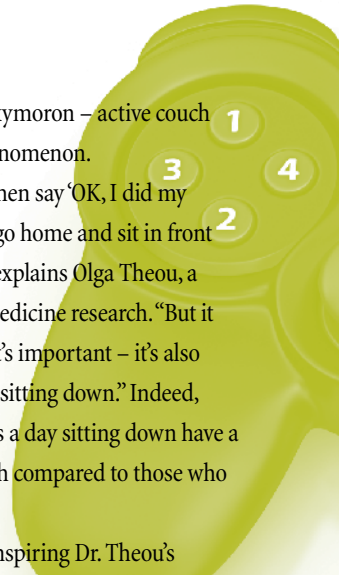
JUMP UP

The research It sounds like an oxymoron – active couch potato. But it’s a modern-day phenomenon.

“People go to the gym and then say ‘OK, I did my exercise for today and now I can go home and sit in front of the TV all day and eat chips,’” explains Olga Theou, a postdoctoral fellow in geriatric medicine research. “But it turns out it’s not just exercise that’s important – it’s also about how much time you spend sitting down.” Indeed, exercisers who spend seven hours a day sitting down have a 50 per cent increased risk of death compared to those who only sit for one hour a day.

These sorts of insights are inspiring Dr. Theou’s upcoming research into the mobility of hospital patients in Nova Scotia. She’ll use accelerometers – devices that measure acceleration forces and sit on the hip much like a pager – to determine when, how and how long they’re lying down, sitting, standing and moving. “We want to see how mobility impacts on their recovery,” she says.

How you can age smarter Staying in constant motion isn’t usually an option. But standing desks are becoming more popular, even for computer users, and simply ensuring that we stand and move as much as possible fosters incremental benefits. Why not set a computer timer to go off every 30 or 60 minutes, and then spend five minutes doing tasks while standing? Or use phone time as an excuse to get vertical. It all adds up.



VIDEO GAME CONSOLE

BACK

SELECT

A
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B

MIX 'N' MATCH

The research Injury and brain disease can have a significant impact on how we process information. But it isn't always easy to figure out exactly how those processes have been affected, and what we can do to help repair them.

"We don't really have good interventions right now for cognitive problems," admits Gail Eskes, associate professor of psychiatry at Dal. Enter the cognitive repair kit being developed by Dr. Eskes with Bedford software company TeamSpace. With funding from the federal government's Atlantic Canada Opportunities Agency (ACOA), they're creating software to both assess and prescribe treatment for stroke patients of all ages, focusing on "working memory" including paying attention, doing two tasks at once and staying on track. While this version of the kit is targeted at stroke patients, later versions may be developed for other patient groups.

In another line of research, Dr. Eskes is studying normal aging and how physical activity and cognitive engagement through a variety of leisure activities affect cognitive performance. In this research, she's found that diverse activities – crossword puzzles, photography, reading, computer games, volunteering – can help older people maintain their cognitive performance.

How you can age smarter This research suggests diverse leisure activities are key to maintaining memory and overall cognitive ability. Dr. Eskes says this suggests that learning a new skill or varying your routine can be beneficial. And, since exercise seems to magnify the effect, regular physical activity is also key.

BUILD CONNECTIONS

The research Social vulnerability isn't just about not getting invited to the cool kids' parties. For older people, it can mean life or death.

"Even when we look at the healthiest older people, their social vulnerability makes a really big difference to their mortality," says Dal geriatrician Melissa Andrew. Her new study shows highly vulnerable people – based on factors such as socio-economic status, community engagement, availability of caregivers – have more than twice the mortality of those with the lowest vulnerability. The study found a mortality rate of 30 per cent versus 10 per cent, says Dr. Andrew, who recently published the findings in the journal *Age and Ageing* and hopes to replicate the study in another country, as well as in a local hospital.

Social environments should be part of a holistic approach by health-care providers, Dr. Andrew argues. "Someone might live alone but have lots of support and engage in lots of activities to make up for that. By artificially simplifying things, we miss the bigger picture," she says. "We need to determine how we can think in a more structured way about people's social environment, which will also allow us to come up with targeted interventions."

How you can age smarter Dr. Andrew's research to date indicates those with better connections to a support network are healthier in old age – and those connections don't develop overnight. Forging connections through community activities and fostering relationships across generations can keep us healthier as we age. ■



Nova Scotia Agricultural College and Dalhousie University set to grow together

merger take

BY KIM PITTAWAY



How can we make our food supply safer? Is eating local the best option? As our climate changes, how can farmers adapt to shifting weather conditions? How can Atlantic Canadian food producers gain a competitive edge in improving their crops and agri-food products? And, on a planet that produces more than enough food to feed us all, why do a billion people still go hungry?

The questions range from micro to macro, from local to global, but all centre on agriculture. “In the coming century, there will be no bigger issue on the planet than food,” says Richard Donald, vice-president of research, extension and outreach at Nova Scotia Agricultural College (NSAC). “It is as important or more important than energy.”

Which makes the timing of a merger between NSAC and Dalhousie, announced earlier this spring, auspicious. The merger, which will see NSAC in Truro-Bible Hill become a faculty within Dalhousie University while maintaining its distinct campus, is effective September 1.

A HISTORY OF COLLABORATION

“We’re building on a history of collaboration,” says Susan Spence Wach, associate vice-president academic at Dalhousie and leader of the merger transition team. Prior to the merger, NSAC was part of the government of Nova Scotia’s Department of Agriculture, but NSAC’s degrees were conferred through Dalhousie and researchers at the two institutions have a history of collaboration. “At a time when agricultural issues have a renewed prominence globally, to

have an agricultural discipline as part of a comprehensive research university like Dalhousie is very valuable,” adds Ms. Spence Wach.

The merger benefits both partners, as well as students, faculty and the broader community says Harold Cook, inaugural dean of agriculture and campus principal for the Faculty of Agriculture post merger. “One major outcome is the enhanced environment for innovation in educational options and opportunities, as well as for research and improved agricultural delivery,” says Dr. Cook, a graduate of NSAC and a former dean of Dalhousie’s Faculty of Medicine. “All are enhanced by the pooling of the talents at both institutions. There is strength in numbers and in combined research.”

PRACTICAL BENEFITS

So what does that mean in practical terms? For students, the merger could mean greater flexibility in course options and possible expansion of course offerings at the Truro-Bible Hill campus. For faculty, operating under one umbrella will bring improved opportunities for collaborative research and funding, with fewer administrative barriers. And for Atlantic Canadian agricultural producers and agri-food businesses, there will be new opportunities to tap into the combined resources of the two institutions. For instance, the agriculture expertise at NSAC combined with the food sciences and engineering expertise at Dalhousie could allow for more comprehensive consideration of the challenges that Nova Scotia fruit growers and wineries face, says Ms. Spence Wach. “Together,

s root



we hope to be even more responsive to local agricultural needs than we have been individually.”

That kind of industry-based research is a particular strength of the NSAC team, says Dr. Donald. “While NSAC represents about 10 per cent of the research funding that Dal does, what that number doesn’t tell you is that we have much greater success proportionally in industry-funded research. There is an opportunity for us to be a leader within Dal on this kind of partnership, and I think that’s something significant that we bring to the table.” At the same time, Dr. Donald points to Dalhousie’s success in managing international collaborations and large international research clusters as an opportunity for building on NSAC’s existing efforts in international research.

ADDRESSING GLOBAL PROBLEMS

But the synergies aren’t limited to the hard sciences, says Dr. Donald. “If you look at the problems we face and will face in agriculture and food, they involve social science aspects as well: global trade, access to trade, development of markets and legal, business and social issues,” he says. “All are areas where Dalhousie can add to our understanding.”

Ms. Spence Wach agrees. “The kinds of complex and multi-faceted agricultural issues that we face – at the community, national and global levels – need multi-disciplinary expertise to address them, and the merger positions us to do that,” she says. ■

Partnership in action

A close look at some apple peel provides an intriguing example of the potential for collaborative research at NSAC and Dalhousie University. Vasantha Rupasinghe of NSAC’s Department of Environmental Sciences and George S. Robertson of Dalhousie’s Faculty of Medicine have been collaborating on research examining the impact of apple peel flavonoids on cognition and motor abilities. Dr. Rupasinghe has developed a flavonoid-enriched formulation called AF4 from apple peels that Dr. Robertson has demonstrated can safely and markedly reduce brain injury and motor deficits in a mouse model of stroke, and decreases spinal cord injury and paralysis in a mouse model of multiple sclerosis. Research and development is in progress to explore the potential of AF4 for commercialization as a natural health product. ■

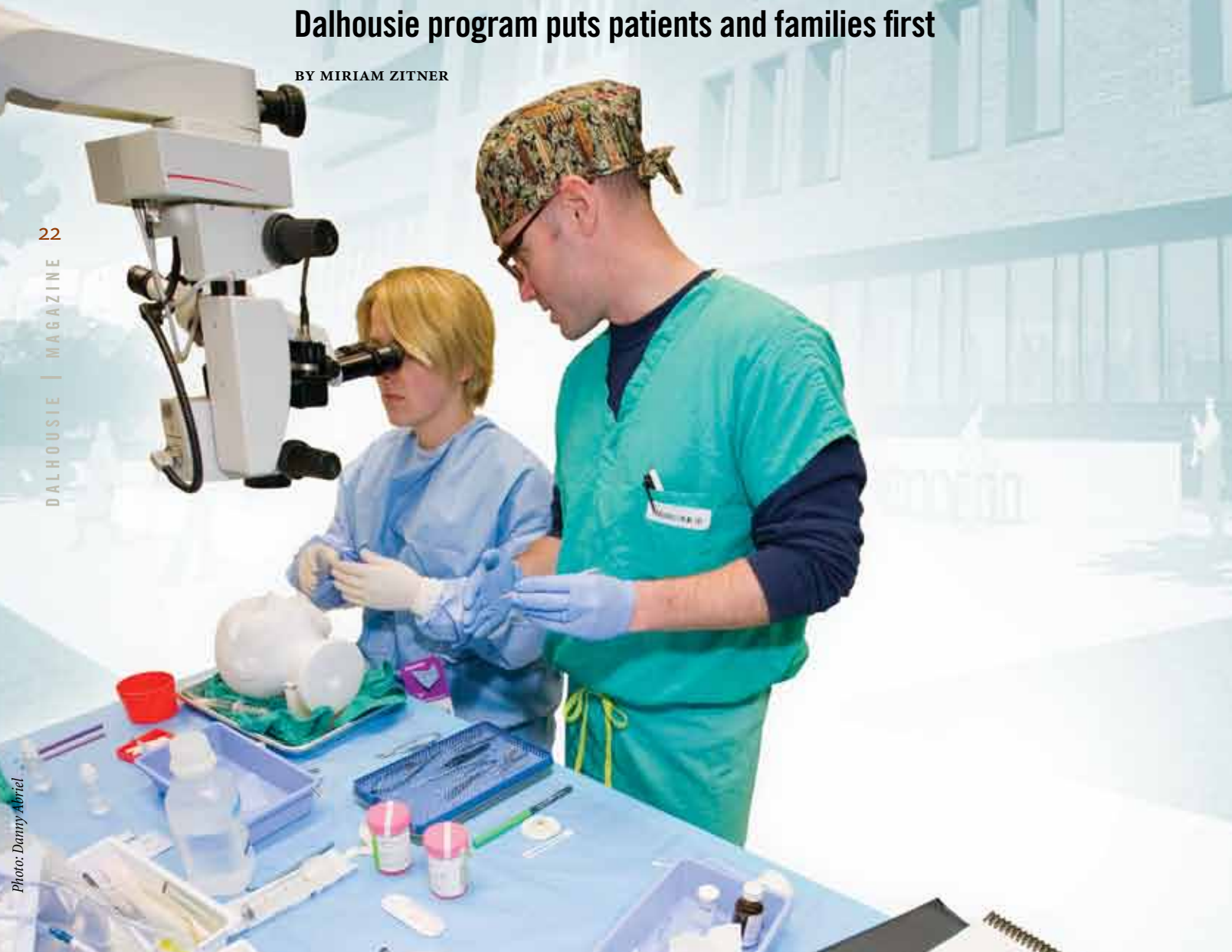
BOLD AMBITIONS THE CAMPAIGN FOR DALHOUSIE



BETTER TEAMWORK= BETTER HEALTH CARE

Dalhousie program puts patients and families first

BY MIRIAM ZITNER



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DALHOUSIE | MAGAZINE

www.boldambitions.ca

Photo: Danny Abriel

Imagine you have recently suffered a stroke. Finally well enough to be discharged from hospital, you're assessed and given instructions by several different health professionals to help you on the road to recovery. But the information may be complex. You're tired and anxious to go home. And you're also confused about how it all fits together, who you'll see for follow-up – and maybe even who to ask for clarification.

Now picture leaving the hospital after being treated by a single team of health professionals who collaborate to provide you with one discharge report organized according to your lifestyle goals, whether that's being able to eventually walk up and down the front steps, put the groceries away or drive your car.

That's the kind of shift in treatment that patients can expect to experience as a result of a new approach to interprofessional health education underway at Dalhousie.

"We often hear from people that their care is fragmented and not everybody knows what's going on with them," says Anne McGuire (MHA'92), president and CEO, IWK Health Centre. "We tend to practice medicine, nursing and physiotherapy in silos and patients and families have suffered because of that."

That siloed approach is one that Dalhousie's health education faculties are committed to changing as they embark on a range of initiatives designed to encourage interprofessional collaboration. Those initiatives will come to fruition fully through a new health education centre designed to foster and enhance interprofessional training, a \$45-million building for which fundraising is being undertaken through the *Bold Ambitions* campaign.

Will Webster, dean of Health Professions, says the research is clear: outcomes improve when you have teams working with patients and families instead of individuals interested only in the outcomes of their own field. Dr. Webster says one of the keys to interprofessional health

education is getting students to learn "with, from and about one another." It's an approach also encouraged by Health Canada, which in a 2007 report concluded "the success of primary health care reform in Canada depends largely on the ability to grow and sustain collaborative care and teamwork as the new 'cultural norm' for Canadians."

Intimately familiar with the benefits of shared goals and collaborating, Anne Godden-Webster, a speech-language pathologist by profession, is the interprofessional experience coordinator with the Faculty of Health Professions. Ms. Godden-Webster says interprofessional health education teaches students how to work together through overlap in curricula, shared case studies and lab work, and real-world collaborations during practicum placements in district health authorities in Nova Scotia and across the Maritimes.

Dalhousie's Faculty of Health Professions, which is comprised of eight schools and one college, is the most profession-diverse health sciences faculty in Canada, training close to 2,500 students in just under 20 different professional programs. Along with the Faculties of Medicine and Dentistry, it is already educating the next generation of collaborative health professionals according to the National Interprofessional Competency Framework of the federally funded Canadian Interprofessional Health Collaborative, which focuses on areas including interprofessional communication, patient/client/family/community-centered care and collaborative leadership among other areas. Such training includes having students participate in a number of interprofessional collaborative learning experiences, of which at least one is during a practicum placement. During practicums, students from different health professions work together on a patient case then present their teamwork and key learnings to faculty and staff at the corresponding district health authority.

The campaign will allow the faculties to take that preparation to the next level. "*Bold Ambitions* is probably the biggest push to making interprofessional health training a reality, especially with our interprofessional health education building," says Tom Boran, dean of Dentistry.

The 100,000-square-foot, \$45-million building, to be built on the corner of University and Summer Streets, will support interprofessional health education through state-of-the-art classrooms designed to support collaborative learning, tutorial labs, common lounges and eating areas, library facilities, and an enhanced learning resource centre with clinical simulations. An additional \$25 million will fund chairs in health informatics, medical education, nursing and collaborative practices, pharmacy and business, and oral health research. It will also support three funding programs: the interprofessional health internship fund, rural communities program and an oral health endowment.

That emphasis on rural communities is of particular importance, says Dr. Webster. The program's focus on collaboration and rural communities is key to transforming the health care system. As well, rural institutions can be ideal training grounds because they are simpler to navigate and their smaller size can make collaboration easier.

"The entry-to-practice scholarships and rural bursaries the *Bold Ambitions* campaign will help fund will provide tuition scholarships and travel and accommodation bursaries to students participating in practicum placements in rural areas," says Dr. Webster.

With fundraising efforts well underway, Dalhousie expects to break ground on the new building in the coming year with an anticipated date of completion in 2015. ■

COLLABORATING ON VACCINES

BY MIRIAM ZITNER

Building health and building skills

The three little letters – RSV – don’t sound deadly but in fact, they stand for a ubiquitous virus that can wreak havoc. In adults, RSV (or respiratory syncytial virus) might cause a runny nose and a mild headache. But in children – especially preemies and kids with lung, heart or immune system diseases – RSV can have severe, sometimes fatal repercussions. Highly contagious, it’s one of the most common causes of respiratory illnesses in children, spreading easily through droplets from coughs and sneezes and living on counters, doorknobs, clothing and other surfaces. Worse, there’s no vaccine to combat it.

That’s something that researchers at the Canadian Center for Vaccinology (CCfV) are trying to change. But their work isn’t limited to looking for new vaccines: they’re also working to find ways to boost the effectiveness of existing vaccines, minimize immunization pain (wouldn’t an ouchless vaccination be nice?) and test the efficacy and safety of over-the-counter remedies like COLD-FX.

Launched in June 2006 and located at the IWK Health Centre, the CCfV is an example of Dalhousie’s efforts to take interprofessional health collaboration out of the classroom and into the world. A partnership with the IWK Health Centre and Capital Health, the CCfV includes 20,000 square feet of research laboratories, clinical trial facilities, a containment level III laboratory and more. It is the first

facility of its kind in Atlantic Canada where experts in fields such as bacteriology, molecular biology, health law and bioethics can collaborate with funding agencies and industry on national projects to fast track new vaccines and improve the efficacy and cost of those that already exist, explore vaccine-preventable illnesses in all ages and prepare for influenza pandemics.

Interprofessional collaborations like the CCfV are at the heart of Dalhousie’s health education programs, where educational and research initiatives designed to encourage such collaboration are seen as key to improving patient care and outcomes in the health-care system. The *Bold Ambitions* campaign will help enhance interprofessional collaboration in a number of ways, most significantly through the development of a new \$45-million health education centre designed specifically to enhance interprofessional training.

“The Canadian Center for Vaccinology is a powerful example of what can be achieved when various stakeholders come together as partners,” says Eliot Phillipson, former president and CEO of the Canada Foundation for Innovation. “This facility will provide an outstanding venue and environment for the training of the next generation of Canadian health scientists.” ■

SUPPORTING STUDENT SUCCESS

**\$10-million endowment helps make
medical school more accessible**

BY JOANNE WARD-JERRETT

The numbers tell a shocking story: Aboriginal people are five times more likely to have active cases of tuberculosis than the average Canadian, and almost four times more likely to have diabetes. And marginalized populations such as African Canadians and other visible minorities, as well as rural populations, all tend to have higher rates of poverty, low education and poorer health outcomes, risk factors that can accumulate over time and result in chronic disease.

“In order to address these issues, it is important that our medical school reflect the diversity of the Maritime communities we serve,” says Tom Marrie, dean of the Dalhousie Medical School. “A robust bursary and scholarship program will help open the door to deserving students who might not otherwise have the resources.” That’s the thinking behind the medical school’s \$10-million bursary and scholarship endowment, a priority under Dalhousie’s *Bold Ambitions* campaign.

“Our goal is to offer the best undergraduate program in North America and providing financial support

will help us to attract the best students,” says Dr. Marrie. In this vision, the dean has the support of many stakeholders.

“Many Aboriginal students have experienced various barriers along their lives and educational path that affect their ability to apply

to medicine,” says Kara Paul,

program manager of Dalhousie’s Aboriginal Health Sciences Initiative (AHSI). “Admission, in itself, can be a barrier. It tends to favour students who have the advantage of being able to devote themselves fully to their studies; however, there are other factors that need to be considered.” For one thing, Ms. Paul says, there is a huge disparity between the health of marginalized communities and the health of the overall population. “The fact that this disparity exists means that something fundamentally isn’t working.”

As Ms. Paul points out, marginalized populations – which include African Canadians and other economically disadvantaged groups, as well as Aboriginal communities – face many complex barriers, not all of which are immediately apparent. For example, she says, Aboriginal



Outreach is equally important when it comes to building awareness of educational opportunities

students traditionally start their families early. “That’s our culture. The result is that single mothers face many barriers to education because they are parents and breadwinners as well as students. And these are challenges that cross many boundaries among marginalized communities.”

“Money is certainly an important part of the accessibility equation,” agrees Sharon Graham, director of admissions and student affairs with Dalhousie Medical School, who believes that the scholarship and bursary fund will help level the playing field. However, she is quick to add that outreach is equally important when it comes to building awareness around educational opportunities for marginalized populations.

“We need to get into the schools as early as Grade 4 or 5 if we want to engender the notion that a medical education is a realistic goal for kids. It’s important for them to connect the fact of doing well in school to the possibility of pursuing a career in the health professions.” And once they successfully apply to and are admitted to medical school, those long-term supports also need to be in place. “We need to build on our commitment to lifelong learning and take it that one step further with these underrepresented groups,” says Ms. Graham. ■



Photo: Nick Pearce

Reaching out to Aboriginal students

That we need more Aboriginal students in the health fields to better reflect the population of Canada is a given. But how can we get more Aboriginal students to enrol in the health sciences?

That’s the challenge being tackled by Dalhousie’s Aboriginal Health Sciences Initiative (AHSI) and Aboriginal Health Sciences Advisory Committee (AHSAC), a collaborative project comprised of faculty and staff members from Dalhousie and Cape Breton University, as well as leaders from Aboriginal communities in Nova Scotia, New Brunswick and Prince Edward Island.

“We need to do our part and contribute to the narrowing of the gap between the health of marginalized populations and the health of the overall population,” says AHSI program manager Kara Paul. “That’s one reason why we need more Aboriginal students in the health fields. We’re not there yet, but Dalhousie is taking steps to make that happen.”

Originally funded through the Aboriginal Human Health Research Initiative (AHHRI), the project is now funded by the three health faculties (Medicine, Dentistry and Health Professions), along with the office of the vice-president academic and provost. AHSI is charged with implementing the recommendations made collaboratively with the local Mi’kmaw community.

“It is a highly collaborative approach, and we feel this will lead to good discussion and solutions,” says Ms. Paul. ■

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something for everyone. Visit dal.ca/homecoming for more information.

Don't miss the chance to reminisce about your time at Dal and catch up with fellow classmates. If you want to help organize a reunion event, contact the alumni office at 902.494.8801.



What do you remember most about your time at Dal?

Alumni events

Spring and summer 2012

This spring, alumni gathered to reconnect and learn what's new at the university at receptions in Boston, Vancouver, Nassau, Bermuda, Edmonton, Calgary and London, U.K. In Halifax, the Faculty of Dentistry celebrated its centennial with over 50 classes reuniting.

Alumni events later this spring and summer include: **Alumni and Friends Reception** in **New York City**, June 14, **Engineering Alumni Golf Tournament** in **Calgary**, June 15 and **Alumni and Friends Reception** in **Truro**, June 21.

For more information about alumni events, visit dal.ca/alumni/events or contact us at alumni@dal.ca or **1.800.565.9969**. You can also like our page on Facebook at facebook.com/dalumni. If you've been missing out on event invitations or you're planning a move, please update your contact information at dal.ca/alumni/update or email alumni.records@dal.ca so we can keep in touch.

Event photos: (from top) *Calgary Engineering Lobster Dinner, Hong Kong, Vancouver, Bermuda*



Thursday, September 27

Engineering Golf Tournament
The Alumni Dinner

Friday, September 28

President's Reunion Lunch and Class Photos
iViva FASS! Homecoming Reception
Faculty of Computer Science Alumni Lecture and Reception
Faculty of Dentistry Alumni Reception
Faculty of Engineering Class Reunions
Department of Economics Alumni Dinner
Schulich School of Law Class Reunions and Annual Law Alumni Dinner
Innis Christie Symposium on Labour and Employment Law
Faculty of Management Alumni Dinner and Gala

Saturday, September 29

Dentistry Harold Brogan Golf Tournament
Faculty of Management Building Tour
Lobster Tailgate/Dalhousie Tigers Football

Visit dal.ca/homecoming for a full list of events, registration and tickets.



Helping inspire future Dalhousians Choosing a university is a big decision; alumni can play a key role

There is nothing like taking a trip down memory lane to bring back fond and happy memories. Over the past several months, Dalhousie alumni across Canada have been taking such figurative trips as they participate in Dalhousie recruitment events, sharing their Dal experiences with prospective students.

“We have been so pleased by the number of Dalhousie alumni who have volunteered to spend time with prospective students at recruitment events, sharing their stories and their enthusiasm about their days at Dal,” said Douglas Ruck (LLB’77), Dalhousie Alumni Association board member who has chaired efforts to encourage alumni

participation at recruitment events this year. “What has been particularly inspiring is the range of graduation years and faculties represented at the events.”

For the past number of years, alumni have participated in these events in cities across Canada. This year, the number of alumni participating has grown from previous years, and plans are afoot to grow those numbers even further in future years.

“Having participated in recruitment efforts in Calgary for a number of years, I highly recommend this key role that we, as alumni, can play at these events,” said Rhonda Wishart (BSc’76, MSW’78, LLB’81). “It’s quite fun to

get caught up in the energy and enthusiasm of the prospective students and satisfying to help answer the numerous questions that the students and parents have on their minds about this next big step in their lives. I also find it a wonderful way to stay connected and current with what is happening at Dalhousie.”

Recruitment events take place all year round throughout Canada and we are always looking for alumni from all graduating years and faculties to participate. If you are interested in learning more, please contact Bill Chernin, associate director, volunteerism at wchernin@dal.ca.
Alix Dostal

“It’s quite fun to get caught up in the energy and enthusiasm of the students and answer the numerous questions they and their parents have about this next big step in their lives.”



Come to Homecoming 2012 to see the new Dalhousie University

Last year I returned to Dalhousie to attend the 50th anniversary of my 1961 graduation. What I saw was a completely changed and modernized university with many new academic and residence buildings – significantly enhancing the educational experience for Dalhousie students.

In 1961 there were about 1,700 students at Dalhousie. Last year, enrolment was in excess



A Dalhousie class in 1961

of 17,000. Since my classmates and I graduated in 1961, Dalhousie has added a student union building, a management administration building, a computer science building, a new law building, a new arts centre, the McCain building, the Killam Library, a new academic building on the corner of Lemarchant Street and Coburg Road, and a number of student residences.

Dalhousie has also merged with the Nova Scotia Technical College and Nova Scotia Agricultural College. We have witnessed the dedication of Wickwire Field and the addition of Dalplex, a multi-purpose athletic facility.

We invite you to join us at the end of September for Homecoming 2012 so you can see the new Dalhousie first-hand.

Robert A. Cunningham (BComm'61)

Classnotes

1960s

1965

Marie McCully Collier, DPH, received the Canadian Public Health Association's (CPHA) Public Health Human Resources Award recognizing her significant contributions to the field. Marie has strengthened the public health workforce in Nova Scotia, and the rest of Canada through her work as a public health nurse, educator and administrator. She is also recognized as one of Canada's most respected facilitators of online learning, as well as mentor, role model, change agent and volunteer.

1970s

1973

Heather Kirk, BA, has just published her sixth book. *Be Not Afraid: The Polish (R)evolution, "Solidarity,"* was published in late 2011 by Borealis Press of Ottawa. It is an introduction for young adults (Grades 11 and 12) and adults to the non-violent resistance movement, Solidarity. As distinguished British historian Timothy

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 DALHOUSIE
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Spotlight

SAILING TOWARDS THE OLYMPICS

When Danielle Dubé (BMgmt'10) qualified last January for the upcoming summer Olympics, it marked a pinnacle in a sailing career that she'd once believed was over.

The 25-year-old Dal grad became the first Nova Scotian to qualify for the London 2012 Olympic Games during a World Cup event in Miami.

The only child of Judy Martin and Claude Dubé (who graduated from the Faculty of Dentistry in 1980), Danielle began sailing at age nine, when a friend who wanted to try it talked her into it.

"I was a little bit afraid of the deep, dark water," Ms. Dubé confesses. The experience also marked her introduction to synchronized swimming, when the instructor – who was experienced in both – showed them some moves.

Ms. Dubé had found a winter sport and a summer sport, although by 2003 she was focusing solely on sailing – in her byte, a one-person dinghy. She began competing nationally and then internationally, seeing the world from various ocean views.

She eventually set her sights on the Olympics, switching to the laser radial, a 14-foot single-handed dinghy with one mast and one sail,

in 2005. But despite promising results during the next several years, Ms. Dubé found the pressure of her sport overwhelming.

"I fell out of love with the sport a little bit," she admits. So in 2010 she retired, finishing her Bachelor of Management degree and taking a job at her father's Halifax dental practice. But the break – and time spent with a sports psychologist – convinced her that she wasn't finished, and she returned to competition late that year.

Fast forward, and Ms. Dubé and teammate Erin Rafuse are now based out of Weymouth, U.K., where the laser radial Olympic competition takes place in July. But she'll bounce around to other locales – including France, Spain and back to Halifax,

where she sails out of St. Margaret Sailing Club and the Royal Nova Scotia Yacht Squadron under trainer Brian Todd.

She'll also be trying to gain 8 to 10 pounds, since the crux of laser radial sailing lies in the ability to counterweight the light craft with core and quad strength.

"I'm really excited. I've run the whole gamut of feelings. After Miami, I was tired but relieved – I've been working really hard for a long time," says Ms. Dubé. "Now I can't wait to have that whole Olympic experience!"
Skana Gee






Garton Ash has explained: Solidarity was “the icebreaker for the end of the Cold War.” Heather, who taught in universities and colleges for 30 years, has been writing professionally for more than 40 years. For more information about Heather and her work, visit www.heatherkirk.ca

1974
Carl R. Smyth, BArch (NSTC), was made a Fellow of the Royal Architectural Institute of Canada (RAIC), at the Festival of Architecture, held in Vancouver, B.C. Carl is currently based in Fredericton, N.B.


1976
Mike David Perry, LLB, has recently published his second novel, a romantic courtroom drama entitled *Mickey and Angie*. His first novel, *Child of the Grail*, was published in 2011. Catch up with Mike at his website: www.mikedavidperry.com

1977
Karl West, BA, BEd, currently the principal of Annapolis East Elementary School in Middleton, N.S., retires in June after 35 years of teaching in the Annapolis Valley. Karl has recently been appointed honorary colonel of 14 Mission Support



Marcia Boyd
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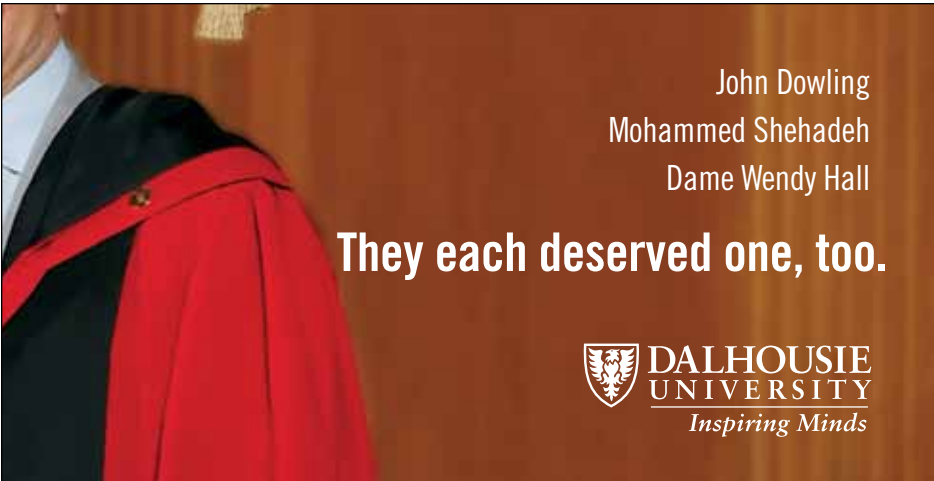
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Graduate Studies

dal.ca/grad

Squadron at 14 Wing Greenwood. He and his wife, **Muriel**, BCom'76, live in Kingston, N.S., where they have raised their three children: **Christian**, BEng'05, Jessica, and **Anna**, BEng'11.

1979
Ralph Lewis Matthews, MD, and Beth are currently voyaging in their motor yacht, Docs Holiday. You can follow their return to New Brunswick by googling "Docs Holiday coming home," or by visiting www.cruisingwithdoc.blogspot.com

1980s

1982
Pearl Sullivan, DEng (TUNS), BEng (TUNS)'85, MAsc'86, is heading up the largest engineering school in Canada as the University of Waterloo's newly appointed dean of Engineering. The first female to hold that position, Pearl, in her late 40s, says she doesn't like the term "role model" as a female in engineering, but prefers to be considered a mentor. Born and raised in Malaysia, Pearl came to Nova Scotia and Dal for her education in civil engineering. She then completed a PhD at the University of British Columbia's Department of Metals and Materials Engineering. After teaching at UNB, Pearl joined the engineering faculty at the University of Waterloo in 2004 in mechanical engineering. Her new appointment commences July 1.

1984
Harold Pearce, PhD, a long-time faculty member at NSCAD (1971-2001), has been an adjunct professor and sessional instructor in the Faculty of Education at the University of Alberta for the past 12 years. In October 2011, he was named the Post Secondary Art Educator of the Year by the Canadian Society for Education through Art at their conference in Fredericton, N.B. In April 2012, Harold also received the University of Alberta Faculty of Education Sessional Instructor Teaching Award.

1985
Paula Altenburg, BA, recently left a management position with an aerospace company to write fiction full time. She writes urban fantasy and paranormal romance under her own name, Paula Altenburg, and under a pseudonym as co-author Taylor Keating and she is releasing two new books this year. One is with MacMillan/Tor, one of the major traditional U.S. publishing houses, and the other is with Entangled Publishing, a very hot new U.S. publisher with an impressive digital platform. Both releases are part of three-book contracts. Two books in the series with Tor have already been released, one in November 2010 and the other in May 2011. Paula is also writing demon westerns for Entangled, and that series begins this year.

Spotlight

RETURN ENGAGEMENT

After being a stained glass artisan for more than 20 years, Philip Doucette says the best thing about the colourful, translucent material he works with is its ability to shake up preconceptions. People tend to think of glass as brittle and fragile, something to be handled delicately. “But glass actually is a very strong material, and you can do a lot of things to it,” Mr. Doucette explains.

It’s an insight that applies to more

than glass for Mr. Doucette. While Mr. Doucette acquired many university credits at Dalhousie during the 1980s, he never completed his degree. But play a game of trivia with him, and

you’ll soon find out that he’s knowledgeable on a wide spectrum of topics, leaving his teammates asking: How does the guy with no degree do better than players who have two?

In high school, Mr. Doucette had great science marks and was encouraged to choose a university program that guaranteed a job. He enrolled in the College of Pharmacy in 1979, but soon discovered the pharmacist path wasn’t for him. As well, he says the pressure of being a pharmacy student began to reveal some features in him that would later evolve

into a full psychological disorder. After two years in the pharmacy program, he did a year of mixed courses to figure out which path best suited him. English was his newfound passion.

He became an honours English student, but then his anxiety disorder took over. Mr. Doucette had panic attacks and was unable to deal with stress. “I started missing class,” he recalls. “I started having trouble leaving the house.”

After dropping out of Dalhousie in 1986, Mr. Doucette enrolled in some courses at NSCAD, thinking art therapy would help. The stained glass course he took shaped his life. By the end of the decade he was an established artisan with a studio.

But despite his success – owning a studio, serving as president of the Nova Scotia Designer Crafts Council for six years, and teaching at NSCAD – there was always the (occasionally pointed out) incomplete degree. Then Mr. Doucette surprised everyone when, after more than 20 years, he decided to reapply to Dalhousie University.

With the help of the Mark A. Hill Accessibility Centre, Mr. Doucette is on his way to completing a 15-credit degree with a concentration in English. “There are people who have been involved in the process of my particular case, who have shown great humanity,” he says. “And because of that, I feel a great sense of gratitude for the opportunity to come back.”

He knows a handful of other artists with incomplete degrees. “They ask me about it. If it all proceeds successfully, it may lead to other mature students coming back to Dalhousie. I feel good about that.”

This artisan? Not as fragile as you may have thought.
Michelle Hampson



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Pamela J. Goulding, Q.C., LLB, has been appointed to the position of judge of the Provincial Court of Newfoundland and Labrador. Called to the Bar of Newfoundland and Labrador in 1986, Pamela became the Senior Crown Attorney in 2001. She conducted an extensive appellate practice which included more than 100 appearances before the Court of Appeal. She also argued two murder appeals before the Supreme Court of Canada. Pamela was appointed director of Public Prosecutions in 2006 and Queen's Counsel in October 2008. Pamela also holds a black belt in the martial art of Taekwon-Do (ITF).

1988

Cheryl LeBlanc-Weldon, BA, BEd'89, graduated from Mount Saint Vincent University in May 2011 with an MEd in literacy. She won the Governor General's Gold Medal for Academic Excellence and membership in Kappa Gamma Pi, which is based on scholarship, leadership and service. Her husband Trevor, daughter Julia, sister Susan, and father Danny were in proud attendance at the convocation ceremony. Cheryl is a teacher for the Halifax Regional School Board.

Kathryn Harvey, BA, MLIS'05, formerly archives specialist in Dalhousie's Archives and Special Collections (2003-2009), has recently been granted continuing appointment and promotion at the University of Guelph as head of Archival and Special Collections (ASC). She has her hands full with exciting challenges as she oversees a proposed \$9-million expansion of the facilities, which house the largest theatre archives in Canada, Lucy Maud Montgomery's personal papers, and important agricultural and rural history collections, as well as rare books and manuscripts comprising the largest collection of Scottish studies resources outside the U.K.

1989

Morgan Douglas-Alexander, BA, Honours Cert.'90, married Bruce Alexander in December 2011. She is working as a pedagogical counselor with an Inuit school board in Nunavik, Que. Morgan works in 14 remote communities (reached by plane only) with teachers in the secondary English sector for both second-language and social sciences. She was also part of the writing team for the creation of a new second-language program and is on the implementation team for the new Inuit-oriented social studies program. Morgan has also started on her PhD and has been published in the *Learning Landscapes Journal*, an educational magazine published in Quebec.

1990s

1997

Gisele (Melanson) Thibodeau, BScN, received the 2011 Nursing the Future Torch Award in

recognition of outstanding leadership in nursing. The Torch Award honours a senior nurse who supports, encourages and seeks to advance new nurses in the workplace. Gisele is a clinical instructor at Dalhousie University School of Nursing – Yarmouth site.

Jeremy Kohm, BA, after a short ESL teaching career, became a professional advertising and editorial photographer. He says he has to credit Dal's English program as it helped develop his critical thinking and ability to deconstruct narratives – the skills he relies on when approaching his photography work. Jeremy was recently named one of the 200 Best Ad Photographers Worldwide by *Luerzer's Magazine* and it seemed like a great opportunity to thank the people who helped him through his humble beginnings.

2000s

2004

Marianne Stanford, PhD, married the love of her life, Craig, on September 5, 2009. She moved back to Halifax to start an exciting and challenging job as director of research with Immunovaccine, Inc. in November 2010. On July 14, 2011, Marianne and Craig welcomed their son McKinley Craig Stanford Bleeks into the world.

Catherine Chow, MBA, and Michael Hudson are engaged. Although the couple went to the same high school, they didn't start dating until after they met during the MBA/MMSc program at Ryerson University in Toronto. They are now planning for the big party at 1 King West Hotel and Residences and look forward to seeing many of their friends, professors, and colleagues at the nuptials in fall of 2012.

Craig C. Burton, BEng, a sustainable design consultant and high-performance building modeler with eight years' experience working in the U.S. and United Kingdom, has joined PositivEnergy Practice to lead the Clean Technology Team. Founded in early 2010, PositivEnergy Practice (PEP) now has 22 employees. The firm, which is based in Chicago, conceives, designs, implements and manages energy performance, resource management, and carbon reduction strategies.

2011

Patricia Henman, BA, was awarded Song of the Year for "Movin' On" at the Kootenay Music Awards on March 31. The lyrics to the song were written by fellow Dal alumna and friend Janet MacEwen. Pat's debut album, *Solo*, was released in 2011.

InMemoriam

Nigel Francis Rusted, BSc'29, MD'33, St. John's, N.L., on March 19, 2012

Harold Hall Sawler, BA'36, MA'37, Dartmouth, N.S., on December 12, 2011

Thomas Lewis Rogers, DDS'38, Shelburne, N.S., on March 15, 2012

Dorothy Ross (Johnson) Linkletter, BA'38, DEd'39, Sackville, N.B., on March 15, 2012

Robert Duncan Mussett, DEng'43, BSc'46, Halifax, N.S., on January 18, 2012

Anita (Rosenblum) Dubinsky, BSc'44, Kanata, Ont., on February 7, 2012

John George Densmore, BSc'46, DEng'46, Hudson Heights, Que., on April 15, 2012


William Gordon Feron, BA'47, Lake Elsinore, Calif., USA, on March 8, 2012

Pius Manning Sigsworth, MD'48, Halifax, N.S., on December 25, 2011

Douglas Maxwell Cox, BA'48, MA'49, Deep Brook, N.S., on April 17, 2012


John Rogers McKenna, BSc'49, Oakville, Ont., on February 4, 2012

Frances Christine (Saulnier) Power, LCMUS'49, Portuguese Cove, N.S., on March 15, 2012



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Janet Ann (Sinclair) Hunt, BA'50, Etobicoke, Ont., on March 11, 2012

Lee Malcolm MacNaughton, BA'50, New Glasgow, N.S., on March 25, 2012

Joan Elizabeth Cummings, BA'51, LLD'05, Halifax, N.S., on February 6, 2012

Philip Clarke Jefferson, BA'51, Dundas, Ont., on April 11, 2012

Donald Bruce Keddy, MD'51, Lunenburg, N.S., on March 10, 2012

Alan Hamilton Marshall, BA'51, MA'55, Ottawa, Ont., on January 21, 2012

Roderick Joseph Chisholm, LLB'52, Antigonish, N.S., on January 21, 2012

John McDermot Dunphy, BEng'52 (NSTC), Halifax, N.S., on January 8, 2012

Robert William Alexand Cochran, BCom'53, Burlington, Ont., on December 12, 2011

Floyd Keith Horne, BCom'53, LLB'55, Dartmouth, N.S., on March 5, 2012

Walter Struan Robertson, BCom'53, LLB'53, DEngr'83, Bedford, N.S., on January 1, 2012

Harold Allen Sharp, DPHRM'53, Sussex, NB, on March 14, 2012

Ian Michael Doig, BCom'54, Calgary, Alta., on March 10, 2012

Stanley Cyril McPhee, BEng'54 (NSTC), Reserve Mines, N.S., on February 28, 2012

James Richard Chalker, LLB'56, St. John's, N.L., on February 6, 2012

Gerald Manuel Hewitt, DDS'59, St. John's, N.L., on April 8, 2012

Carl Vincent Brackett, BEng'60 (NSTC), Blaine, Wash., USA, on January 29, 2012

Edmond Ryan, PGM'60, Amherst, N.S., on March 2, 2012

Mary Elizabeth Timmins, DPH'60, Dartmouth, N.S., on December 18, 2011

Holmes Alexander Matheson, LLB'61, Brampton, Ont., on March 9, 2012

Frederick James Dickson, LLB'62, Truro, N.S., on February 9, 2012

Henry Drew Sperry, DEngr'64, BArch'66, Dartmouth, N.S., on March 25, 2012

Ronald William Beazley, MD'65, Dartmouth, N.S., on March 29, 2012

Gediminas Peter Jocyis, DDS'65, Halifax, N.S., on January 18, 2012

James Findlay Richardson, LLB'66, Vancouver, B.C., on December 27, 2011

Alan Paul Chandler, LLB'67, Halifax, N.S., on January 8, 2012

Linda Lee (Cantelope) Patterson, BEd'67, Lunenburg, N.S., on March 7, 2012

David Arthur Winter, PhD'67, Waterloo, Ont., on February 6, 2012

Mary Patricia Irene (Quinlan) Jones, BA'68, Toronto, Ont., on April 11, 2012

Paul Daniel O'Regan, DEDS'68, BSc'69, BEd'69, Dartmouth, N.S., on March 10, 2012

Elizabeth Pamela Renouf, BEd'68, Halifax, N.S., on February 6, 2012

Douglas Arthur Bolivar, BSc'71, Pleasantville, N.S., on January 12, 2012

Joseph Francis Mossey, MD'71, Edmonton, Alta., on January 11, 2012

Wilson Kelvin Verge, BA'71, BSc'75, Dartmouth, N.S., on January 19, 2012

Kamla Chopra, MA'72, Halifax, N.S., on January 13, 2012

Peter Dean Dumaresq, BSc'72, BEng'74 (NSTC), Dartmouth, N.S., on December 16, 2011

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Richard Gerald Haugen, BA'72, Blockhouse, N.S., on March 15, 2012

Laura Philomena Hawco, DNSA'72, Unknown, on December 17, 2011

Marilyn MacIsaac, DNSA'72, Halifax, N.S., on March 10, 2012

Mohan Oommen Iype, PGM'73, Rothesay, N.B., on February 14, 2012

Bernard Wayne MacQueen, BA'73, White Rock, B.C., on March 18, 2012

Peter Christopher Underwood, BSc'73, LLB'81, Halifax, N.S., on March 26, 2012

John Dower Embree, BA'74, LLB'77, Antigonish, N.S., on March 26, 2012

Patricia Ann Coolen, LLB'75, Toronto, Ont., on January 28, 2012

Gary Richard Foster, LLB'75, Shelburne, N.S., on April 2, 2012

Gilbert Lawson Gaudet, LLB'75, Halifax, N.S., on March 4, 2012

Richard James, MBA'75, Halifax, N.S., on January 12, 2012

Marcus Charles Porter, BSc'75, BCom'77, MBA'81, Dartmouth, N.S., on December 22, 2011

Paul Joseph McCarvill, DDS'76, Kensington, P.E.I., on January 22, 2012

William Michael Perkins, BCom'77, LLB'81, Toronto, Ont., on April 12, 2012

Mary Rebecca Rohrbacher-Carls, MSc'78, Juneau, Ark., USA, on February 10, 2012

Diane Mary Curtin, BN'81, Orleans, Ont., on February 27, 2012

Margaret Anne Highet, BN'82, MN'00, Halifax, N.S., on January 20, 2012

Michael Douglas Smith, BSc'83, BEng'85 (TUNS), Halifax, N.S., on February 9, 2012

Scott Daniel Colville, BSc'84, Keswick, Ont., on December 21, 2011

Alexander Kier Gigeroff, BA'84, Gagetown, N.B., on December 24, 2011

Ethel Deborah-Lee Jones, BA'84, BEd'87, Truro, N.S., on February 17, 2012

George Innes Turnbull, MA'86, Dartmouth, N.S., on March 7, 2012

Jennifer Julia Fong, BN'87, LLB'91, Calgary, Alta., on March 9, 2012

Laura Lee Munro Beaton, BA'89, Dartmouth, N.S., on March 7, 2012

Dale Bradley Kennedy, BEng'94 (TUNS), Calgary, Alta., on December 10, 2011

Huma Khalid Morrison, BSc'95, BEng'99, Prince Albert, Sask., on March 14, 2012

Trevor A Titus, BEng'96 (TUNS), Quispamsis, N.B., on January 31, 2012

Helen Ann Lampow-Maundy, MASC'97, Calgary, Alta., on February 2, 2012

Sarah Kathryn Mair Gonsalves, BA'02, Lunenburg, N.S., on January 9, 2012

Louise Catherine McGowan, BEng'05, Halifax, N.S., on February 21, 2012

CORRECTION

The *In Memoriam* section of the Winter 2012 edition of *Dalhousie* magazine erroneously cited the obituary of Elizabeth Abbie (McLellan) Anderson, DPH'66. Our sincere apologies to Betty (McLellan) Anderson and her family for any pain and confusion this error may have caused.



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Sarah Keeshan, Class of 2012

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theBackstory

STEPPING OUT



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DALHOUSIE | MAGAZINE

NAMES Jeannette Janssen and Nauzer Kalyaniwalla

HOMETOWNS Horst, Netherlands and Mumbai, India, respectively

THE POWER OF TWO The two professors met at Dal more than a decade ago and married within two years. While Dr. Janssen, who works in the mathematics department, uses graph theory to study the structure of networks on the web, Dr. Kalyaniwalla does similar work using graphs in the computer science department. They've collaborated on work and have even taught the same course. And their similar tastes extend beyond academics – to flamenco, the fiery, passionate dance with Spanish, Arabic and Indian roots.

THE DANCE With sweeping arm movements and rhythmic foot stomping, this intensive solo dance is all about emotion. The dancer must nonverbally communicate with the musicians, who often improvise the music to match the ever-intensifying mood of the dancer.

THE SPARK Dr. Janssen and Dr. Kalyaniwalla's affection for this dance began in the T-Room about 10 years ago when the couple saw a flamenco dancer perform and were intrigued. "We saw posters for classes and it looked impossible," recalls Dr. Kalyaniwalla. Despite always loving music, he had never "done" music, so he had to learn the structure of rhythm. Dr. Janssen describes herself as a clutz, but says the two of them were attracted to flamenco because it would be "a real challenge."

THE FIRE What has kept their passion for flamenco burning for 10 years? Both enjoy the music and the physicality of the dance. "It's very intense," explains Dr. Janssen. "During the dance that we have in class, you can't think about anything else. I have to leave work at the door, because otherwise you really can't dance. You have to pay full attention."

THE BEAT GOES ON "I learned music through flamenco, and that's what kept me excited about it," says Dr. Kalyaniwalla. He adds that his experience as a "perennial student of flamenco," learning from dance instructor Maria Osende and her guest teachers, has improved his own computer science teaching. "It makes me a more aware teacher." ■

by Michelle Hampson



Photo: Danny Abriel

Photos: Nick Pearce

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A woman with blonde hair and glasses is sitting on a green grassy field. She is wearing a black Dalhousie University jacket over a yellow shirt, black pants, and orange sandals. Her hands are clasped in her lap. To her left is a black water bottle with 'DALHOUSIE UNIVERSITY' printed on it. The background shows a grassy field with white and orange lines.

IN EVERY TIGER BEATS THE HEART OF A CHAMPION.

For former national volleyball team member Karen Moore (BComm '82), it wasn't competing in the Canada Games, Pan-Am Games, or even the Olympics that she's most proud of: it was winning the '82 national university volleyball title for Dalhousie in front of a home crowd. That's Tiger Pride. And for Karen and proud alum everywhere, they turn to the Dal Bookstore for an unbeatable selection of Black & Gold clothing and gear.

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