

DAL MAGAZINE

FALL 2013



“We need to talk”

Insights on tough talks with Mom and Dad

WILL YOUR NEXT CAR BE ELECTRIC? ● BUILDING A BETTER GRAPE
EDUCATING TOMORROW'S JACQUES COUSTEAU ● 21ST-CENTURY JUSTICE SEEKERS

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DIDN'T SOMEONE KILL THE [ELECTRIC] CAR?

These days, electric vehicles (EVs) are getting a boost, due to recent technological improvements and gradual consumer acceptance. But what will manufacturers, the buyers and policy makers need to consider as the electric car gets into gear? By Jane Affleck (BA'00)



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CAR SMARTS

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For older adults and their middle-aged children, conversations about health care, housing, finances and other issues related to aging can be tough to have. Even tougher: not having those conversations early enough.



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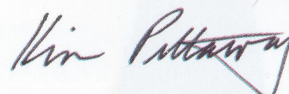
EDITORIAL

OUR NEW LOOK

How can we make your magazine better? That question was at the forefront as the Dal Magazine team worked over the past months to refresh the magazine you hold in your hands. Key to our effort was our desire to make reading the magazine a bit like being part of a smart, lively dinner conversation. We want to welcome you to the Dalhousie table, and give you the chance to engage with Dal's top minds—both faculty and alumni—in discussions about the issues that matter today and will matter tomorrow.

Guided by that desire and by what you told us you wanted in our reader survey last February, we've made a number of improvements. Our new front section, retitled "Dal News," offers up a range of appetizers—short bites about what's going on at Dal, with a focus on how Dal's people and research make a difference in the world. The main course comes in our features, and because we know you want smart, insightful content, we've created what we hope is an appealing mix of articles, long and short, that touch on a range of faculties and topics. Dessert comes in our enriched alumni section, where you'll find the latest alumni updates as well as profiles of alumni who are building a better world and excelling professionally. New in the mix is "Dal DNA," where we celebrate the values embedded in Dalhousie University's rich history, both long past and more recent.

And of course, we want to hear from you. You'll see your insights on our new "You said" page, and notice that we're highlighting opportunities to connect with the Dalhousie team via social media throughout the magazine. We're also happy to hear from you via email (editor@dal.ca) or good old Canada Post (Editor, Dalhousie Magazine, Communications and Marketing, Dalhousie University, Halifax, NS, B3H 4R2). Let us know what you think!



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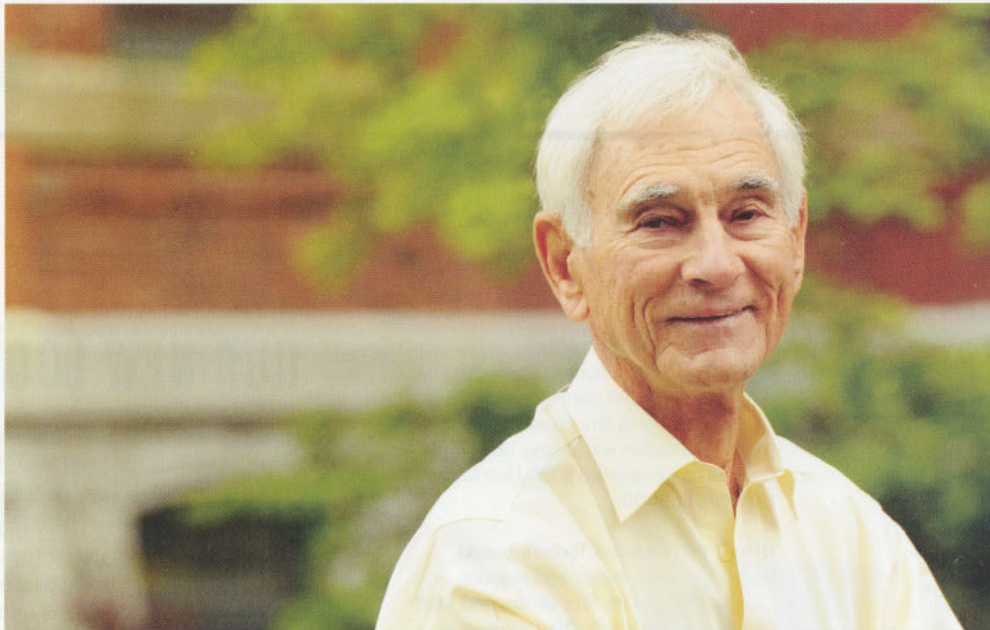
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“Remembering Dentistry in my will is a great way to give back to Dalhousie. For me, it’s an opportunity to leave a legacy to the school that provided the foundation for a rewarding career and to enable future generations to become part of the alumni family.”

– Dr. Frank Lovely, DDS’59

A proud Dalhousian – a meaningful legacy.

Frank Lovely is one of a growing number of our alumni who have a special role in shaping the past, present and future of Dalhousie University. In a very real way, his decision to include a bequest for Dentistry allows him to continue a meaningful, personal legacy.

Whatever your passion – be it funding a scholarship for a deserving student, giving to university outreach programs, or supporting research in a discipline that’s meaningful for you – we can help you realize it.

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



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PG 4



PG 5



PG 8

Top researchers, celebrated Dal scientists and a new Ocean Sciences Building: there's plenty of good news to highlight this issue. Plus read about boosted funding for heart and stroke research, Dal's Wave Glider and new approaches to teaching and learning.



SMART WORDS

“WE KNOW MORE ABOUT THE SURFACE OF THE MOON THAN THE DEPTHS OF THE OCEAN.”

Marine Biology student Stephanie Davis on why Dal's new undergraduate degree in Ocean Sciences—a Canadian first—is needed to equip students to explore the world's most mysterious depths



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DAL NEWS

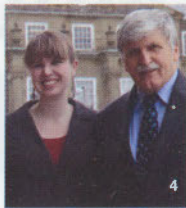
THE LIST

Scholars take home honours

Some of Dal's top thinkers have been recognized recently for research excellence, including:

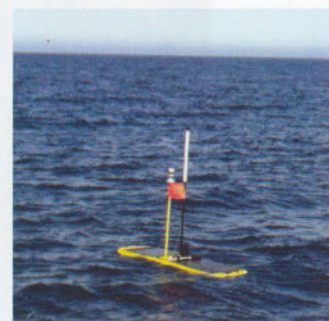
1. Dave Morgan, PhD candidate in political science, recipient of a Trudeau Doctoral Scholarship, one of the most prestigious scholarships of its kind, presented to only 15 students each year across Canada. Morgan's research focus is on international and local understandings of civilian protection, aimed at identifying strategies that work at both levels.

2. Doug Wallace, the Canada Excellence Research Chair in Ocean Sciences and Technology. Dr. Wallace was awarded nearly \$800,000 from the Canada Foundation for Innovation (CFI) to support equipment for his new laboratory, which will include five innovative "plug and play" container labs that can move easily from ship to shore. In total, Dalhousie



was awarded \$2.4 million for 12 projects in five faculties, including six researchers in the Faculty of Agriculture. These included projects focusing on biomass production, insect management, marine bioproducts and more.

3. & 4. Viviana Montoya, a master's student in International Development Studies, and Emily Zinck, a student in the Interdisciplinary PhD program, first-ever recipients of the Romeo Dallaire Child Soldier Scholarship. Montoya's research focuses on how her home country of Colombia might successfully reintegrate girl soldiers into society, while Zinck's work focuses on evaluating rehabilitation programs for children in a post-conflict area of Sierra Leone. "My research is an extension of my convictions and my desire to see change," says Zinck. "Obviously I don't believe my dissertation will solve all the problems, but it's part of the solution, and this is a part I can play." —Kat Manhire, Ryan McNutt, Katelynn Northam



RESEARCH

DALHOUSIE'S NEWEST WAVE GLIDER

(above) is on her maiden mission for the Ocean Tracking Network (OTN). A key tool of the Dalhousie-hosted OTN, Wave Gliders are unmanned marine vehicles built with the support of partner Liquid Robotics. Their durability and use of solar and wave energy means that, once deployed in the ocean, they can stay in the water for months, even years. Launched on May 16, the David Lilienfeld Wave Glider (named in memory of a champion bodyboarder killed by a shark off the coast of South Africa) has been performing range tests in the Cabot Strait and will be spending time off the coast of Sable Island. There, it was hoped that the glider would encounter Lydia, a 2,000-pound great white shark OTN has been tracking. Lydia changed course—but there will still be plenty of species for the glider to track around Sable Island, including acoustically tagged seals, blue sharks and other fishes. —Lindsay Algee and Ryan McNutt

JUST THE FACTS

Dal among leaders in heart and stroke research

In medical research, it can take up to 10 years for new potential therapies to become viable clinical treatments. That's why a new funding initiative by the Heart and Stroke Foundation called the Research Leadership Circle provides a 10-year, \$300 million funding commitment to Canada's top institutions and researchers—the largest funding commitment in the Foundation's history. The partnership includes

18 of Canada's top research institutes, and Dalhousie Medical School is the only one from Atlantic Canada. The foundation's goal is to reduce Canadians' rate of death from heart disease and stroke by 25 per cent by 2020. "Dalhousie's inclusion in the Foundation's Research Leadership Circle is recognition of the impact that Dalhousie research will have on the health and well-being of Canada's population," says Dr. Gerry Johnston, associate dean of research at Dalhousie Medical School. "This initiative can only enhance our capacity to make a difference in the health of our communities." —Cory Burris

WHY WE DO IT

OCEAN SCIENCE POWER COUPLE

NAMES: Dr. Heike Lotze and Dr. Boris Worm, winners of 2013 Peter Benchley Ocean Award for Excellence in Science

AREA OF STUDY: Ocean life, Department of Biology

WHAT'S THE POINT? For 17 years, the husband and wife duo have worked in partnership to further our understanding of the world's life-supporting ocean systems. "Boris comes more so from basic experimental ecology and I'm interested in applied research," explains Dr. Lotze. Says Dr. Worm, "Taken together, we both tend to look for big patterns, then identify problems and solutions. It's like piecing together a grand puzzle."

RESEARCH HIGHLIGHTS: Dr. Lotze's work in marine historical ecology as part of the Census of Marine Life, where her multidisciplinary team's research provided a detailed historical baseline and quantitative targets for ecosystem-based management and marine conservation; and Dr. Worm's "Rebuilding Global Fisheries" paper that analyzed trends from a global fisheries and conservation perspective, outlining strategies to achieve sustainable fisheries by combining diverse management actions, including catch restrictions, gear modification and closed areas.

WHY THEY DO IT: Growing up on a farm near the ocean, Dr. Lotze was interested in life on land but hungered to discover what lay beneath the waves. Dr. Worm's galvanizing moment came during a volunteer work term with the Sierra Club of Canada. He saw orcas cutting through the water and was immediately hooked on the ocean. "I wanted to know how people influenced marine life," Dr. Worm explains. And why is it important to protect our coasts and ocean? Dr. Worm responds without missing a beat. "Because the ocean is our life support system." —Regis Dudley



Top: Drs. Worm and Lotze after accepting their 2013 Peter Benchley Ocean Award for Excellence in Science. Centre: The Worm Lab includes students and postdoctoral fellows engaged in the study of marine biodiversity, its causes, consequences of change and conservation. Field research, as shown here, is key. Bottom: Dal's Life Sciences Centre is home to the Lotze and Worm Labs.

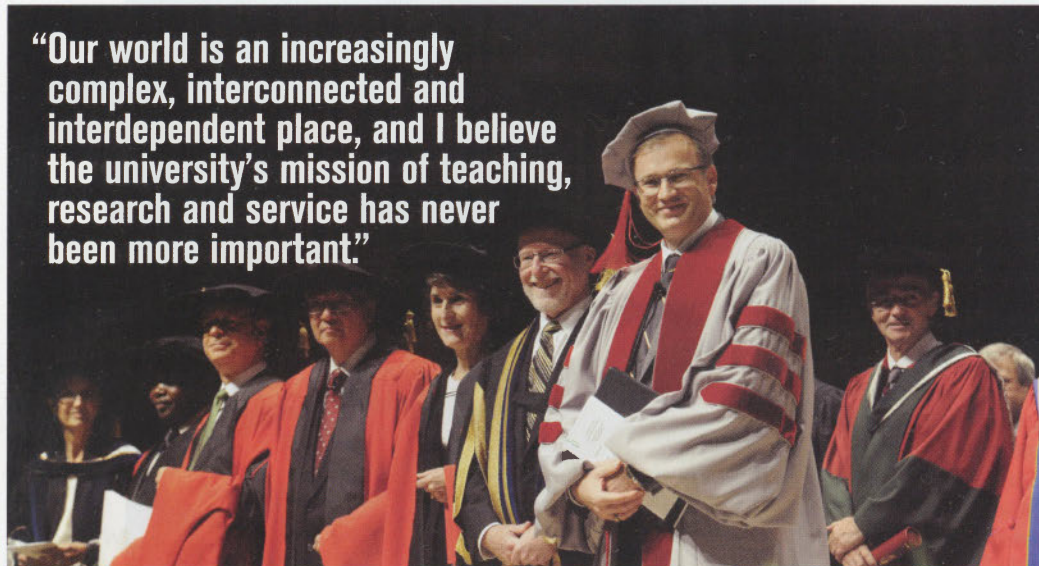


TOP: JEFFREY DUBINSKY; MIDDLE: COURTESY WORM LAB

DAL NEWS

EVENTS

"Our world is an increasingly complex, interconnected and interdependent place, and I believe the university's mission of teaching, research and service has never been more important."



Dr. Richard Florizone at his Installation on October 4, 2013

COMMUNITY CONNECTION

Operation dean drop

"It actually seemed higher than it was, so that was good," said Dean of Dentistry Tom Boran after he joined 60 participants in rappelling down Halifax's Fenwick Towers in June to raise money for Make-A-Wish Foundation. The annual "Rope for Hope" event supports the Foundation's efforts to grant wishes to children facing life-threatening medical conditions. Thirty-two storeys in the air, about to begin his rappel back to solid ground, Dr. Boran couldn't have looked calmer. But Mother Nature didn't make the descent down the tallest residential structure east of Montreal easy, with some impressive winds. Dr. Boran raised more than \$3,600 through his efforts. "I have grandchildren and thank goodness they are healthy, but just to see how blessed I am, knowing there is a way for me to give back to the community to make a wish come true for a child, is amazing." —Jessica Chisholm

Dean of Dentistry Tom Boran (top right) prepares to rappel down Halifax's Fenwick Towers, one of 60 participants raising money for the Make-A-Wish Foundation.



#

BY THE NUMBERS

Dal's 2013 grads join the alumni ranks

19

Spring and fall convocation ceremonies, in Halifax and Truro

4,200

Number of graduates—and new alumni

55+

Number of countries from which 2013 graduates originated

164

Number of countries in which Dal alumni live

115,000+

Number of Dal alumni worldwide

China, United States, India

The top three countries of origin, excluding Canada, of spring 2013 graduates

United States, United Kingdom, Malaysia

The top three countries of residence, excluding Canada, of all Dal alumni

INNOVATOR

SEAN MYLES: CANADA RESEARCH CHAIR IN AGRICULTURE GENETIC DIVERSITY, FACULTY OF AGRICULTURE

INNOVATION: Marker-assisted breeding, which dramatically reduces the cost and time involved in producing new varieties of fruits such as apples and grapes.

FOUNDATION: Genetic mapping: identifying links between a plant's genome (its hereditary information, encoded in DNA) and desired traits such as resistance to pests and diseases.

INSPIRATION: Dr. Myles actually started his career researching human genetics. He switched to plants after touring European wineries with his future wife (who's a winemaker) and noting huge opportunities for genetic sequencing in agriculture.

IN HIS WORDS: "When you talk to farmers, they're keen to adopt new varieties that would involve less input (pesticides, etc.) but they're turned off on breeding because it's so slow and expensive. But marker-assisted breeding isn't just two or three times more efficient; we're talking about a process that's more like 1,000 times more efficient. The odds of finding what you're looking for get astronomically higher."

WHY IT MATTERS: No genetically modified food here: Dr. Myles's work simply takes much of the trial-and-error work out of breeding. Normally, breeders who cross two varieties of apples or grapes together to produce a new one have to plant an orchard (\$25,000 an acre or more) and wait three to five years to see if the crops produce the desired traits. By mapping traits like flowering time, acidity and tree architecture to the fruit's genome, Dr. Myles's team can identify those traits as early as the seedling stage, selecting only the best crops to grow to fruition. —Ryan McNutt



"Pathogens continue to evolve and if our crops don't, that's a huge problem. Ramping up the arms race in agro-chemical weaponry isn't the answer; easier, more efficient breeding could be."

DAL NEWS

NOTES

Supporting new approaches in teaching and learning

To "innovate" doesn't just mean "to change"—it means changing in ways that work.

The Academic Innovation program of the VP Academic Office ("DALVision"), recently awarded its first set of grants to projects designed to implement and evaluate new methods in course delivery, curriculum design and management, and other elements of the academic experience.

Projects were evaluated based on their impact on incoming students, on student retention, on careful experimentation with a variety of pedagogical models and on their potential to offer useful learning across the university, says Fiona Black, director of academic planning.

The projects include new first-year seminars in the Faculty of Arts and Social Sciences, an Interdisciplinary Minor in Aboriginal Studies and the introduction of online elements for first-year classes in areas like Psychology and the Health Professions.

In total, 14 projects

were funded out of 36 applications. The successful projects span six faculties and were awarded an average grant of just over \$14,000. Each grant may be expended over three years. —Ryan McNutt

Big Data Institute comes to Dal

A big job doesn't scare computer science professor and Canada Research Chair in Visual Text Analytics Stan Matwin away.

Dr. Matwin studies big data, which is a term used to describe very large sets of data points that need to be processed quickly. Industries and services across many sectors collect data every day: retailers collect data on what items were purchased at the checkout; scientists collect data on ocean temperatures from sensors all over the globe; even police are collecting time and location data on calls they receive.

That's a lot of data. So, how can it be used to its full potential?

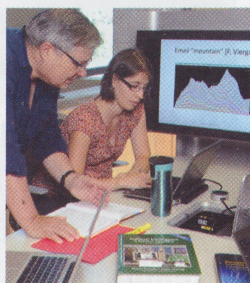
Enter the Institute for Big Data Analytics. It's the first academic research institute in Canada committed to expanding knowledge and expertise

in big data. Dr. Matwin is the institute's director.

"The institute will help people and companies who have questions their data can answer, but they're not sure how to find those answers," explains Dr. Matwin. "The key is to find ways that can uncover hidden patterns and intelligence so they can turn their data into something that makes sense and not only address challenges but identify opportunities."

With a background in developing systems and algorithms that uncover those patterns in data, Dr. Matwin is ready to lead a team of researchers to find even more answers.

"Students will be working on cutting-edge big data research, but they'll also have a unique opportunity to work on industry-relevant problems. They may even make connections that can help them land



Computer science professor Dr. Stan Matwin works with a student on a data analytics question.

internships," says Dr. Matwin.

The Institute for Big Data Analytics was officially launched in July. The province of Nova Scotia has given the Institute \$50,000 for outreach to local start-ups and small- and medium-sized companies. —Nikki Comeau

Ocean Sciences Building opens its doors

It's no surprise that Dal makes waves in oceans research. The university hosts several global research networks, is home to more than 100 faculty who conduct oceans research and has produced some of the most renowned oceans scholarship in the world. Now the university has a dedicated space for those various currents to not only meet, but to grow even stronger and more powerful together.

The Dalhousie Ocean Sciences Building, located on the west side of Studley Campus facing Oxford Street, is a four-storey, 76,000-square-foot facility that will host offices and labs for several of Dal's key oceans projects. The building's opening was celebrated in June in its bright, three-



Jim Hanlon (CEO, Halifax Marine Research Institute), Sara Iverson (scientific director, Ocean Tracking Network) and Doug Wallace (CERC in Ocean Science and Technology) raise the sail to mark the opening of the new Ocean Sciences Building.

storey atrium.

Martha Crago, Dalhousie vice-president research, said the building represents "a powerful collection of world-leading experts, together in a collaborative space, working on global solutions that transcend disciplinary boundaries and address the challenges facing our life-sustaining oceans."

Then-Dal president Dr. Tom Traves summed up the building's importance this way. "The Dalhousie Ocean Sciences building will act as a catalyst that will enhance our position as a world leader in ocean innovation. And that is why this is an important day for Dalhousie, for our province and for our country." —Ryan McNutt

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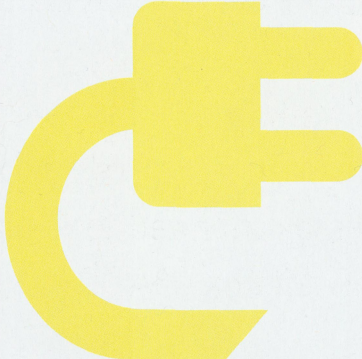
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DIDN'T SOMEONE KILL THE [ELECTRIC] CAR?

 These days, electric vehicles (EVs) are getting a boost, due to recent technological improvements and gradual consumer acceptance. But what will manufacturers, car buyers and policy makers need to consider as the electric car gets into gear? By Jane Affleck (BA'00)



"SOON, [BATTERIES WILL] BE AN ESSENTIAL PART OF TRANSPORTATION," SAYS JEFF DAHN. "WE'RE TRYING TO MAKE THEM LAST 30 YEARS AND TO FIND CHEAPER MATERIALS." WHEN THAT HAPPENS, BATTERIES WILL OUTLAST CARS.



**A CRASH
COURSE ON
DAL'S
AUTO-RELATED
SCIENCE**

1 BATTERIES

For electric vehicles, or EVs, batteries are a source of power—and frustration, given their charging time and expense. Lukas Swan in the Department of Mechanical Engineering and Jeff Dahn in the Department of Physics and Atmospheric Science both hope to mitigate the vexation. Swan, principal investigator of Dal's Renewable Energy Storage Laboratory, is looking at renewable energy options, including EV battery second life—using them “to support the electricity grid.” Dahn is aiming to increase the lifetime of rechargeable lithium-ion batteries, now used in cell phones, laptops and EVs. “Soon, [batteries will] be an essential part of transportation,” says Dahn. “We’re trying to make them last 30 years and to find cheaper materials.” When that happens, batteries will outlast cars.

2 MATERIALS

Steve Corbin in the Faculty of Engineering is developing lighter materials for the automotive and aerospace industries, to reduce fuel consumption and energy use. Steel is cheap, “so using lighter materials often involves an increased cost,” Corbin says. However, car manufacturers, keen to reduce weight, “offer part suppliers cost incentives: \$10 per kilogram of weight savings,” a move that could prompt quicker conversion to lighter materials.

3 MOTORS

Braden Murphy (MAsc'13) is the president of Atlantic Motor Labs, a start-up developing high-performance pneumatic and hydraulic motors. While a pneumatic-gasoline hybrid car would “require more components than a gasoline-only vehicle,” such hybrids would be “particularly attractive,” he says, because they'd eliminate EVs' large batteries and electric motors, and reduce the overall environmental impact of vehicles.

CAR SMARTS

CHANGING ATTITUDES

“North America has embraced a car culture for decades,” says Dr. Ahsan Habib, of the Dalhousie University Transportation Collaboratory (DalTRAC). “Changing attitude and behaviour is a slow and difficult process.” But government policy shifts—offering consumer incentives to make EVs viable, and adopting standards and permit procedures to encourage new infrastructure such as charging stations—

could make a difference, he says. Still, personal attitude shifts may be just as important, says Jill Grant of the School of Planning. As urban living gains popularity, more people may forgo car ownership, she says. However, unless car ownership becomes “unfashionable,” those who can afford cars will likely continue to buy them.

HISTORY REPEATING ITSELF?

Todd McCallum of the Department of Histo-

ry teaches “The Political Economy of the Car: Fordism and Post-Fordism in International Perspective.” In the last 20 to 30 years, “we’ve seen an explosion of movies portraying life without oil or as a scarce commodity. Are we collectively wondering if some disaster will take care of the problem for us?” McCallum asks. But he adds it’s likely that in another 40 years, “people won’t be able to imagine life without EVs.”

STEVE CORBIN IN THE FACULTY OF ENGINEERING IS DEVELOPING LIGHTER MATERIALS FOR THE AUTOMOTIVE AND AEROSPACE INDUSTRIES, TO REDUCE FUEL CONSUMPTION AND ENERGY USE.



AARON MCKENZIE FRASER

DAL FALL 2013

Justice seeker Michelle Awad (BCOMM'88)

J WHAT DOES Justice LOOK LIKE IN THE 21ST CENTURY?

Should we be tougher on crime? Smarter about root causes? Grant rights to other species? We asked Dean of Law Kim Brooks and Dal alumni and thinkers to weigh in on fairness in the 21st century.

They don't all agree.
And you may not either.

BY KIM BROOKS, LISA ROBERTS (BA'95, MDE'03) AND DIANE PETERS
WITH RESEARCH FROM MATT SEMANSKY



1 THE ESSAY

BY DEAN KIM BROOKS

As a tax lawyer and a scholar, I get asked a lot of questions. Can I deduct the cost of my home computer from my employment income? (No.) Why did you choose tax law as the focus of your scholarly work? (Because it touches every aspect of our lives.) But until now, no-one has ever asked me to tackle the question of what justice might mean in the 21st century.

It's a big question. And yet, relating it back to tax law might offer us a way to find a finger-hold on an otherwise slippery surface.

Questions of justice can be broadly conceptualized to involve issues that invoke material or redistributive conceptions of justice (who should get what?), those that concern procedural conceptions of justice (has everyone been treated fairly?), and those that concern corrective conceptions of justice (how should a wrong be righted?).

The earliest thinkers on tax design asked themselves questions about tax justice focused on normative arguments for or against the imposition of taxes. Three standard justifications for the imposition of taxes emerged: to assist the government in raising revenues to support collective aspirations; to facilitate the redistribution of income; and to encourage or discourage particular types of behaviour.

But over time, new questions about tax justice have emerged, driven by the changing context of our times. We no longer think of our tax system as a distinct regulatory framework, separate from our economic and social systems. Instead, we see it as interacting with and having the potential to change other economic and social phenomena. Our lens has gotten wider and our understanding has become more complex.

This had led to the emergence of a whole new range of intriguing questions about the potential uses of the tax system beyond raising revenues or redistributing income. Given the economic crisis, could the tax system be effectively used to facilitate market recovery? Might a carbon tax help reduce environmental degradation? Is it appropriate for the government to use the tax system to encourage parents to send their children to sports or arts programs or to encourage homeowners to renovate?

How do these complex, multi-faceted questions about tax justice shed some light on the larger question of justice? They show us that justice issues can no longer be asked on a purely regional or even national level. The world has become smaller. A change made in Canada has repercussions in other jurisdictions—and vice versa.

At the same time, our tools for achieving justice have proliferated. In

the legal context, we have formal and informal dispute resolution processes, restorative justice approaches, public inquiries, specialized tribunals and courts, and traditional court processes. But justice has also become more expensive. Increasing concerns about procedural justice have raised the cost of pursuing material justice. Laws have become more elaborate and complex. Lawyers' fees can present an insurmountable barrier.

As we consider the growing complexity of our understanding of justice—and its implications for the education of Dalhousie's next generation of lawyers—we do so in a faculty and a university that has always considered both the practical and theoretical underpinnings of justice. Dal's legal aid clinic, which serves low-income clients, was Canada's first, and has recently been expanded to include a criminal law clinic. Our Indigenous Black and Mi'kmaq Initiative was established in 1989 to reduce structural and systemic discrimination by increasing the representation of these groups in the legal profession. Our faculty members have produced a steady stream of scholarship that advances our understanding of the law, as well as working directly with organizations and institutions to improve the law. And we have taken steps to encourage students to give back to the community—we have the third largest pro bono students program in the country even though we are a mid-sized law school—while also working to make our law school more accessible through a series of public law lectures.

If justice is to be achieved in the 21st century, or more realistically, if we are to continue to reduce the injustices in the world, it will undoubtedly be due in large part to improvements in the law and in the way the law is practised. The Dalhousie alumni profiled on these pages and those who have answered the question "What does justice mean in the 21st century?" show how justice seekers might be found in many places after graduating, doing very different types of work. But they share a common foundation: as Dean Weldon, Dalhousie's first Dean of Law, said at the opening of the law school in 1883, "We all have political duties, some higher, some humbler, and these duties will be best performed by those who have given them the most thought."

It may be impossible to answer the question of what justice will mean in this century. But posing the question, considering it from many angles (even tax law!) and focusing our thoughts deeply and seriously on its implications, is our best hope for inspiring just deeds.

As Dean Weldon, Dalhousie's first Dean of Law, said at the opening of the law school in 1883, "We all have political duties, some higher, some humbler, and these duties will be best performed by those who have given them the most thought."

2 THE PROFILES

"In the areas of immigration and refugee law in Canada, justice in the 21st century must include access: access to the land of Canada itself and access to legal counsel, medical assistance, fair hearings and more. Increasingly, despite appearances, Canada admits immigrants and refugees on the basis of Canadian national interests as defined by a minority of political interests. The interests of justice are all too often lost in this process."

The Immigration Advocate

ZOOL SULEMAN (LLB'89)

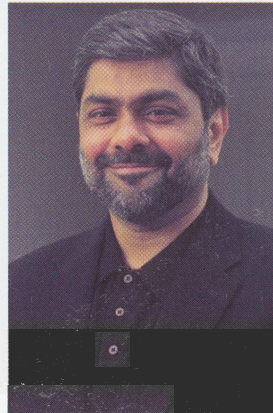
Last spring, Canadian Border Service agents arrested eight migrant workers at a Vancouver construction site. The raid was filmed by a reality TV crew and aired on the National Geographic channel. Hired by those arrested, lawyer Zool Suleman fired back via the media: "My clients are not here for the entertainment of other people." Bolstered by the support of Amnesty International, Suleman, 50, demanded an apology from the producers of the show, the Canadian Border Service Agency and Public Safety Minister Vic Toews, who approved the raid.

While on a day-to-day basis Suleman works on standard refugee status claims, immigration cases and visas and work permits for individual and corporate clients, he's also known for taking on complex cases where immigration laws and human rights collide. "My clients want the law to act fairly towards them. I am the one to make sure the power balance is righted."

Suleman came to Vancouver with his family from Uganda in 1972 as a refugee. Interested in arts administration as an undergrad, he headed to Dal planning to work as an entertainment lawyer. He even spent his first year after finishing his law courses running the Vancouver Fringe Festival.

Then he clerked with the Federal Court of Canada's appeals division and saw hundreds of refugee cases. "There was a deep resonance there." He articulated with large firm McCarthy Tétrault LLP but left as soon as he passed the bar to set up his own entertainment and immigration practice. The entertainment work proved unsatisfying as he struggled to get basic contractual benefits for artists. Meanwhile, immigration work offered a steady stream of straightforward files and the occasional high profile project such as an advocacy campaign to halt racial profiling post-9/11 and a 2008 fight to prevent a disabled Sikh man from being deported to India.

While Suleman's firm grew to a team of three lawyers and two articling students at one point, he's currently running his office as a sole practitioner. His message to whoever needs to hear it? That those born elsewhere have rights too. —Diane Peters



“While the issue of providing true access to justice for those in need of legal services will continue to plague the justice system, the challenge for legal education is to prepare our graduates for an ever-changing profession. This will mean preparing our students for the development of leadership qualities, project management skills, the ability to innovate and the like—all within a culture of ethical lawyering and professionalism.”

The Ethics Teacher

BRUCE ELMAN (LLB'74)



Graham Murray. Innis Christie. Bill Charles. These are just some of the law professors Bruce Elman credits for his own career in academia. “I had terrific professors at Dal,” he says. “They left a lasting impression on me: the idea of teaching, concern for students and public service.”

With the inspiration of these mentors behind him, Elman, 64, has built a nearly 40-year career in academic life that has seen him become a thought leader in cutting edge issues related to human rights and professional ethics. Yet he sees himself as no more than a teacher trying to support the next generation of lawyers.

The native of Sydney, N.S., did his LLM at Harvard after law school (he credits his acceptance to his well-respected and connected Dal profs) and then took a teaching job at the University of Alberta. When the Constitution was repatriated in 1982, Elman stepped up to help teach extra classes on the Canadian Charter of Rights and Freedoms. That led to an in-demand expertise on freedom of expression Charter challenges, particularly on the validity of the exclusion of hate propaganda. Elman wrote extensively on the trial of Alberta schoolteacher James Keegstra for teaching anti-Semitism and the various legal battles of Holocaust denier Ernst Zundel.

In 2000, he moved to the University of Windsor Faculty of Law to serve as dean and found that students, administrative duties and community work took him away from academic research—until a new area of expertise naturally emerged. “In my deanship I spent a lot of time with people in the profession,” he says. “When you do that, you start looking at issues in the profession. And one of the big ones is ethics.” He began advocating for law schools to better teach ethics and encourage community service.

Elman’s understanding of the profession and the law led to a one-year appointment with the Centre for the Legal Profession at the University of Toronto, his current position as chair of the Law Commission of Ontario and his ongoing job of Integrity Commissioner for the City of Windsor.

Now, Elman has stepped down from the deanship and is returning to teaching. Despite his high profile resume, he refuses to see himself as an innovator on fairness, philanthropy and professional transparency. “I honestly never planned these things. I just wanted to give back to the community and the legal profession.” —Diane Peters

“Justice in the 21st century requires more than convictions and punishment. It is not to be found in our separation from one another but in the quality of our relationships with one another. Justice demands investment in institutions, systems and opportunities that respond to injustice by fostering, protecting and sustaining just relationships. Securing just relationships with one another is fundamental to our safety and well-being and to justice for the 21st century.”

The Relationship Restorer

PROFESSOR JENNIFER LLEWELLYN

For Dalhousie law professor Jennifer Llewellyn, justice isn't about revenge. “We need to address the harm—but in view of building a different future, not to even the score.”

Her approach to justice focuses not on the individuals but on the dynamics between them. Racism, oppression, discrimination, equality—these are all relationships, says Llewellyn, age 40, who studied relational theory during a MA in philosophy before heading to law school. “It’s a way of analyzing how we hurt each other and how we can flourish.”

Llewellyn has used this lens to help make Nova Scotia a leader in restorative justice—where an offender is held accountable by his or her victims and the community, with the goal of healing broken relationships. In a program she helped develop, Crown attorneys, police officers and judges can refer young offenders in Nova Scotia to the restorative justice system where, for instance, they hear directly from people harmed by their actions and then have a chance to make things right—by compensating the victims or performing community service—rather than be sentenced to standard jail or probation terms. Two pilot programs are now working with adults.

“I very much came to law in pursuit of justice,” says Llewellyn, who participated in boycotts and anti-apartheid protests as a child of activist parents. After her first year of law school she worked in the research department of the South African Truth and Reconciliation Commission.

“My entry point (to restorative justice) was in helping societies think about how to respond to historical and mass violence and conflict,” says Llewellyn, who now advises the United Nations Peace Building Commission. From there, she’s moved to applying the same principle—the idea that justice’s end goal is to build societies where people can thrive—in many different contexts. Recently, she helped Nova Scotia schools introduce restorative practices to their students. “Some schools started this as a way of dealing with discipline issues. But for the most part it’s been implemented as an approach to thinking about what we need from one another to be a community of learning.”

She spells that out. “I actually need you to care about me, to have concern for who I am and what I need and to fashion a society where we’re able to care for one another.”

It sounds simple, but at a time when the mantra “tough on crime” echoes behind many conversations about justice, focusing on relationships seems almost revolutionary.

But another approach is worth exploring, she says, since longer jail terms and minimum mandatory sentences haven’t succeeded in making us feel safer. “You still feel unsafe, because the only thing keeping you safe is that we’re keeping the bad guys at bay.” —Lisa Roberts



“Justice means the same thing in the 21st century as it has meant in past centuries: the fair and proper application of laws. The key challenge is the dispensing of justice in Canada in the 21st century. We must have a credible public system: one that is reliable and accessible to all participants in our economy and society. The certainty that timely and effective remedies can be secured from our courts will preserve and enhance justice for all.”

The Bully Fighter

MICHELLE AWAD (BCOMM'88)

“I was on the side of the angels,” says Michelle Awad (BComm '88), referring to the defamation case that brought her to the Supreme Court of Canada and into the media spotlight.

Awad, 46, is a civil litigator with McInnes Cooper who's been recognized many times as one of the best in Atlantic Canada. Her usual remit is to advocate for one business in dispute with another. “[In those cases] probably neither one is angelic in all respects,” says Awad, who did her last year of law school at Dalhousie, though she graduated from the University of Toronto.

But it was Awad's sideline—defamation—that took her to the Supreme Court of Canada. The case involved a 15-year-old girl, known as A.B. In the case, Awad argued that A.B. should be able to remain anonymous—including through imposition of a publication ban—as she pursued a suit against cyberbullies who created a Facebook account with her photo and slightly modified name and then posted derogatory and sexually explicit comments.

“She was young—the same age as my own daughter,” says Awad.

Both the trial and appeals division of the Nova Scotia Supreme Court denied the application and ordered Awad's client to pay costs to the media fighting the ban.

Her reaction?

“You always want to win,” says Awad, who then worked with colleague Jane O'Neill pro bono to appeal to the Supreme Court of Canada. There—before seven justices and with support from interveners including the Canadian Unicef Committee and Kids Help Phone—A.B. was granted the right to remain anonymous. The story led national newscasts, something neither the client nor Awad ever anticipated.

Awad says she's content to be back on her regular beat with her corporate clients. “Every time I get a new file, it's like getting a new job. And I have the luxury of becoming involved at the highest levels, dealing with the decision makers from the business that I'm representing.”

Still, the A.B. case stands out as a highlight in her still-early career. “I'm thrilled to have had some influence on the Supreme Court of Canada saying, ‘Children in society are a vulnerable group.’” —Lisa Roberts



3 THE QUOTES

NAIOMI METALLIC (BA'02, LLB'05), BURCHELLS LLP

In my view, for Aboriginal peoples in Canada, justice in the 21st century continues to mean substantive (and not formal) equality, recognition and accommodation of indigenous difference (language, culture, worldview, laws, etc.), a fair chance to participate in the Canadian economy and increased recognition of our peoples' right of self-determination, in addition to fostering better collaboration with other governments and third parties (instead of the unilateral imposition of solutions, laws and policies on our peoples).

MEINHARD DOELLE (BSc'86), DALHOUSIE LAW PROFESSOR

Justice is about ensuring that our laws, policies and their implementation are in line with our collective sense of fairness, both procedurally and substantively. To me, justice means being sensitive to the values, needs and rights of others. Our sense of justice evolves along with our sensibilities to others. Over time, our society has become more sensitive to a greater diversity of members of society and this process is ongoing. It is my hope that the next "justice evolution" will include an increased sensitivity to the needs of future generations and to other species.

KIM PATE (LLB'84), EXECUTIVE DIRECTOR, CANADIAN ASSOCIATION OF ELIZABETH FRY SOCIETIES

I hope that in the 21st century, justice means we will all enjoy individual and collective commitment to equality and fairness; namely, that every child, woman and man will experience freedom from want. If we all treat each other in the manner in which we would like to be treated, it will be hard to imagine that any of us would experience injustice.

PAMELA PALMETER (LLD'09), ACADEMIC DIRECTOR OF THE CENTRE FOR INDIGENOUS GOVERNANCE AT RYERSON UNIVERSITY

Laws have developed over the centuries to help regulate social relations between individuals and collectives. Justice is about balancing those legal rights and obligations in an effort to achieve fair results. While laws have evolved over time to adapt to changing circumstances and values, our justice system has lost sight of the social impact of the law. In the 21st century, we need to reinvigorate social justice systems which restore the fairness in all aspects of its administration and impact on people.

RAYMOND WAGNER, Q.C., (LLB'79), WAGNERS

Collective civil actions emerge as a prominent feature of the 21st century legal landscape. Topographically, class actions have risen to become the zenith of mountains. Individuals who fight large corporations and neglectful government in groups have a greater opportunity to achieve access to justice (the cost of litigation continues to increase), to conserve precious judicial resources (size of budgets for the administration of justice are diminishing) and to punish bad behaviour from the powerful (otherwise held unassailable due to the costs to litigate.)

CLAIRE MCNEILL DALHOUSIE LEGAL AID SERVICE

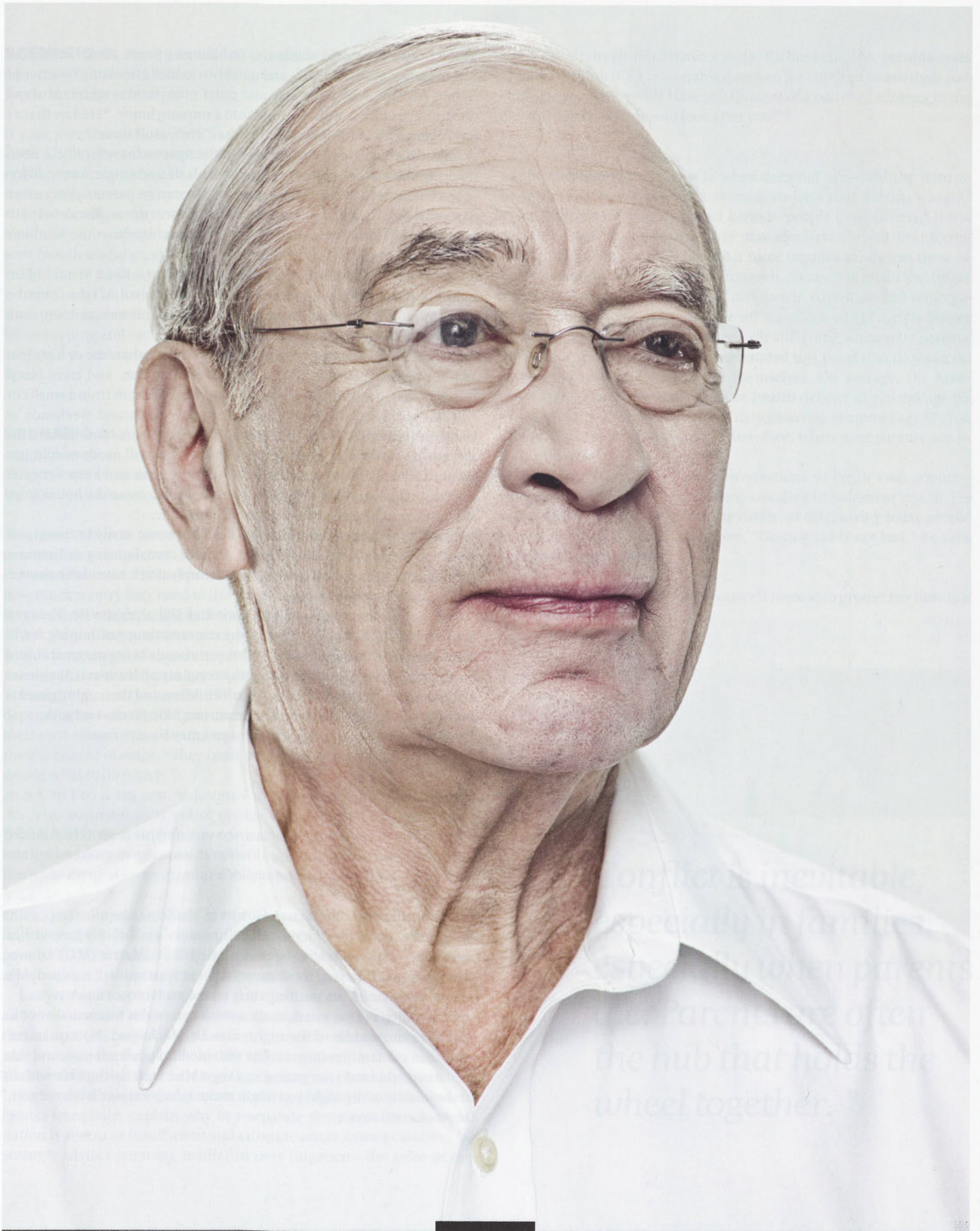
Justice for whom, for what? That is the practical question that continues to face us. Wealth and power go hand in hand. Inequality—between those with money and the poor, between the old and the young and generations yet to be born, between individuals and institutions, between the global North and South—is incompatible with justice. "Freedom" is illusory in the absence of the right to a healthy environment, food, clean water, accessible housing and adequate income for all.

THE END

“We need to talk”

For older adults and their middle-aged children, conversations about health care, housing, finances and other issues related to aging can be tough to have. Even tougher: not having those conversations early enough

By Alison DeLory



PLAINPICTURE/IMAGE SOURCE

When her mother died suddenly, Dal alumna Sarah Ross* of Halifax had to come up with a plan—and quickly—to look after her 87-year-old father. An otherwise agreeable and quiet man, he was adamant about one thing: he didn't want to move into a nursing home. "He saw that as having one foot in the grave," says Ross. "He wasn't there."

Ross's dad insisted he could stay in the apartment where he'd been living with his wife of 56 years. Ross, who's 41 and single, knew differently. She'd already been visiting her octogenarian parents every other day and doing their errands since neither of them drove. She decided to move her dad into her home. The problem was, she knew he wouldn't come if he thought he was a burden.

"I needed him to believe he was helping me," says Ross. She told him he could pay rent to help cover her mortgage. "I had to take it on the chin at my mom's funeral. My dad was telling people he was doing me a favour by moving in with me."

Ross has since learned her dad's health is worse than she or her eight siblings realized. He has 20 per cent kidney function, and takes blood thinners that make him dizzy. He risks bleeding to death from a small cut.

Ross works full-time but now spends evenings and weekends at home with her dad. There have been difficult conversations around his limitations, Ross says. He requires a special diet and needs encouragement to take his medications, maintain his hygiene and keep a regular sleeping schedule. They negotiate whether he can leave the house to go to church or if he must climb stairs with his cane.

Closing the communications gap does not come easily to many people with elderly parents. Whether it's health care, housing or finances, according to the experts many families simply don't have these conversations early or often enough.

Says geriatrician, medical professor and Dal alumnus Dr. Kenneth Rockwood (PGM'91), "Not having the conversation, just hoping it will work out, is not the way to do it." He recommends being pragmatic, and predicating these conversations on the certainty of death and likelihood of a preceding period of illness. "Adult children and their aging parents are both responsible for these conversations," Dr. Rockwood says.

Here are several possible scenarios you may have to face.

SCENARIO 1: *While living in Vancouver, you get a call at 3 a.m. from a Halifax hospital. Your elderly father is in intensive care, comatose. His doctor recommends disconnecting his ventilator. You are confused and overwhelmed and without knowing his wishes tell the doctor no—keep him alive, whatever it takes.*

According to Dean Tom Marrie, Faculty of Medicine, the most important thing is that children understand their parents' end-of-life care wishes. "Ask them: 'Do you want to be resuscitated?'" Dr. Marrie (MD'70) says. He recommends having this conversation at least annually, as people's wishes can change, and writing their stated preferences down.

Generally it is best to ask these questions at calm moments—not in the ER in the middle of the night, says Dr. Rockwood. He says uncertainty can put families into conflict with medical professionals, and this scenario could land your parent in a vegetative state against his wishes. "In the middle of the night you might make a decision you'll later regret," Dr. Rockwood says.

SCENARIO 2: *You try to initiate a conversation with your mother about your father's obvious memory loss. She tells you everything is fine and changes the topic.*

If your parent resists, be firm and lay out some forced-choice alternatives, Dr. Rockwood recommends. "For example, we can talk about it now or tomorrow, or with a doctor or clergy member. But this conversation must happen." An external person, who could also be a friend, psychiatrist or counselor, can provide support and help broker disagreements. If you're uptight, rehearse. "Make sure the words coming out of your mouth sound good to you," Dr. Rockwood says.

Dr. Marrie advises choosing your words carefully. For many seniors, "nursing home" is an unwelcome term that connotes dependency. Today, there are many levels of assisted living, from apartments that offer light housekeeping and meal preparation, to hospice-type care. He also says moving a parent in with you may be the best option, as it was for Sarah Ross.

SCENARIO 3: *You've watched your parents compare grocery flyers and clip coupons, but you don't know if this is a hobby or necessity. They mentioned losing money when their stocks nosedived in 2008, but you don't have a clear understanding of their finances.*

"You have to have a conversation around financial security with aging parents. It is so important," says Dr. Greg Hebb (MA'95), director, Rowe School of Business. He cautions there is no one formula for determining how much money they need to live comfortably and securely, today and into the future. It depends on their lifestyles and plans.

"Ask them: 'Do you want to sit on the deck or do you want to travel the world? Do you want to spend every last cent you have before you die, or do you want to leave a big nest egg for your kids?'" Dr. Hebb recommends.

It might be smart to involve a financial advisor in these conversations, depending on how capable and interested your parents are in managing their own estates. It's also important for children to remember it's not their money to manage. "They (your parents) have earned it. They get to decide what to do with it."

SCENARIO 4: *Your father predeceased your mother and now your mother has died, too. You and your siblings gather to read her will, and learn she divided her estate unequally between you.*

Often, according to Dr. Marrie, even in big families care for a parent falls disproportionately—even up to 90 per cent—onto one child, and parents want to thank that child with a larger inheritance. But fights arise because a parent appears to have preferred one child to the others.

Lawyer Augustus Richardson, a guest lecturer at Dal who also works as a mediator and arbitrator, deals with such disputes regularly. "Conflict is inevitable, especially in families, especially when parents die. Parents are often the hub that holds the wheel together. Once the hub goes, all these things that were held together by that hub start to fly apart."

Richardson advises that parents drafting a will, if distributing their estates unequally, explain why in a separate document. If this explanation is absent or insufficient and a dispute arises among children, he strongly advises pursuing mediation over litigation—the price of the

latter can drain all inheritances away. Richardson, too, recommends talking. "I think it's a reasonable question for children to ask their parents. 'Do you have a will? Have you thought of a power of attorney in the event you need someone to look after you?'"

So the question that remains is when does old age—and the need to begin having these awkward conversations with your parents—begin? Again, there is no magic number because people have different levels of frailty, says Dr. Rockwood. They may also have chronic health conditions at any time in their lives that force families to address these issues sooner. But the good news is that with advances in medicine, better environments, daily exercise and increases in education and socioeconomic status, people can now stave off the effects of old age for longer than ever before. The day, however, will still come when your parents' physical or mental health are incapacitated to a point that they can no longer make sound decisions for themselves. On average, Dr. Rockwood says, people start having more health deficits at around age 65, which in turn increases their risk of dying starting at around age 67. You should start these conversations, therefore, when your parents are in their mid-60s.

Dr. Marrie would like these conversations to begin even sooner—when a parent is 55 or 60, before any clouding of judgment sets in. He says it doesn't need to be so anxiety ridden or dire, saying today people mostly enjoy fulfilling and long lives. "Getting old is not bad," he says. "Think of the alternative."

** Name has been changed at this source's request to protect her family's privacy and father's dignity.*



Conflict is inevitable, especially in families, especially when parents die. Parents are often the hub that holds the wheel together. ”

BOLD AMBITIONS

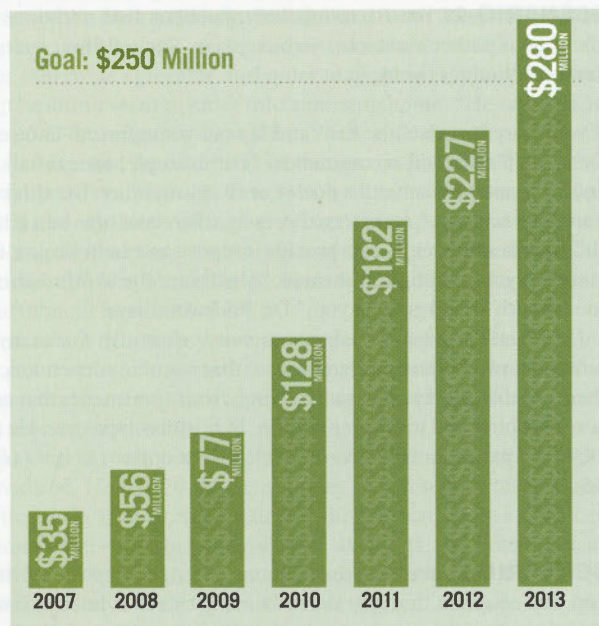
EXTRAORDINARY

CHANGE

THE CAMPAIGN FOR DALHOUSIE

DAL RAISES \$280 MILLION TO SUPPORT “EXTRAORDINARY CHANGE”

PATH TO THE CAMPAIGN GOAL



The ambition was, indeed, bold: raising \$250 million to help position Dalhousie towards its third century with more strength than ever before. Eighteen months ahead of schedule, Dalhousie has accomplished that goal—and then some.

Bold Ambitions: The Campaign for Dalhousie, the largest fundraising effort in the university's history, concluded in May, and raised a total of \$280 million. "This is a tremendous achievement that surpassed what was an incredibly ambitious goal," said then-President Tom Traves in announcing the campaign total, comprised of 20,000 donations. The funds will support new academic programming, research, student experience and campus infrastructure.

Support came from across Canada and beyond: 52 per cent of donors were from Atlantic Canada, with 43 per cent from the rest of Canada and 5 per cent were

international. Dalhousie received 56 gifts in excess of \$1 million, with 6 gifts of \$10 million or more.

"Without a doubt, the spirit of philanthropy is alive and well at Dalhousie and a solid foundation has been established for the future," said Floyd Dykeman, vice-president external, in thanking his team within External Relations who managed the campaign, as well as the more than 200 volunteers across the country.

"We get back far more than we give," said Jody Forsyth, co-founder of Annapolis Capital Limited in Calgary, campaign chair for Western Canada and a donor. "When you hear you've changed someone's life, that's a very powerful thing. The joy and fulfillment that comes from being able to do that is priceless, and I can't imagine better value for my dollar than that."

—Ryan McNutt

THE GENEROSITY OF MANY

"With the help of many, we're building a better, stronger Dalhousie and creating opportunities for our students that they will take with them as they make their mark on the world. We are thankful for the commitment of our donors." Floyd Dykeman, Vice-President, External

\$15,000,000 +

Kenneth C Rowe, CM
Seymour Schulich
Government of Canada
Province of Nova Scotia

**\$10,000,000 -
\$14,999,999**

Estate of Mona Campbell
Fred & Elizabeth Fountain

**\$5,000,000 -
\$9,999,999**

Anonymous (2)
G Wallace* &
Margaret McCain
Estate of Margaret
Phyllis St George
Heart and Stroke
Foundation of Canada

**\$1,000,000 -
\$4,999,999**

Anonymous (5)
Stewart Allen
David Bissett
& Leslie Bissett
Derek Brown
& Margaret Brown
Estate of Ian Gordon Bruce
Estate of Norman
Barrie Coward
John R Fiske
Jody W Forsyth
& Wilma Quan-Forsyth
Robert Gillespie
& Carol Gillespie
Estate of Harley G Kushel
Marjorie Lindsay
& John Lindsay*
George Loh & Rusina Loh
Douglas Mackay
Surya Master
John H McCall MacBain
Estate of Glendon
Chase McCormick
Estate of F B McCurdy
Richard Murray
& Melda Murray

Sandra Oxner
James Palmer*
& Barbara Palmer
Brian Porter & Megan Porter
Jim Spatz
Estate of Stella Weil

Academic Pediatrics Inc
Aramark Canada Limited
BMO Financial Group
GlaxoSmithKline Inc
Horizon Health Network
J.D. Irving, Limited
Scotiabank
TD Canada Trust

The John and Judy Bragg
Family Foundation
Dalhousie Medical
Research Foundation
Law Foundation
of Nova Scotia
Harrison McCain Foundation
McCain Foundation
QEII Health Sciences
Centre Foundation
RBC Foundation
The Sobey Foundation
The Donald R Sobey
Foundation
The David and Faye
Sobey Foundation

Patrick Madore Foundation
The Slight Family
Foundation
The Windsor Foundation

**\$250,000 -
\$499,999**

Anonymous (3)
Estate of Barbara
Cameron Ashfield
Harold Allen Brooks Jr
Irrevocable Trust
Estate of Douglas Coombes
Purdy Crawford
& Beatrice Crawford
Estate of
Marion H Cumming
Richard J Currie, OC
Dale M Farnham Charitable
Remainder Trust
Marjorie Fountain
Estate of Ivor Hamilton
Ian A Hill & Margaret Hill
Estate of
Russell O Hunter
Hugh Maccagno
& Patricia Maccagno
Estate of John G
MacDougall
Rod MacLennan
& Robin MacLennan
Estates of Constance
& Kenneth McKibbin
Howard A Ripley*
Estate of O E Smith

**\$500,000 -
\$999,999**

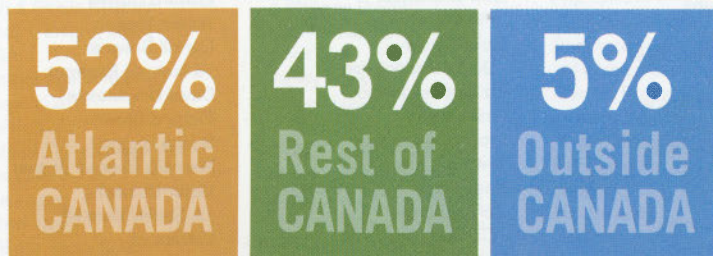
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Joan Coleman
Michael DeGroote
Estate of J H L Johnstone
Estates of Reginald
& Anne Lockward
Estate of F C Manning
David Precious, CM
& Elizabeth Precious
Estate of John
McIntyre Stoddart
Estate of
Christine Zinck

Academic Psychiatry Inc
Clearwater
Deloitte
EnCana Corporation
Business Families
Foundation
Canadian Chiropractic
Research Foundation
The MacCallum S Grant
Charitable Foundation
KPMG Foundation
T K Foundation

**\$100,000 -
\$249,999**

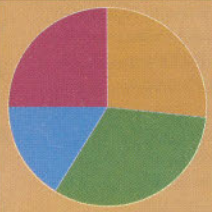
Anonymous (12)
Dr Gerald & Gale Archibald
Estate of Dr B E W Barnhill
David & Diane Bell
Bill Black & Lorraine Black
Estate of
Peter A Campbell

DONORS BY GEOGRAPHY



Bold Ambitions by Priority

Scholarships.....	\$75 million
Academic Enrichment.....	\$90 million
Program Expansion	\$45 million
Capital Projects	\$70 million
TOTAL AMOUNT RAISED	\$280 million



THE CAMPAIGN FOR DALHOUSIE

Wesley Campbell
& Diane Campbell
Estate of Dr Margaret
Elizabeth Churchill
Estate of
Gordon S Cowan
Joy M Cunningham
Romeo Dallaire
Estate of George Dimitriadis
Wadih Fares
Estate of George H Fear
Gerald Ferguson
Jane V Flax
& Michael G Flax, MD
Vince Ginley
Margaret Hagerman
Andrew Olding Hebb*
& Ruth Dingman Hebb*
Estate of Theresa
Rose Hickman
Leslie Irvine*
Leslie Jaeger*
& Kathleen Jaeger
Susan Keating-Bekkers
Garry Neill Kennedy
Estate of Emily Ruth Laing
Estate of
Herbert S Lamb
Dr Leonard, Katherine &
Simon Levine Scholarship
Edward Longard
Lou MacEachern
David MacIntosh*
Estate of Charlotte
Louise MacKean
Donald M MacRae*
Barbara McNabb*
Arthur Miller
& Ann Miller
Don & Elizabeth Mills
J William E Mingo*
& Edith H Mingo*
Estate of
Dr Marial Mosher
Estate of
Evelyn M Negus
Estate of
Elizabeth Ann Nielsen
Irwin J Nudelman, MD, MBE
Ruth Pink
A Terence Poole
Roger Proctor
H E Beth Rankin
Thomas Roy
& Wanda Roy
Gerald Schwartz
Scott Shepherd
& Carolyn Shepherd
Eldon Smith
& Sheila Smith
Ann Sobej
Frank Sobej
Heather Sobej-Connors
Estate of Walter
Gardner Stanfield
Penelope Tham
Estate of Donald Torey

Douglas & Mary Werner
Marshall Williams
Peter Williams
John Cuthbertson
& Rhonda Wishart
Jennie Wolter
Michael Zatzman
Blake Cassels
& Graydon LLP
Canadian Auto
Workers Union
Canaport LNG
Cassels Brock
& Blackwell LLP
CBCL Limited
Cooke Aquaculture Inc
CSL Group Inc
Fasken Martineau
DuMoulin LLP
Goodmans LLP
Intact Insurance Company
Iona Resources
Holdings Limited
Live 105 CKHY - FM
Moosehead
Breweries Limited
Nova Scotia Power Inc
Osler Hoskin
& Harcourt LLP
Phi Rho Sigma
Medical Alumni
Rio Tinto Alcan
The Shaw Group Limited
Stewart McKelvey
United States
Institute of Peace
Wilansky Family Fund,
Jewish Foundation
of Greater Toronto

Heller Smith
Family Foundation
Mental Health Foundation
of Nova Scotia
The Sixty Three Foundation
Walker Wood Foundation

**\$50,000 -
\$99,999**

Anonymous (7)

David Amirault
Andrew Brands
Estate of Robert Bruce
Barbara Carleton
Lesley Choyce
Howard Conter
& Karen Conter
Walter
& Marguerite Cook
Dale Dauphinee
Sylvia Dauphinee
Sir Graham Day

Andre Desmarais
Karl Dilcher
J Gordon Duff
John Edwards
M Josephine Eisenhauer
& Andrew Eisenhauer*
John Embil
Judith Flecknell
& Jeff Williams
Wallace Geldart
Reginald Goodday
& Christine Goodday
Estate of Doreen Havey
Lois Hoegg
& Chesley Crosbie
Estate of
Cecily Ann Honig
Norman Horrocks*
Estate of James
Franklin Jodrey
Estate of Elias L Karmin
Estates of Elizabeth
Killam Rodgers
& Constance Killam
Stanley, Jean, Jeff
& Colleen Knowles
James Lawley
Catherine Lazier
& John Lazier
James Lisson
Ninian Lockerby*
Mairi Macdonald
Anjna Majhail
Vince Martino
William Maycock
Ian McKee
& Johanne McKee
Ralph M Medjuck,
QC, LL.D, DCL
& Shirlee Medjuck
Alnasir Meghji
Estate of
Mary Lorraine Miller
Reid Morden
& Margaret Morden
Archie Morrison
& Cindy Morrison
Bruce D & Susan E Moxley
Edward Mullaly
Douglas Musseau
Rita Kindl Myers
Kenneth Ngan
Peter Nicholson
Barbara Nielsen
Estate of Charlotte Norman
Ian & Margaret Oulton
Rina Elster Pantalony
& Michael Pantalony
Estate of
Hugh David Peel
William Rand
William Richardson
Estate of Alex Ross
Estate of Melanie Smith
Stanley Spavold
& Jennifer Tisa
James Spurr

Estate of Flora Stewart
Estate of Albert Stocker
James Veitch
Annette Verschuren
Estate of
Mary Lucy Warr
Ellen Webster
Reginald Weiser
John Wilmot
Franklyn R Wilson
Estate of Sarah Wolff
Estate of Kathleen
Marguerite York

AMSI
Borden Ladner
Gervais LLP (ON)
Bowater Mersey
Paper Co Limited
Burgundy Asset
Management Limited
Canaccord Genuity
Canadian Patient
Safety Institute
The Corporation of
the Seven Wardens
Dalhousie Student
Pharmacy Society
Empire Company Limited
GE Canada
IWK Health Centre
Kivuto Solutions
Loblaw Companies Limited
Major Drilling Group
International Inc
Maritimes
& Northeast Pipeline
Medavie Blue Cross
JP Morgan Bank
of Canada
New Brunswick
Pharmaceutical Society
Nova Scotia
Dental Association
Oz Optics Limited
Pink Larkin
ProPharm Limited
Town of Quispamsis
Research in Motion Limited
Schlumberger
Canada Limited
Sobeys Inc
Sunny Corner
Enterprises
Tenaris
Workers' Compensation
Board of Nova Scotia
Workers Compensation
Board of PEI
Birks Family Foundation
Canadian Women's
Foundation
Compton
Foundation Inc
Harold Crabtree Foundation
The John Dobson
Foundation

The Peter & Shelagh Godsoe
Family Foundation
The Joyce Foundation
Law Foundation of
Newfoundland
and Labrador
Lockhart Foundation
Robert Pope Foundation
The Lillian
& Don Wright Foundation

**\$25,000 -
\$49,999**

Anonymous (7)

Leonard Abramsky
David Alexander
Alan Andrews
Joel Attis
Ronald Bannerman
& Yvonne Bannerman
Dorothy Barnard
Dr Edward J Barrett
Donnell Beaton, PhC
Estate of Margaret
Emily Bickle
Estate of Claude
Donet Bienvenue
Marian Binkley
& John E Crowley
Dr Michael & Ellen Bishop
Estate of
William A Black
Mary Blanchard
Tom Boran & Deb Boran
Graeme & Alberta Boswall
Edward Bowes
Janeen Bowes
Carroll Brawner
& Isabella Brawner
David Braybrooke*
Richard Brown
Susan Buggy
Marcella Bungay Stanier
Victor Burstall
& Shirley Burstall*
Estates of
Dr A Craig Campbell
& Ann A Campbell
Colin Campbell
Richmond Campbell
& Susan Sherwin
Dr Charles & Cheryl Cann
Harold Carmichael
Doreen & Terry Carroll
James Carter
Douglas V Chaytor
Dr Ken & Rosalind Chaw
Patrick & Ann Chiasson
Brenda Christen
Donald Clow
H Reuben Cohen, CC, QC
Jodi Coles & Chad Coles

THE CAMPAIGN FOR DALHOUSIE

Estate of Dorothy Cooke
 A William Cox*
 & Margaret G Cox
 Estate of Robert Creighton
 Wilf* & Helen* Creighton
 Estate of Wilf Creighton
 Brian Crocker
 & Elizabeth Crocker
 Sheridan Cyrus
 Alfred Dean
 Sarah Dennis
 Professor Robert Doyle, CM
 Blair Eavis
 Leonard Ellen
 Stanley Epstein
 Lee Erickson
 Peter Fillmore
 & Anne Fillmore
 Judith Fingard
 Margaret Fitch
 Robert C Fraser*
 Jack Gerrow
 Marcie-Ann Gilsig
 Carolyn Gimian
 Katherine Glazebrook
 & Mark Glazebrook
 Nancy Gosling
 John Gratwick*
 John Eldon Green
 J Godfrey Heathcote
 Estate of Mary Olding Hebb
 Estate of Ronald Hill
 Bill Holland
 Clifford Hood
 Jason Howard
 Louise Hunt
 John Irving
 Claire Karst
 M A (Tony) Kelly
 Dr Blaine A Kent
 Hugh & Sheila Kindred
 Wendy L Knight, MBA,
 FCGA
 Estate of John F Knodell
 Harvard Kolm
 Ethel Kostman
 Estate of Fulton D Langille
 Louis Lawen
 Terrie Logue
 Andrew Love
 & Alison Taylor Love
 David P Lund, CA
 Tin Lung
 Marlene MacCallum
 Donald MacDiarmid
 Beryl MacDonald
 Marjorie MacDonald
 Ray MacEwen
 Ruth MacKenzie
 Estate of Robin MacLean
 John MacLeod
 & Karen Smith
 Estates of Nicholas W
 & Eva Eileen MacLeod
 Peggy Maillet
 & Wayne Maillet
 David Matheson

Francis McCarthy
 Alexa McDonough
 Bill McEwan
 Gregory McKenney
 & Linda Blakey
 John McLeish
 Kathleen McNair
 Colleen Meagher*
 Dr Ikechi Mgbеoji
 Michelle Christopher
 & Ken Mills
 Aditya Mishra
 Linda Moore
 Sandy Moore
 Donna Morrissey
 Joseph Muir*
 Ted Munn
 Estate of Georgina M Odell
 Jenine Arab O'Malley
 Estate of Harry Oxorn
 Art Penson
 Ethel F Perkins*
 David Peters
 Richard Raftus
 Edward V & Barbara Rafuse
 David J N Rainsberry
 Christopher & Jean Rath
 Gerald Reardon
 Glen Richardson
 Karen Ridgway Woolhouse
 Estate of Thomas L Rogers
 Claire Sergeant
 Vernon Shaffner
 Robbie & Jean Shaw
 Franklin Sim
 Mark Simon
 Estate of L Fraser Smith
 Paul Sobey
 William Stanish
 Lynn Stodola
 & Philippe Djokic
 Victoria Stuart & Roy Stuart
 Daniel Tam
 Stanley Teale
 Joanne Thomas-Miller
 & Dean Miller
 Roger J Titterton
 Warren & Kim Tompkins
 Bruce Towler & Judy Steele
 Kathleen Trites & Lary Trites
 Raymond Wagner
 & Anne Wagner
 David Webster
 Judith Wells & Hume Wells*
 Ruth Whiteway
 Estate of Frances Wickwire
 Estate of Helen Wilks
 Budge Wilson
 Christopher Wilson
 Jim Wilson
 Kenneth Wilson
 Michael Wilson
 Richard W Winter*
 D Lee & S Wong
 Daniel Wong, MD
 & Suzette Wong
 Ernest Wotton

Herbert Wyman
 Tietje Zonneveld
 Academic Family
 Medicine Inc
 Alpha Omega Alpha
 Helen Archibald Memorial
 Scholarship Trust
 Associated Imaging
 Consultants Inc
 AstraZeneca Canada Inc
 Bell Aliant
 Chevron Canada
 Resources Limited
 College of Physicians
 & Surgeons of Nova Scotia
 Cox & Palmer
 Crosby Molasses
 Company Limited
 Dalhousie Student Union
 Dentistry Canada Fund
 Desjardins Group
 Ernst & Young LLP
 ExxonMobil
 Helen C McDowell
 Frandsen Memorial Fund
 IAMGOLD
 Koskie Minsky LLP
 Lawtons Drug Stores Limited
 Mathews Dinsdale & Clark
 The Mayday Fund
 New Brunswick
 Pharmacists Association
 Nova Scotia Association
 of Architects
 Nova Scotia Business Inc
 Nova Scotia College
 of Pharmacists
 Nova Scotia Private
 Sector Employers Counsel
 Pharmasave Drugs
 (Atlantic) Limited
 The Professional Association
 of Foreign Service Officers
 Town of Rothesay
 Seaside Wireless
 Communications Inc
 The Segelberg Trust
 Shoppers Drug Mart
 TD Insurance
 Meloche Monnex
 Highbury Foundation
 Alvin & Mona Libin
 Foundation
 The MasterCard Foundation
 McCarthy Tétrault
 Foundation
 McMillan Family Foundation
 The Plum Foundation
 Saunders-Matthey Cancer
 Prevention Foundation
 Walter C Sumner Foundation

**\$10,000 -
 \$24,999**

Anonymous (21)
 Simone Abbass
 Ian Ainsworth
 Thomas Akin
 David D Archibald
 Dr A Gordon*
 & Marion Archibald
 James & Dorothy Archibald
 Morton Aronoff
 Kinji Asahina
 Estate of Helen Mary Atkins
 James Bagnell
 John Baker
 Steven Baldwin
 Anthony Ballard
 Catherine Banks
 Randy Barkhouse
 & Nancy Barkhouse
 Harold Barnett
 Gene Barrett
 Anne Bastedo, Edgar Frank
 Bastedo & Richard Lane
 Frank Bell, MD
 David Cook & Susan Bennie
 Bonnie Best-Fleming
 Estate of Helen
 Wilson Beveridge
 Fiona Black
 Lynanne Sharpe Bolton
 Kathleen Booth
 & Robert Booth
 Hilda Bouzane*
 Gregory Bradley
 Robert Broadworth
 Kimberley Brooks
 Victor Brotz*
 Estate of Elizabeth
 Fraser Brown
 Hugh Brown
 Casimir Browne
 Estate of John Henry Budd
 Lydia Bugden
 & Christopher Smith
 M A Cameron
 Margaret Casey
 Tim Chaisson
 Arthur Chesley*
 & Doris Chesley
 Maurice Chiasson
 Kwai-Leung Chong
 Brett Christen
 Helen Cianfaglione
 Ian Colford
 Christopher Comeau
 Burton Conrod
 & Constance Conrod
 Peter Conrod & Joan Conrod
 Martha Crago
 Paul Creaghan
 June Creelman

Robert Crummey
 Estate of Joan Cummings
 John & Donna M Curry
 Philip Curry
 Ruth Danson Faraday
 Peter & Constance M Darby
 William Densmore*
 Honourable Carlton J Dill
 Rebecca Dobson
 Floyd Dykeman
 Ron El-Hawary
 Peter Fardy
 Estate of James Earl Feener
 Susan Feindel
 Christopher Field
 & Harriet Field
 Brian Flemming
 & Janice Flemming
 James Francis
 Philip Fraser
 & Siobhan Bergin
 Rod Fraser
 Marie Frazee
 Stephen Frazee
 Winston E Gaum, MD
 Laurette Geldenhuis
 Donald Gibson
 & Carol Markham
 Estate of Scott A Gillis
 Philip Girard
 Constance Glube
 Estate of Burton Goodwin
 Terrence Gordon
 Jack Graham
 & Michelle Awad
 Jean Gray & Michael Gray
 Roselle Green
 Michael Gross
 Eldon Gunn & Holly Gunn
 Rajendra Gupta
 Estate of Miriam G Guptill
 Estates of Lawrence
 & Doris Hancock
 Edwin C Harris, QC &
 C Patricia Harris, QC
 Graham Hart
 Gerard Hawco
 & Gillian Marriott
 Vonda M Hayes, MD
 Laurence Hebb
 Ronald Hill*
 Barbara Hinds
 David Hoffman
 Suzanne Huett & Dan Myers
 Mary E Hunter
 John Hyndman
 John Icoeton
 Andrew Ingham
 & Cynthia Wheeler-Ingham
 Sharon & Stanley Jacobson
 William Jamieson
 David Janigan*
 James Jardine
 Brian Jarvis
 Gilbert Jennex
 David Jessop
 & Karen Ostergaard

THE CAMPAIGN FOR DALHOUSIE

Johanna Jodrey
 Barry Johns
 Estate of Helen Johnson
 B Lynn Johnston
 Brian Johnston
 Thelma Johnstone
 Samuel Jopling
 Leah Edelstein Keshet
 Bryce Kiberd
 & Colleen Kiberd*
 Osvald Knop
 Kalliana Krishnan
 Ross Leighton
 & Margaret MacRae
 Leighton
 Joshua Leon
 Steven Levinson
 Jamie Levitz
 Marlon Lewis
 Wendy Lill
 Claire Lopeter
 Allan MacDonald
 Carolyn Flemming
 MacDonald
 D William MacDonald
 & Patricia Pearce
 Donald MacDonald
 Nancy MacDonald
 Donald MacEachen
 Raymond MacGillivray
 Marie MacInnes
 Bill & Robin MacInnis
 George Macintosh
 Andrew* & Alexa MacKay
 Harold MacKay
 Robert MacKeigan
 & Charlotte MacKeigan
 Sandy Mackenzie
 Christopher MacKnight
 Matthew MacLellan
 John C MacPherson
 Christine Macy
 & Sarah Bonnemaision
 John Mader
 William Maes
 Thomas Marrie
 & Kathleen Marrie
 Dr Debora Matthews
 Ian McAllister
 Estate of Kathleen
 Stack McColough
 Carolyn McFarlane
 & John McFarlane
 Stewart McInnes
 & Shirley McInnes
 Bradley Willet
 & James McKeen
 William McKeown
 A Anne McLellan
 Peter McLellan
 Charles Meagher
 Harold Medjuck
 George & Shirley Mencher
 Dr Tom Meyerhof
 Thomas Milroy
 Lorne & Audrey Mitton
 Mary Mitton

Mr & Mrs Tyler G Moniz
 Belinda Montigny & Family
 Douglas Moores
 Eilonwy Morgan
 David Morrish
 Nancy J Morrison
 James F I Moseley
 Dr T Jock Murray, OC, ONS
 & Janet Murray
 Bonnie Neuman
 Brooke Noffle
 Patricia Norman
 Scott Norton
 Mark Nutley
 Bruce Oland* & Ruth Oland
 Dr Benjamin
 & Mrs Cheryl Orlik
 Nancy K Orr
 Sean Orrell
 Lars Osberg
 Estate of Gladys Osman
 Frank Oulton
 Estate of Howard
 Grant Parker
 Christopher Penney
 Dorothy Perkyms
 Peter Phillips
 T Olive Phillips
 Gerine Phills
 Derrick Pringle
 Robert Radchuck
 Thomas H Raddall, II
 Elizabeth Rainsberry
 Paul Rainsberry
 Michael Reardon
 William Rector
 Douglas Reid
 & Maureen Reid
 Donald Robart
 Freda Robb
 Heather Robertson
 Kenneth Rockwood
 & Susan Howlett
 George Rogers
 Ronald Rogers
 Edwin Rosenberg
 & Victoria Rosenberg
 Gordie Rudolph
 John Rutherford
 Helen A Ryding
 Dr Carolyn Savoy
 & David Robertson
 Harold & Diane Schwartz
 Hans-Gunther Schwarz
 David Scott
 & Kumiko Azetsu-Scott
 George Sesiija
 Joseph Shannon
 Alan Shaver
 & Deborah Buszard
 Allan & Leslie Shaw
 Hugh Siddall
 Fazley Siddiq
 Glenn Smith
 Jennifer Smith
 & Denis Stairs
 Ronald Smith

Estate of
 Samuel Ernest Sprott
 Robert Stalker
 Dennis Starritt
 Lawrence Steinberg
 John Stewart
 Moira Stewart
 Larry Stordy
 & Wendy MacGregor
 Stordy
 Estate of Nelson W Stott
 Robert Summerby-Murray
 Heather Sutherland
 Ryerson Symons
 & Michele Leighton Symons
 Wanda Szubielski
 Monica Tap
 John Tedeschi
 Lionel Teed & Joan Teed
 Arthur Thurlow
 Lorne Titus
 Elizabeth Townsend
 & Harold Robertson
 Tom Traves & Karen Traves
 Andrew Trenholm
 Ann & Ian Vessey
 Toshifumi Watanabe
 Wayne Watson
 & Margaret Todd
 Estate of F Hume Wells
 Frederick Whelan
 Martin Willison
 Gilbert R Winham
 Annie Winter
 Cheryl Winter
 Gary Winter
 Scott & Sandy Winter
 Robert Winters
 Ivan Wong
 Chester Wyman
 Harold Yazer & Myrna Yazer
 Margaret Yhap
 S Paul Zive
 3M Canada Co
 Alzheimer Society
 of Nova Scotia
 Amgen Canada
 AML Communications
 Corporate Nova Scotia
 Architects' Association
 of New Brunswick /
 Association des architectes
 du Nouveau-Brunswick
 Atlantic Farm
 Mechanization Show Inc
 Atlantic Planners Institute /
 'Institut des Urbanistes de
 l'Atlantique
 Beckman Coulter Canada LP
 BOYNECLARKE LLP
 Burchell MacDougall
 Canfax Group Limited
 Center for Powder
 Metallurgy Technology
 Credit Union Central
 Alberta Limited

Dalhousie Physiotherapy
 Class of 2006
 DHX Media Limited
 Doctors Nova Scotia
 Engineers Nova Scotia
 Fillion Wakely Thorup
 Angeletti LLP
 Flagstone Management
 Services (Halifax) Limited
 General Dynamics Canada
 Halifax City Soccer Club
 Halifax Stanfield
 International Airport
 Jenkins Marzban Logan
 Johnson Inc
 Labourers International
 Union of North America
 Le Groupe Jean Coutu
 (PJC) Inc
 LIUNA Ontario Provincial
 District Council
 Lush Fresh Handmade
 Cosmetics
 Maple Leaf Foods
 McInnes Cooper
 Merck Canada Inc
 Miller Thomson LLP
 Morrison Williams Investment
 Management LP
 New Brunswick
 Dental Society
 New Brunswick
 Nurses Union
 Newfoundland & Labrador
 Association of Architects
 Northwater Capital
 William Nycum
 & Associates Limited
 PCL Contractors Canada Inc
 Pfizer Canada Inc
 Pratt & Whitney
 Canada Corp
 Pride Mobility
 Products Corp
 Public Inc
 reachAbility
 Roche Diagnostics
 Sack Goldblatt Mitchell LLP
 Sandoz Canada Inc
 Sanofi Canada
 The Scots
 Sepracor Canada Limited
 Siemens Healthcare
 Diagnostics Limited
 Sinclair Secondary School
 Sunstar Americas Inc
 Surrette Battery
 Company Limited
 Syncrude Canada Limited
 Torsy LLP
 Canadian Energy
 Law Foundation
 Canadian Foundation
 for Climate &
 Atmospheric Sciences
 Harbinger Foundation
 Legatum Foundation

Salamander Foundation
 Steel Structures
 Education Foundation

**\$5,000 -
 \$9,999**

Anonymous (20)

Wade Abbott
 Robert Abraham
 Estate of Pauline
 Harrison Allen
 Gita Anand
 Douglas Anderson
 & Pamela Anderson
 Robert & Marion Anderson
 Carol Anne Ando
 Philip Anisman
 Estate of Barrie Annis
 William Apold
 Richard Apostle
 Professor Bruce P
 Archibald, QC
 David Archibald
 Manning Archibald*
 & Edith Archibald*
 Margaret Arkie
 Del Atwood
 Peter Bacsalmasi
 Philip Bagnell
 Estate of Ronald P Baird
 Brian Baldwin
 Jerome Barkow
 John Barnstead
 Martha Barnstead
 Dr Michael H Barry
 & Dr Susan Zed Barry
 Sonja Bata
 Elizabeth Bell
 Estate of R B
 Viscount Bennett
 Alfred Bent & Callie Bent
 Drs Peter & Peggy Bethune
 Subrata Bhattacharjee
 & Erin Iles
 Tracey Bissett
 William Blakeney
 Kevin Bourgeois
 Albert Bouzane*
 Michael Bowick
 Russell Boyd
 Douglas Brown
 Susan Brown
 Wayne Bruce
 Charles Bryfogle
 Janet Bailey Buckley
 & Ronald Buckley
 Farokh Buhariwalla
 Debra Burleson
 Margot Burnell
 Jeffrey Burns
 Robert Burris
 Alistair Bursej

THE CAMPAIGN FOR DALHOUSIE

Ken Burt
 Victor Bustard
 John Van Buuren
 Catherine Byham
 George Caines, QC
 David & Rita Caldwell
 T Stanley Cameron
 Iola Campbell
 Carl Canning
 Julie Carroll
 Raymond Carroll
 James W Carson
 Catherine Carton
 David & Margaret F Case
 Stephen Cawood
 Jeffrey J Chad
 Daniel Chan & Mabel Au
 Paul Charlebois
 Diane E Chisholm
 John Christie
 Mary Clancy
 Claire & Bob Clark
 George Clarke
 Lorne Clarke, OC
 Gerald & Leta Clayden
 Arthur Coady
 Catherine M Coady
 Paul Coady
 Christopher & Sylvia Coelho
 James Coleman
 George Cooper &
 Tia Cooper
 Peter Corkum
 & Marilyn Corkum
 M Lynn Coveney
 Austin Creighton*
 Sandy Crocker
 Peggy Cunningham
 Thomas Curran
 & Jane Curran*
 Todd Dakin
 Sharon Davis-Murdoch
 & John Murdoch
 Dr Peter de Lijser
 Nicholas Delva
 Estate of Honourable
 W H Dennis
 Estate of L A DeWolfe
 Surendra Dheer
 John Dick
 William Dickson
 Dr Thomas
 & Margaret-Ellen Disney
 Arthur Donahoe
 Dow Dorcas
 William Draper
 Wanda Drost
 Jack Duffy
 Peter Duinker
 Judy Dunn
 Sean Durfy
 Eric Durnford
 Valerie Dyer
 Willem Dykshoorn
 Jessica Echenberg
 John Edgecombe
 Joseph Elias & Marielle Elias

Ann Evans
 Clyde Evans
 Lorraine Facca
 & Adrian Facca*
 Michael Fernandes
 Graham Finch
 Iraj Fooladi
 Frederick Fraser
 George Fraser
 Daryl Fridhandler
 Richard Gaetz
 Patricia Gallivan
 Diane Ganong
 Lawrence Gaum
 Dr Rolie Genge
 Charles F P George
 Edmond Ghiabi
 Helen Gibson
 Diana Ginn & Malcolm Boyle
 Glen Ginther
 Harry Glube
 Frank Goodfellow
 & Mary Goodfellow
 Honourable Walter
 Goodfellow, MSM, CD, QC
 Frederick Goodine
 Jane Grantmyre
 & James Frost
 Susan Gray
 J Scott Green
 & Joanne Green
 Walter Green
 Brian Gualazzi
 John Guy
 Christopher Hale
 James Hale
 Donald Hall
 Colin G Hames
 Keith Hamilton
 Sarah Haney
 Wayne Hankey
 Sarah Harding
 Cecil Harricharan
 Estate of John Logan Harris
 Dr Kathryn Harvey
 Philip Harvey
 Dr Rosemary Henderson
 Brian Hennen
 Alexander Hickman
 Terry Higgins
 Estate of Katherine A Hill
 C David Hoffman
 Emeric Hofstader
 & Sophie Hofstader
 Sandra Holloway
 Mark Houston
 Christopher Hubley
 Denis Huck & Valli Huck
 Eugene Ignacio
 Catherine Imrie
 & Jay Biskupski
 David Inkpen & Jean Inkpen
 John Ivey
 Mike & Sally Jackson
 Rockney Jacobsen
 & Renee Sylvain
 Dr W David Jamieson

Peter Jeffrey & Linda Jeffrey
 Calum Johnston
 David G Johnston
 Winnifred Johnston
 Derek Jones
 Malachi Jones*
 Dr Bruce Josephson
 Israel Karrel
 Satinder Kaur
 Lucille Kerr
 Sean Keyes
 Barbara Kierstead
 Laurel King
 John Kinley* & Grace Kinley
 Stanley Kutcher
 Dr Howard Lamb
 Jeffrey Lamb
 Jean Langley & Ross Langley
 Douglas LeGay
 Margaret Li
 Joseph Liberman
 Norma Linney
 & Mary Goodfellow
 Henry Litz
 Donald & Sandra Lobban
 Karl Logan
 Dr Frank Lovely
 Greg Lozowski
 Gary Luftsprung
 & Elizabeth Ellis
 The Honourable
 Arthur M Lutz, LLB'60
 Royden MacBurnie
 Bertrum MacDonald
 Christopher MacDonald
 George MacDonald
 Noni MacDonald
 Raymond MacDonald
 Robert C MacDonald
 Robie MacDonald
 William M MacDonald
 Winnifred MacDonald
 & Vernon MacDonald
 Josephine MacGillivray
 Stuart MacKinnon
 Charles MacLean
 James MacLean
 George* & Oriel MacLennan
 David MacLeod
 James MacPherson
 Gloria Mader
 Thomas Mader
 Karen Mann & Ian Mobbs
 David Manning
 & Darlene Manning
 Estate of Alan H Marshall
 Mary Ann Martell
 Terence Mathers
 Grant Matheson
 John Matheson
 Phyllis Matheson
 Timothy Matthews
 Judith Maxwell
 Bryan Maycock
 Richard Mazur
 & Marlene Mazur
 Gillian McCain
 Robert McDowell

Barbara McGregor
 Roderick McInnes
 Mary McNally
 Dale Meisner
 & Janice Meisner
 Derry Millar
 Graham Mitchell
 Breda Mizerit
 Emerson Moffitt*
 Christopher Montigny
 Michael Montigny
 Donald & Ruth Ann Morrison
 James H Morrison
 Estate of Harry S Morton
 Richard Mueller
 Michael Murphy
 Kenneth Murray
 Robin Nasmith
 Irwin Nathanson
 Gregory Neiman
 Dr George R Nye
 Joseph O'Brien
 Stephen O'Brien
 Sarah Orenstein
 Barbara J O'Shea
 William M Oxner
 Gus Papageorgiou
 George L Parker
 Joan Parker & John Parker*
 Winston Parkhill
 Sifford Pearre & Anja Pearre
 William Perkins*
 Michael Phelan
 Ian Pickard
 John Plowman
 William Pollett
 Peter Power
 & Jacqueline Power
 Catherine & Paul Pross
 Mary Pugh
 Daniel Quance
 Clifford Rae
 Heather Rae Johnson
 Mahesh Raju
 Dr Suzanne Ramsey
 & Dr Conrad Fernandez
 Dr Richard Raymond
 Jocelyn Raymond Read*
 Dr Dan Reid
 Gordon Reid & Sylvie Reid
 Karine Renton
 David Ritcey & Susan Ritcey
 Robert* & Paula Rix
 Terry Roane
 Ronald Robertson*
 Michael Robinson
 Robert Rogers
 Catherine Ross
 Sheldon Rubin
 John Ruedy
 Estate of Joseph G Rutten
 Patrick J C Ryall
 Robyn Ryan Bell
 Mark Sadler & Keltie English
 Michael Salgado
 Wendell Sanford
 Samuel Scully

Terrence Shaw
 Suzanne Sheaves
 Estate of Pius M Sigsworth
 Luella Smith
 Michael Smith
 Richard Smith
 & Brenda Smith
 Richard Soberman
 Alex Speers
 Robin Stadnyk
 Mark Starratt
 & Jennifer Hayes Starratt
 Estate of Brian Start
 The Honourable
 Ronald C Stevenson
 Alec Stewart
 James Stewart
 Aidan Stokes
 Grant & Pamela Stonehouse
 Russell Stonehouse
 Marlene Stones, QC
 Timothy Sullivan
 David & Elizabeth Sutherland
 Evelyn Sutton
 & Robert MacDonald
 Emily Yoh Tan
 Cara Tax
 Francis C Tan
 Dr Alan Tarshis
 George Tattie & Brenda
 Tanner Tattie
 Cara Tax
 Geraldine Tepper
 Estate of Louis Henry Tepper
 Andrew Terris
 Richard Thompson
 & Gail Thompson
 Scott G Thompson
 Peter Thomson
 Janet Maclellan Toole
 David Torrey
 James Travers
 Aubrey Travis
 Mukundrai Unia
 Donna Wheeler-Usher
 & Grahame Usher
 Lawrence Vallet
 Thomas Vincent
 Steve Waller
 Robert* & Stella* Weil
 Dr Michael L West
 Joseph Westhaver
 Robert White
 & Mary Anne White
 Tim White
 Rebecca Boyd Whittico
 & Mathew Whittico
 Frederic Wien & Carol Wien
 Dr Sharon Wiens
 Heather Wier
 Derek Wilke
 Mitch Williams
 David F Wilson
 Estate of
 Mrs Jean D Wilson
 Elisabeth Woolner
 Arthur Worth
 John Yogis

THE CAMPAIGN FOR DALHOUSIE

David Young
& Shirlene Young
Robert Young
Kevin Zimmel
William Zukiwski
Addenda Capital Inc
AGRIUM
Air Liquide Canada Inc
AMEC Americas Limited
Annapolis Valley
Dental Society
AON
Associated Maritime
Pharmacies
Association of Dalhousie
Neurosurgeons
Audiology Associates
Belmont Financial Group
Bitumar Inc
BMO Harris Private Banking
Carl T Boswick
& Associates Limited
Cameco Corporation
Canadian Bar Association –
Nova Scotia Branch
Canadian Institute of
Steel Construction
Cape Breton Island
Building & Construction
Trades Council
Carlton Cards Ltd
The Center for International
Governance Innovation
CEP Atlantic
Communications Council
G Raymond Chang
Foundation
Colgate-Palmolive
Canada Limited
Compass Group
Canada Limited
CWSCO Holdings 2008 Inc
Dalhousie College of
Pharmacy Class of 2009
Dalhousie Dentistry
Class of 2012
Dalhousie Law
Graduation Committee
Dalhousie Schulich School of
Law Orientation Week
Design and Construction
Institute of Nova Scotia
DPM Solutions
DSRA Envision
Architecture Inc
DWPV Services LP
Ekistics Planning & Design
Export Development Canada
Ganong Bros Limited
Goldcorp Inc
Gowlings LLP
Green Diamond
Equipment Limited
Halifax Cardiac Support
& Education Society

Halifax County
Dental Society
The Halifax Herald Limited
Hearth architectural Inc
HRJ Consulting Limited
International Brotherhood
of Electrical Workers –
Local 37
International College of
Dentists (Canadian Section)
Iron Ore Company of Canada
KASSNER/GOODSPEED
ARCHITECTS Limited
KBSH Capital
Management Inc
Lawson Lundell
Layton Bioscience Inc

Lydon Lynch
Architects Limited
MacDougall Steel
Erectors Inc
Mainland Nova Scotia
Building and Construction
Trades Council
Man Investments
Canada Corp
Memorial Composite
High School
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–Alexandra Stephenson, student

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Emily Beauchamp, 5th year Spanish and Latin American Studies student



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Dalhousie Alumni



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DAL FALL 2013

She made contact with the essential oil producer, Abdullah Arsala, and bought \$2,000 worth of orange blossom oil, funding her fledgling business with her Visa card.

BUILDING A BETTER WORLD

Perfume Powerhouse

Barb Stegemann (BA'91) wanted to create economic growth in some of the world's poorest regions. And she's doing it one fragrance at a time. By Kim Pittaway

Not everybody has been given the gift of poverty," says Barb Stegemann (BA'91).

And not everybody thinks of poverty as a gift. But Stegemann does. She and her sister grew up poor, children of a single mom on welfare, living in a trailer on a dirt road near Antigonish. That experience, and the education at Dalhousie and King's that followed it, shaped Stegemann's beliefs about business, giving back and building a better world, ideas she first explored as an international development studies (IDS) student at Dal. "Business is a great way to apply the IDS principles of honour and respect." They are values she's embedded in her perfume company The 7 Virtues Beauty Inc. and the book she's written to capture her philosophy on business and life, *The 7 Virtues of a Philosopher Queen: A woman's guide to living and leading in an illogical world*.

It hasn't been easy. "Fewer than one-tenth of one per cent of people would take on the challenges she's taken on," says Stegemann's mentor and former CEO of the Halifax Trade Centre Fred MacGillivray. "But challenges only make her work harder."

That work has paid off. In 2011, she was the first woman from Atlantic Canada to sign a deal on CBC's *Dragon's Den*, partnering with then-dragon W. Brett Wilson. In 2012, the show named her their Top Game Changer of the last seven seasons, for her innovative approach to social change through business partnership rather than charity. (Her "perfume not poppies" business strategy has pumped \$120,000—"legal dollars" as she says—into the economy of Afghanistan.) That same year saw her top entrepreneur lists produced by Ernst & Young in Atlantic Canada, *Profit* magazine and the Women's Executive Network, while her Vetiver of Haiti perfume was named to *Chatelaine's* Beauty 100 list. Not bad for someone who didn't really know much about perfume until she decided to launch her company in 2010.

"Barb is a force of nature," says Kim Kierens, vice-president of the University of King's College, once Stegemann's journalism professor

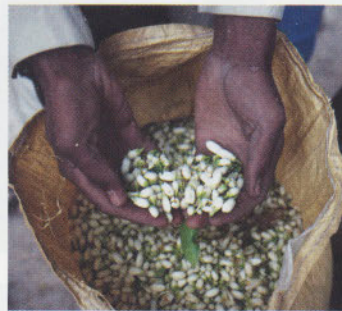
and now her friend and mentor. One might think, though, that even a force of nature would hesitate to launch a company producing products she didn't know much about, sourced from suppliers in a war-ravaged country she'd never visited.

But Stegemann is no stranger to challenge, starting with "educating myself out of poverty." She remembers flipping through the Dalhousie course calendar, imagining another life for herself. Once at Dal, she studied sociology and international development studies and made friendships that would last through the decades that followed. A stint as a flight attendant and a return to school—enrolling in King's one-year journalism program while working virtually full-time—followed. Then in 2006, the unimaginable happened: her classmate Trevor Greene, a captain in the Canadian Forces in Afghanistan, was attacked and suffered a devastating head injury during a goodwill meeting with the elders of an Afghan village.

Where others might have reacted with hatred for Afghanistan, Stegemann was inspired by her friend's own desires to help the people there. She wasn't sure how or when, but she promised herself and Greene that she would continue his work to rebuild Afghanistan.

Four years later, her chance to keep that promise arrived. Stegemann had taken a communications position with the Halifax Trade Centre and written and self-published her book on leading a value-driven life, when she stumbled on an article about the challenges faced by an essential oil producer in Afghanistan. "The same people who had attacked Trevor were the ones trying to destroy these legal businesses," says Stegemann.

A whirlwind of learning, telephone calls, conversations with embassies and discussions with Toronto perfumer Susanne Lang followed. "The learning curve was steep," Stegemann says. She made contact with the essential oil producer, Abdullah Arsala, and bought \$2,000 worth of orange blossom oil, funding her fledgling business with her Visa card. (The start-up costs would top \$18,000 by the time she launched her



FROM TOP LEFT: The 7 Virtues CEO, Barb Stegemann, (BA'91); an Afghan farmer holds orange blossoms; blossoms being sorted in Jalalabad; an Afghan farmer distilling the fragrance from the flowers; former U.S. President Bill Clinton and Stegemann in Haiti; Stegemann's line of fragrances.



company—"the price of a nice kitchen reno," she laughs.) Nine months later, The 7 Virtues Beauty's first perfume, Afghanistan Orange Blossom, hit the shelves at The Bay.

In the three years since, the company has launched three more fragrances, each sourcing top-quality raw material from a corner of the world more often known for its bad news than its appealing fragrances: Noble Rose of Afghanistan, Vetiver of Haiti, Middle East Peace. Stegemann has plowed the revenues from the perfume company back into the business, not drawing a salary. But she's quick to point out that the perfume business is not a charity. "Everybody makes money from it, the farmers, the retailers, the suppliers—we all make money."

While she, her children Victor and Ella, and her husband car dealer Mike Velemirovich live in a modest bungalow in Bedford, Stegemann doesn't long for a bigger house—or even the kitchen reno her business investment could have bought her. "We've made something that makes a difference."

And while she says she has no master plan for her life, her mentor Fred MacGillivray sees more success in Stegemann's future. "She's a visionary," he says. "There are more big things in her."



For nearly 200 years, Dalhousie alumni have made extraordinary contributions that positively impact the lives of others. We're featuring just some of these graduates in our Building a Better World series. **READ ABOUT OTHER INSPIRATIONAL ALUMNI AT ALUMNI.DAL.CA/STAY-INFORMED/BUILDING-A-BETTER-WORLD.**

PHOTOS COURTESY: BARB STEGEMANN

Each year, the Dalhousie Alumni Association Awards recognize a number of Dalhousie alumni for their outstanding accomplishments and contributions. These remarkable individuals are carrying on a nearly 200-year tradition of building a better world. By Elizabeth Thompson

RECOGNITION

2013 Dal Alumni Association Awards

THE A. GORDON ARCHIBALD AWARD

recognizes alumni for outstanding volunteer contributions to Dalhousie

Scott Shepherd (MBA'83), president and GEO of Northstar Trade Finance Inc. has never been shy about rolling up his sleeves and jumping in.

"There are many ways to contribute time, money and expertise," says Shepherd. "Not everyone has the financial resources to write the big cheque but it's still possible to support the university in a meaningful way, using the skills and abilities you have at your disposal."

Given the array of volunteer roles he has played at Dalhousie, Shepherd knows what he's talking about. He served on the Board of Governors, assisted on two major fund-raising campaigns, is an advisor for both the Faculty of Management and the Rowe School of Business, offers eight-month work terms to students in the Corporate Residency MBA Program, and has established six financial awards for students in the Faculty of Management.

Shepherd's own experience at Dalhousie—namely, realizing that he didn't have enough money to finish his first-year studies—plays a key role in his ongoing commitment to the university. "I spoke to a clerk and she found a bursary that was established just for a situ-

ation like mine," he recalls. "In three days, I had a cheque for the exact amount I needed. Without those extra funds, I wouldn't have been able to continue."

Shepherd also received two fellowships, one with the Department of Foreign Affairs, which took him to the Philippines for a work term, and another with Transport Canada. "These experiences were amazing. They gave me tremendous insight about how to put what I was leaning into action. It had a big impact on my career."

"Dal is an important part of my life," he continues. "You can't take something out without putting something else back in and by volunteering and donating, I have a profound sense that I am putting seed back in the ground. It's very fulfilling."

THE LIFETIME ACHIEVEMENT AWARD

recognizes alumni for exceptional accomplishments in career and community service

Dr. Margaret Fitch (BScN'73) is always looking ahead, trying to understand how we will need to deliver cancer care in the future.

In doing so, her research, practice and

professional leadership has had a defining influence on health care, not only in Canada but around the world. Her contributions and accomplishments fill an 88-page CV and have earned her recognition from the Canadian Association of Psychosocial Oncology and the National Council of the Canadian Cancer Society. And it all began here at Dalhousie.

"I still quote the theories of nursing that I learned in my undergraduate degree at Dal," says Dr. Fitch. "The university was unique in that it had a real sense of family. There were only 35 students in my class, but it was located in the midst of this regional centre of excellence for health care. I felt very connected to my classmates as well as to what was happening in the broader medical community."

With her dad a physician and Dalhousie Medical School alumnus, and her mother a nurse, Dr. Fitch was naturally drawn to the healing professions. "I always wanted to be able to make a difference, and graduate studies seemed a good way to achieve that," she explains. "In the early 1980s, when I decided to do a PhD, oncology and palliative care were relatively new. There was a real opportunity to shape the future direction of the field."

Currently, Dr. Fitch serves as head of oncology nursing at the Odette Cancer Centre, Sunnybrook Health Sciences Centre in Toronto.

THE DALHOUSIE ALUMNI DINNER OCTOBER 3 · 2013



The DAA Awards dinner on October 3 honoured four stellar Dal alumni and a Dalhousie leader in teaching (photo top right). From left to right: Scott Shepherd (MBA'81), Dr. Margaret Fitch (BScN'73), Dr. Arunika Gunawardena, Terry Michalopolous (BA'12) and Dr. Jordan Sheriko (MD'11). BELOW, attendees enjoy conversation before the awards presentation.



Among many other professional accomplishments, she has also served as president of the International Society of Nurses in Cancer Care and as a founding member of the Canadian Association of Nurses in Oncology. She is also co-author of *Supportive Care Framework: A foundation for person-centered care*, which has guided care delivery across Canada, as well as in Australia and Europe.

THE CHRISTOPHER J. COULTER AWARD recognizes recent graduates for innovative accomplishments and notable contributions to society, the community or Dalhousie

The idea for Camp Triumph was born of Jordan Sheriko's (MD'11) childhood experiences. His father, Tom, was diagnosed with brain cancer when Dr. Sheriko was just four years old and battled the disease for more than 18 years.

"Our lives revolved around his care, treatment and appointments. We wanted to give kids who are going through similar things an opportunity to get a break from the demands of their everyday life, and be exposed to new experiences, to build self-esteem and confidence with others who can truly relate to their situation." says Dr. Sheriko.

The summer camp is dedicated exclusively to children who have a family member with a chronic illness—not just cancer. And it's the only camp of its kind in North America.

Dr. Sheriko spends most of his spare time running the camp, which can be more like a full-time job than an extracurricular activity. "We look after everything, from the day-to-day activities to all the behind the scene jobs like accounting, paperwork and fundraising," says Dr. Sheriko, who launched the project with his mother Kathi in 2005. "Once it got rolling, it was too big to stop. It got to the point where it was a lot to handle, but we had to keep going because people were relying on us."

Fundraising is integral to the success of the camp. "The financial impact that a chronic illness has on families is often overlooked, so that's why we offer the camp free of charge," he says. "The camp is staffed by volunteers and we raise money to cover the hard costs. So, to a large extent, it's fundraising that dictates how many weeks we can operate each summer."

What started as a one-week camp at a temporary location in rented tents has become a full-blown summer camping extravaganza. Now in its ninth year of operation, the camp has a permanent location in a corner of the Cabot Beach Provincial Park in P.E.I. with new facilities. It operates five weeks a year, with

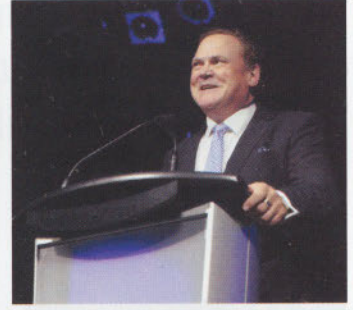
approximately 70 campers each week.

"Chronic illness affects the entire family," says Dr. Sheriko. "Everyday life is centered on the person who is ill and children often have to take on extra responsibilities. The focal point of our camp is to give these kids an experience that is all about them."

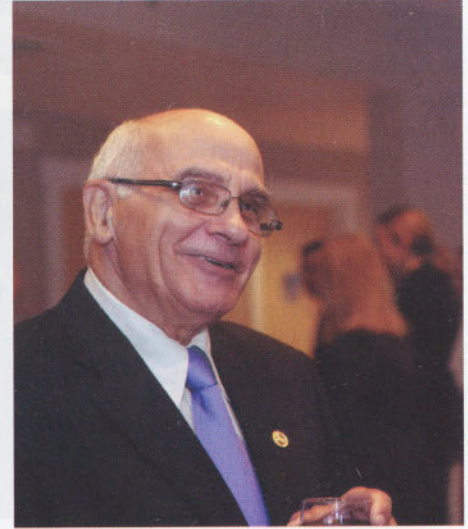
THE VOLUNTEERISM AWARD recognizes extraordinary alumni whose volunteer efforts have resulted in the creation, expansion or the continued success of a program that has a significant impact on the local, regional, national or international community

At 71, Terry Michalopolous has figured out a few things about life. "It's not about the getting," he says. "It's about giving."

The decorated volunteer, who enrolled at Dalhousie in 2007 at the age of 65, has made it his mission to help make our world a better place. Over the course of his time at the university, Michalopolous has received the Community Spirit Award from the Lieutenant Governor, a certificate of appreciation from Immigrant Settlement and Integration Services (ISIS), an Alumni Citizenship Award from Dalhousie's Department of Spanish and



In the words of Terry Michalopoulos (BA'12) (bottom right), "you make your life of what you give."
TOP ROW, LEFT TO RIGHT: DAA President Barrie Black and Dr. Arunika Gunawardena, Dr. Margaret Fitch (BScN'73), Dr. Jordan Sheriko (MD'11) and Scott Shepherd (MBA'81). BOTTOM LEFT: Precision drum corps Squid ended the evening's entertainment.



Latin American Studies, and a Student Impact Award from the Dalhousie Student Union.

These awards recognize his contributions on campus, in the community and internationally. It began in 2008 when, at the age of 66, he walked the 820-kilometre pilgrimage along the Camino de Santiago de Compostela through France and Spain to raise money for the Nova Scotia Heart and Stroke Foundation in honour of his late wife Anna—an expedition he repeated in 2010.

In 2009, he volunteered as an English Teacher at ISIS, which led to an offer to volunteer in Mexico with a program that takes English workshops to rural communities. Michalopoulos returned to Mexico to volunteer with the University Autonoma again this summer and fall.

On campus, he is known for inspiring and mentoring students and for speaking to classes about his experiences on the Camino de Santiago.

Michalopoulos's living philosophy was inspired by his experiences with his wife, who in 1997 was given just a year to live. He left his management job, and they simplified their lifestyle to spend more time together. Anna survived another nine years.

"When we're young, we all want the big career, the big pay cheque and the big house,"

Michalopoulos says. "But those nine years I spent with Anna, when we didn't have any of those things, taught me about what's really important in life."

THE AWARD FOR EXCELLENCE IN TEACHING recognizes a professor who, in the eyes of students and peers, displays the qualities of superior teaching, enthusiasm for the subject and interest in the needs of students

Arunika Gunawardena says she's "humbled" to receive the university's top teaching award.

Dr. Gunawardena, an associate professor in the Department of Biology whose research focuses on programmed cell death in plant development, is no stranger to acclaim. In addition to a Faculty of Science Killam Prize for her research in 2011/12, she received a DSU Teaching Excellence Award in 2011 and a 2013 Outstanding Graduate Advisor Award.

"We are really fortunate to have such a dedicated, hands-on professor who is always there for [us] when we need help," says Adrian Dauphinee, a PhD student who works with Dr. Gunawardena. "It makes a huge difference."

What is Dr. Gunawardena's secret? The

kindness she shows her students, treating them as equal partners in their education. Creating interactive lectures and implementing an open-door/open-house policy, Dr. Gunawardena puts her students at ease, something she says results in "higher productivity" and more smiles in the classroom. For her, teaching is a reciprocal relationship.

"I think I can learn from my students too, from their questions and observations. Sometimes it's unbelievable the type of amazing questions that they ask."

That questioning environment is a critical component of her classroom. "Before I start my lecture I ask if they have questions from the previous class. If they say no, then I say, ok, well I have questions [for them]. And this is how they become engaged and slowly develop the confidence to start asking questions. That's the part I love."

Dr. Gunawardena teaches two plant biology classes: a larger second-year class and a more intensive fourth-year plant cell biology class. She takes the time to try and put herself in her students' shoes in order for them to succeed and to understand what they're learning.

"Teaching is such a rewarding experience," she says.

Homecoming 2013 started with a bang and ended with a roar—three fun-filled days that brought together alumni from across the years

ALUMNI EVENT

Homecoming 2013



Reunions, awards, food, sporting events, lectures, receptions and much more: that's what this year's Homecoming had on offer. A sold-out Alumni Dinner paid tribute to this year's Dalhousie Alumni Association Award recipients (see p. 36), with local precision drum corps Squid making an appearance to close out the evening. There was a full house for the reunion lunch, with alumni from the classes of '03, '88, '73, '68, '63 and '53 reminiscing and catching up. We installed our 11th president, Dr. Richard Florizone (see p. 6) and had university leaders from across the country and around the world attend to help celebrate. The festivities ended with lobster and a Tigers' victory on the football field. Thank you to everyone who helped make Homecoming '13 a success!



LEFT, attendees enjoy catching up at the reunion lunch. Top, Dr. Richard Florizone, Dal's new football ops. ABOVE, students and alumni enjoy the lobster tailgate party. RIGHT, more food at the Faculty of Engineering smoker event. BELOW, fun at the photo booth.



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Her first attempt was a heavily researched historical novel. “Can you write something else?” asked an editor who liked her writing but didn’t feel the manuscript was a fit for her publisher.

SPOTLIGHT

Body of Work

For novelist Pamela Callow (LLB’91, MPA’94), figuring out where to hide the corpse is all in a day’s work

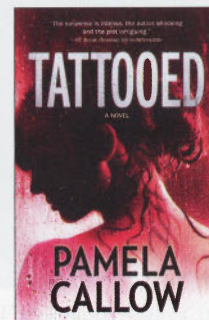
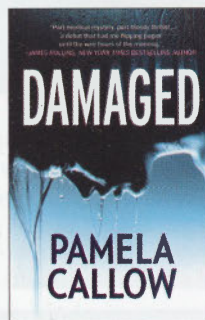
I had a lot of fun figuring out what a bog would do to a body,” says Pamela Callow (LLB’91, MPA’94) with a laugh. “The experts I consulted were intrigued as well.”

It’s a surprising question for a lawyer turned public policy consultant to be researching—but less surprising for a public policy consultant turned novelist. Callow has written three mystery novels and while the connection to her legal background is evident, she’s just as proud of the public policy issues she’s explored in her books: the regulation of bio-medical devices, the experiences of the wrongly accused and the right to die movement. They are issues informed by her education in law and public administration, featured in books that benefit from the research skills she developed as a student, lawyer and consultant. “I’m very focused and disciplined when I write,” she says. “I think anyone who pursues an advanced degree has to have those skills.”

Callow calls herself an “accidental thriller writer.” It was the early 2000s. She had been working as a freelance consultant after the Halifax office of her former employer, Accenture, closed. With two small children at home, though, juggling intense work assignments and family life was proving challenging. She decided to take time away from work until her girls reached school age, thinking as well that this would be a good opportunity to give her dream of becoming a novelist a shot. She signed up for writing courses and started deconstructing novels she liked, charting their plot points and character development.

Her first attempt was a heavily researched historical novel. While there was some interest from publishers, no-one committed to signing her on. “Can you write something else?” asked an editor who liked her writing but didn’t feel the manuscript was a fit for her publisher. Callow said yes, and lawyer Kate Lange was born.

While the rejections were difficult (Callow’s first novel remains unpublished) “I almost feel badly for people who are successful



Novelist Pamela Callow calls herself an “accidental thriller writer.” Her heroine, Halifax lawyer Kate Lange, is featured in three novels, including *Damaged* and *Tattooed*.

right out of the gate,” she says. “You need the rejection and the critiques to make you a better writer and to thicken your skin.” Her current agent first rejected her—with a form letter—before taking her on based on her first published novel, *Damaged*. “If your book does get published, eventually it will be out there being judged by everyone, so you need to be able to handle rejection and criticism.”

Damaged was followed by *Indefensible* and *Tattooed*. Callow is proud to have convinced her editors to let her set her books in Halifax, when the temptation might have been to locate them in an anonymous American coastal city. “One publisher rejected *Damaged* because it was set in Halifax—but then approached me after the book came out to see if I’d sign with them.”

But why the decision to rename Dalhousie University as Hollis University? “I get asked that a lot!” she says. “I struggled with it, but decided to change the name because there’s a university researcher in the first book who does something unethical, and I didn’t want to denigrate Dal because I know how ethical Dal’s researchers are.”

With three Kate Lange mysteries under her belt, Callow is returning to historical fiction, with her next novel featuring an abolitionist heroine born in the late 18th century. Will she come back to Kate? “I plan to,” she says. “I carry these characters around in my head. And I don’t think Kate’s story is finished yet.” —Kim Pittaway

**MARK MCKIEL
(BENG'02)**

SAYS: Dr. Adam Bell and Dr. Ted Hubbard both were significant influences. Both professors had the knack to drive us to think and question whether what we did made sense—a key concept for young minds.

**MELANIE MOORE
TAPSON (MSC SLP'13)**

SAYS: My husband Brad Tapson (BEDS'11, MArch'13) influenced me for the better every day we were both working on our Masters degrees together at Dal. He reminded me not to lose sight of my own passion.

YOU SAID

Who at Dal influenced you for the better?

AYLA MCKAY (BA'12)

SAYS: Professor Liesl Gambold brought anthropology into my life, opened my eyes to feminism and had a huge influence on the way I think about my world.

AHTER EZGI TEKIN (BA'06)

SAYS: Dr Julian Hermida, Department of Sociology. He is one of the most kind-hearted persons that I have ever come across in Canada. Not only was he a great lecturer but he was a great friend to all of his students. As an overseas student at Dal and now a PhD student who is only a step away from an academic career, he is my role model.

NEXT QUESTION: AS DAL LOOKS TO ITS FUTURE, WHAT ASPECTS OF ITS PAST SHOULD WE ENSURE WE CARRY FORWARD? Email your suggestions to editor@dal.ca. Your submissions may be edited for length.

**KEVIN MACNEIL
(BCS'99) SAYS:** Dr. Norm Scrimger was the most amazing Comp Sci prof at the school. He made learning fun and challenging.

DALE STEPHENSON (BCD'10)
SAYS: Professor Douglas Pitcairn; ARC 1200, Science of the Built Environment. Best prof I've ever had! Taught us to keep our minds free of stressful clutter caused by media, news and the side effects caused by the fast-paced world we live in today. He said to go outside every once in a while, lay on the grass and stare aimlessly at the clouds and try not to think about anything. This will rejuvenate your mind, relax you and exploit your imagination!

DEBRA BARRATH (MN'00) SAYS: Drs. Gail Tomblin Murphy and Jean Hughes taught us to dream big, attain the highest professional standards and reach further than we ever imagined to transform health, the health professions and health care. They demonstrated transformational leadership in their relationship with me and those with whom we worked. More than a decade later, they are still role models and my favorite mentors.

“My mother was a very good student and she was really ahead of her time,” says Campbell. “She was extremely bright and she still has an unbelievable memory and outstanding academic abilities.”

DONOR PROFILE

Honouring Mom and Dad

Greg Campbell (MBA'78) says the decision to honour his parents, pharmacists Malcolm and Ailene Campbell, with a pharmacy bursary in their names is the best giving decision he's ever made

With both parents pharmacists—not to mention a grandfather, an uncle and a younger sister—Greg Campbell (MBA'78) often comments that he didn't get the Campbell pharmacy gene. But Campbell did get early exposure to some terrific role models. “My parents were medical people and healers,” says Campbell. “My dad was a medic during World War II and both my parents practised as pharmacists for their entire careers.”

So when it came time to start thinking about paying it forward, Campbell says he wanted to do something that would honor his parents, while also giving back to the people of Pictou County, where his mother Ailene grew up.

The Malcolm and Ailene Campbell Bursary in Pharmacy accomplishes both those goals. Established with a gift of \$25,000, the fund is intended to provide financial assistance to a qualified Pictou County student entering Dalhousie's pharmacy program. The first awards are expected to be announced during the 2013/2014 academic year.

Malcolm Campbell (1920-1995) and Aileen (McKenna) Campbell graduated from Dalhousie Pharmacy in 1951 and 1950 respectively. It was a time when women were under-represented in the industry. “My mother was a very good student and she was ahead of her time,” says Campbell. “She was and is extremely bright and she still has an active mind and a good memory.”

Growing up in Halifax not far from the Dalhousie campus, Campbell and his six siblings were attuned to the importance of education. “I don't recall my parents ever pushing academics; it's just something that we were naturally inclined to do,” says Campbell. “We were very fortunate to live in a neighborhood with such great schools and universities.

“This is the best giving decision I ever made,” says Campbell. “My mother is thrilled to be involved and excited that the bursary program will benefit both Dalhousie Pharmacy and Pictou County.”

—Joanne Ward-Jerrett



“My parents were medical people and healers,” says Greg Campbell (MBA'78), below, of his parents, Ailene and Malcolm (left). Both parents graduated from Dal's pharmacy program. Greg Campbell has established a bursary in their names.



TOP: SUPPLIED BY FAMILY; BOTTOM: BILL PETRO PHOTOGRAPHY

CLASS NOTES

1950s

'53

PETER POWER, DEngR (NSTC), BSc (NSTC), BEng'55 (NSTC), is semi-retired and working as a consultant. Peter is grateful that his education at Dal-NSTC prepared him well for a rewarding career in the steel wire and rod industry and with skills that are still in demand.

'56

SCOTT JAMES, DEng, BEng'58 (NSTC), moved to Grand Falls, N.L. after graduation and made a career in the paper mill industry. He retired in 1990 and a few years later the mill shut down. Since then, Scott has embarked on a second career as a volunteer, developing a walking trail and contributing to environmental improvements in the community. He is responsible for seven kilometres of accessible trails and seven kilometres of improved hiking trails around ponds and wetlands. He is enjoying retirement. Visit his website: www.corduroybrook.org.

'57

ANDREW NICHOLAS, BEng (NSTC), holds the distinction of being the NSTC's first First Nations grad from any engineering program offered by the college. Over the years, Andy has worked for a number of First Nations communities, both in the Atlantic region and internationally. He still does some consulting for the New Brunswick Micmac North Shore District Council, the Mawiw Council of First Nations, and the Atlantic Policy Congress in Cole Harbour. Andy continues to live on Tobique First Nation in New Brunswick and is active with Negutkook Elders.

1960s

'61

GUNTER DLUGOSCH, BEng (NSTC), retired from Newfoundland and Labrador Hydro as director of generation operation in 2001, having worked there for 35 years. He is enjoying retirement and has been living in Mount Pearl since 1975. He still enjoys traveling and spending time at his family cottage in Appleton on the Gander River. He also takes great pleasure in watching his nine-year-old grandson grow up.

1970s

'73

JAMES STEWART, BEng (NSTC), has been working as a consultant engineer in the Maritimes since 2001 and was lucky enough to have his son, Corey James Stewart, graduate from Dal in 2012 with his mechanical engineering degree. Cory and James are currently applying their trade throughout Nova Scotia, P.E.I., and northern Labrador.

REV. DR. DAVID SUTHERLAND, BComm, has been elected as the Moderator of the 2013 General Assembly of The Presbyterian Church in Canada. He will represent the church nationally and internationally for the year.

'74

DAVID FRANK, MA, PhD (History)'79, has a new book out. *Provincial Solidarities: A History of the New Brunswick Federation of Labour* is published by Athabasca University Press in Edmonton. The book was published simultaneously in French under the title, *Solidarités*

TOP 5 BESTSELLING BOOKS OF 1965 (FICTION)

1. *THE SPY WHO CAME IN FROM THE COLD*, JOHN LE CARRE
2. *HERZOG*, SAUL BELLOW
3. *THE MAN*, IRVING WALLACE
4. *THE RECTOR OF JUSTIN*, LOUIS AUCHINCLOSS
5. *CANDY*, SOUTHERN AND HOFFENBERG

Source: The World Almanac and Book of Facts 1966 (listed according to frequency of citation in best-seller reports)

provinciales : Histoire de la Fédération des travailleurs et travailleuses du Nouveau-Brunswick.

ANNE E. GREENE, BSc, MSc'79, has published a book called *Writing Science in Plain English* (University of Chicago Press). The small book was written to help scientists from every discipline and at all stages of their careers improve their writing so readers can understand them. She was motivated to undertake the project because she believes that few scientists receive training in how to write clearly and concisely, and much scientific literature is written in a way that makes it hard to read and understand. Anne has lived in the United States for over 20 years now; however, she was born and raised in Halifax, N.S. and has fond memories of her days at Dal.

'75

D. ALAN JONES, MBA, and his wife Glenda are the recipients of the 2013 Cultural Volunteerism Award for the town of Mississippi Mills in Ontario. The award recognizes individuals or organizations that have made an impact on the arts and culture of the community.

'77

RICHARD GIBSON, BME, now works as a full-time professor of theory and composition at the University

of New Brunswick (UNB). This past March, he had his music featured at the Moncton Wesleyan centre as part of the university's 50th-anniversary celebrations. The all-Gibson concert presented five contrasting works, involving 80 performers in total. The works performed included his oratorio, *Op.60 Poème du mois de juillet 1982*. Richard believes that his years at Dal, where he had his first performances under the tutelage of Dr. Steve Tittle, and his first teaching experience as an assistant to Dr. Dennis Farrell, have been essential to his development, both as composer and as university professor.

'79

DR. COLLINS PARKER, LL.M., has a new book out. *Labour Law in Namibia* is a comprehensive work on Roman-Dutch common law on the master-and-servant employment relationship, as modified and developed by statute law.

1980s

'81

ALOISIUS LOUIE, PhD (Mathematics), has had his new book, *The Reflection of Life: Functional Entailment and Imminence in Relational Biology*, published by Springer New York. The book will serve researchers

and graduate students in mathematics and biology.

'83

DAVID HALEY, DEngR (TUNS), BEng'85 (TUNS), was appointed environmental engineering manager, SNC-Lavalin Inc., Lower Churchill Project, St. John's, N.L.

'87

MARIAN PERKINS, BSW, was honoured by Saint John Beta Delta Phi when they named her their 2013 Lady of the Year. Marian was recognized for her volunteer work, especially her work with less fortunate women. She played an important role in starting the Elizabeth Fry Society of Saint John, which provides support for disadvantaged women.

DR. CARMAN

GIACOMANTONIO, BSc, PGM'97, MSc'98, has been presented with the Order of Italy and is thereby honoured as a Knight of the Italian Republic. The award was presented to him in recognition of his role as chief medical director of Cancer Care Nova Scotia and for his outstanding role as a clinician, researcher, educator and community leader. Dr. Giacomantonio has always been very proud of his degree and training from Dalhousie and he keeps close to him his memories and experience that he gained from his time here.

'88

CHARLENE RIPLEY, LLB, was appointed executive vice president (EVP) and general counsel of Goldcorp. Inc., headquartered in Vancouver, B.C. Charlene's position became effective on April 1, 2013. Her most recent position was senior vice president and general counsel at Linn Energy in Houston, TX. She brings 25 years of experience to Goldcorp.

1990s

'90

HELEN (WEIR) SPINNEY, BScN, and her husband, Alan, will be opening their first gallery exhibit at the Moncton City Gallery in Moncton, N.B. in October 2013. Helen continues to work in nursing as a staff educator at the Moncton Hospital and Alan is manager of the art and sound department at Spielo International. They invite you to visit the exhibit and view their works at helenalanspinney.com and helenalanspinney.wordpress.com. They can be reached at spinneyha@rogers.com.

'92

JENNIFER NIEMI, BA, has received the BlogPaws Nose-to-Nose Best Blog Writing Award for *Nerissa's Life*, authored by Jennifer's cat, Nerissa. The BlogPaws annual conference held in Virginia in May included the awards ceremony. Read Jennifer's blog online: www.NerissasLife.com, and visit the BlogPaws website for more information on the awards: www.blogpaws.com.

'93

ANNE-MARIE WOODS, BA, received this year's Harry Jerome Award for Excellence in Entertainment in April. The award recognizes and honours excellence in African Canadian achievement.

2000s

'05

KIRSTY BRUCE, BEDS, MARFP'07, founded **bruceSTUDIO** in 2011 and has been working within Toronto's neighborhoods since. Kirsty launched the practice in order to renovate and add to her 1870s laneway house, after spending the last three years at **ERA Architects**. **Jordan Winters** (BEDS'05, MARFP'07), joined the practice one year later, coming from **Shim-Sutcliffe Architects** and **AGATHOM Co.** in Toronto. Together, they have completed their first round of commercial and residential projects that range from interior renovations, new additions and designed landscapes.

1993'S OSCARS AND GENIES

OSCARS

BEST PICTURE: UNFORGIVEN CLINT EASTWOOD, PRODUCER
BEST ACTOR: AL PACINO IN *SCENT OF A WOMAN*
BEST ACTRESS: EMMA THOMPSON IN *HOWARD'S END*

GENIES

BEST MOTION PICTURE: THIRTY-TWO SHORT FILMS ABOUT GLENN GOULD NIV FICHMAN
BEST ACTOR: TOM MCCAMUS IN *I LOVE A MAN IN UNIFORM*
BEST ACTRESS: SHEILA MCCARTHY IN *THE LOTUS EATERS*



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IN MEMORIAM

PHYLLIS (SKEEN) ROSS,
BA'31, Halifax, N.S., on June
26, 2013

**WAYNE BERTHA (MCKIE)
LORWAY,** BA'34, BCom'35,
Sydney, N.S., on June 8, 2013

JAMES PHILIP DUMARESQ,
DEngr'37, BEng'39, DEng'95,
Halifax, N.S., on May 22, 2013

LESLIE BLAKE MACHATTIE,
BSc'37, MSc'39, Rockcliffe,
Ont., on June 21, 2013

RONALD F ROACH,
AGFY'39, Amherst, N.S., on
June 5, 2013

**JOAN MARGARET
(CUNNINGHAM) WHALLEY,**
BA'40, Ottawa, Ont., on April
15, 2013

**DONALD SELLERS
MACKEIGAN,** BA'40, BSc'41,
MD'44, Dartmouth, N.S., on
July 6, 2013

**GRAHAM ALWARD
BENNETT,** DEng'43, BSc'43,
BEng'45, Guelph, Ont., on
July 24, 2013

BORIS LIONEL FUNT, BSC'44,
MSc'46, West Vancouver,
B.C., on April 18, 2013

**IRWIN MACKAY MURRAY,
MD'44,** Halifax, N.S., on May
26, 2013

**VICTOR MACLEOD
WOODROFFE,** BEng'45,
Halifax, N.S., on April 30,
2013

WILLIAM KEVIN AHERN,
BEng'45, Halifax, N.S., on
June 1, 2013

JAMES EDWARD REARDON,
BEng'46, Halifax, N.S., on
June 17, 2013

EDITH (HAWKINS) MINGO,
BA'47, MSW'82, Halifax, N.S.,
on May 26, 2013

**GEORGE CARLYSLE
KING,** DEng'48, BEng'50,
Dartmouth, N.S., on April 26,
2013

RICHARD HARRY W HILL,
BSc'48, DED'50, BEd'51,
Dartmouth, N.S., on July 3,
2013

GEORGE NOEL MILFORD,
MSc'48, Waynesboro, Va., on
July 16, 2013

**DONALD FRASER
CAMPBELL,** BComm'48,
North Vancouver, B.C., on
August 13, 2013

JOHN WILLIAM BUSTIN,
BComm'49, North York, Ont.,
on May 29, 2013

C DONALD CHIPMAN,
BSc'49, MD'53, Peabody,
Mass., on June 13, 2013

**WILLIAM THOMAS
WINDELER,** BEng'49,
Guysborough, N.S., on July
1, 2013

**DONALD CLEVELAND
TIBBETTS,** DEng'50,
BEng'52, Halifax, N.S., on
April 20, 2013

ARTHUR HOWARD SHEARS,
MD'50, Halifax, N.S., on May
22, 2013

**BRUCE LAWRENCE
BOWDEN,** BSc'50, DDS'57,
St. John's, N.L., on May 26,
2013

G WILLIS COCK, FRC'50,
Address Unknown, on May
28, 2013

HEDLEY STEWART OGILVIE,
BEng'50, Amherst, N.S., on
May 31, 2013

BERYL JOYCE FARMER,
LCMUS'50, San Diego, Calif.,
on June 7, 2013

DAVID ALEXANDER GASS,
MD'52, Moose Jaw, Sask., on
June 2, 2013

ERIC BIGH KINSMAN,
LLB'52, Kinderhook, N.Y., on
June 26, 2013

ROBERT GEORGE ACKMAN,
MSc'52, LLD'00, Dartmouth,
N.S., on July 16, 2013

DAVID THOMAS JANIGAN,
BSc'52, MD'57, Halifax, N.S.,
on August 3, 2013

**JANET FAIRLIE (ROPER)
MURPHY,** BA'55, BEd'56,
Liverpool, N.S., on June 30,
2013

**MALCOLM STANFORD
MULLEN,** DPhrm'58,
Weymouth, N.S., on May 13,
2013

ISAAC BONIUK, BSc'58,
MD'62, Clayton, Mont., on
August 1, 2013

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JUDITH KATHLEEN BRANNEN, BA'59, Fredericton, N.B., on April 19, 2013

RUTH VALENTINE MCLEESE, MD'59, Hampton, N.B., on July 4, 2013

HOWARD GEORGE THISTLE, MD'60, New York, N.Y., on July 8, 2013

MARY ANNE GAIL STARRAK, BA'62, BEd'63, Halifax, N.S., on July 12, 2013

BRENDA ELIZABETH (BARRETT) GILLARD, DTSN'64, Glace Bay, N.S., on April 16, 2013

JUDITH ANNE (MARSH) CODY, DDH'64, Windsor, N.S., on July 12, 2013

ERIC KEITH DEAN, BCOM'64, Truro, N.S., on July 14, 2013

BARBARA JANE (MACDOUGALL) BARRETT, DPH'66, Wolfville, N.S., on June 9, 2013

BARBARA ELIZABETH DEXTER, DPH'66, Liverpool, N.S., on June 22, 2013

ROY EMIL ENGLUND, MD'67, Halifax, N.S., on May 26, 2013

IRA DAVID ABRAHAM, BSc'67, MSc'70, North York, Ont., on July 28, 2013

PETER FRANCIS STIRLING, DDS'68, MSc'76, Dartmouth, N.S., on June 16, 2013

RONALD CLAUDE WATERS, BEng'69, NDA'73, Orleans., Ont., on May 4, 2013

VINCENT PATRICK AUDAIN, MD'69, LLD'06, Halifax, N.S., on May 12, 2013

FRANK JOHN POWELL, LLB'69, Halifax, N.S., on June 12, 2013

DONALD CARLETON MACMAHON, BA'69, Calgary, Alta., on July 7, 2013

Owen Woodrow McGinn, BA'70, Ellershouse, N.S., on April 14, 2013

SUSAN MARGARET STEWART, BEd'70, Halifax, N.S., on July 14, 2013

JANE STOPFORD PURVES, BA'72, Halifax, N.S., on June 1, 2013

CAROLE ANN HETHERINGTON, BA'72, Halifax, N.S., on July 6, 2013

JOAN MARGARET (BURNS) BURGWIN, BA'73, LLB'76, Pickering, Ont., on April 29, 2013

HEATHER CATHARINE MARTELL, BA'74, BEd'74, Halifax, N.S., on April 14, 2013

ALFRED YETTER, BENG'74, South Porcupine, Ont., on June 10, 2013

BURNLEY ALLAN JONES, BA'74, LLB'92, Halifax, N.S., on July 29, 2013

MARION RUTH HAVILAND, BA'74, DPA'78, MPA'80, Halifax, N.S., on August 9, 2013

MARK KEVIN TUFTS, BComm'77, Dartmouth, N.S., on April 11, 2013

RICHARD MELBOURNE BONE, BA'77, Dartmouth, N.S., on April 16, 2013

GORDON WILBURN SEABRIGHT, LLB'78, Mount Pearl, N.L., on May 14, 2013

PAUL BEVAN TEMPLE, MBA'79, LLB'79, Waterloo, Ont., on May 1, 2013

KEVIN ANDREW COADY, MD'79, Prattville, Alta., on August 2, 2013

JOHN MAX MACLEOD, BEng'81, Peace River, Alta., on June 6, 2013

MARY COLLEEN KIBERD, BN'81, MN'03, Halifax, N.S., on July 3, 2013

CHARLES CLIFFORD ANDERSON, MD'83, Upper Tantallon, N.S., on May 11, 2013

FRANK EDMOND KENNEDY, BEng'87, Unknown Address, on July 23, 2013

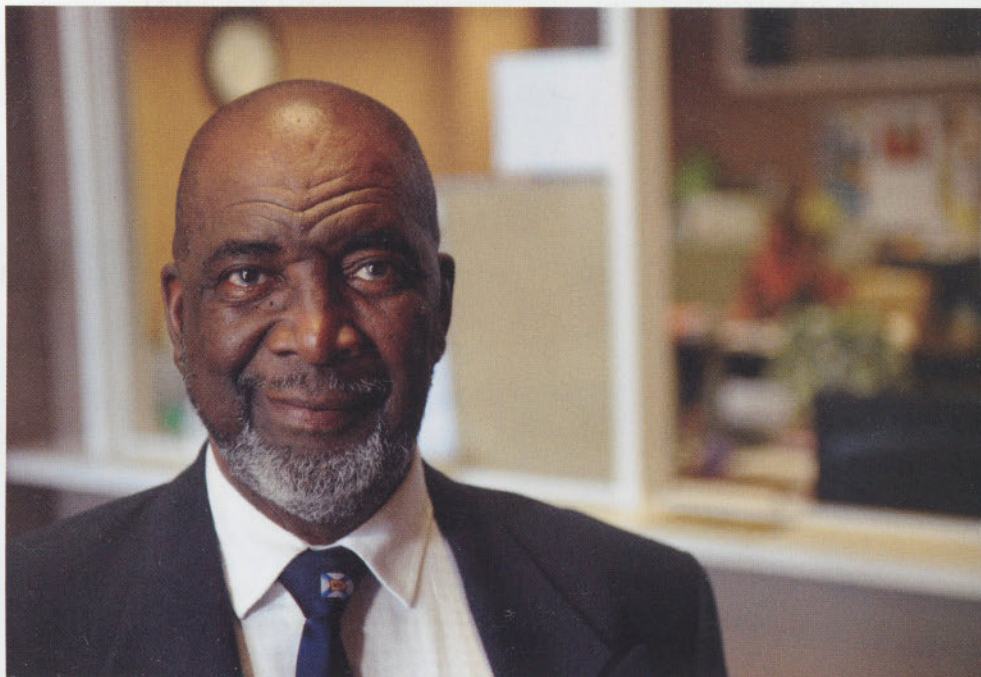
CLAIRE LOUISE MULVEY, BSc (Agriculture)'88, Hampton, N.B., on June 10, 2013

FRANCES CAITLIN MCGUIRE, BA'08, Chester, N.S., on June 28, 2013

To submit a Class Note or an In Memoriam notice, please email alumni.records@dal.ca.

The Schulich School of Law and Dalhousie University community were deeply saddened by the sudden passing of Burnley “Rocky” Jones (BA’74, LLB’92, LLD’04). We have lost a champion of education and a great friend.

IN MEMORIAM



As one of 10 children growing up in Truro, Burnley “Rocky” Jones knew the strength of community and spent his life working to empower those who did not yet know their own strength. His social activism began in the peace and civil rights movements of the 1960s. Described as a “fierce champion of racial equality and justice” when he was named to the Order of Nova Scotia in 2010, his mission was one of education, peace, human rights and the development of a just society open to all persons, regardless of race, colour, creed or economic standing. He was a founding member of The Black United Front of Nova Scotia, the National Black Coalition of Canada, the African Canadian Liberation Movement, the Nova Scotia Project and Kwacha House, to name just a few.

His leadership in the community was instrumental in founding two programs at Dalhousie: the Transition Year Program, designed to redress educational inequities faced by members of First Nations and African Canadian communities, and the Indigenous Blacks and Mi’kmaq

Initiative, established to reduce discrimination by increasing the representation of Indigenous Blacks and Mi’kmaq in the legal profession. “The Transition Year Program wouldn’t exist without Rocky’s advocacy, action and knowledge,” says director Patricia Doyle-Bedwell. Rocky received his BA and MA in history, and was part of the first graduating class of the Indigenous Blacks and Mi’kmaq Initiative. He went on to found his own law firm and in 1997, successfully argued the ground-breaking case *R v RDS* before the Supreme Court of Canada, which set a precedent for race-related litigation and contextualized judging.

“Rocky has contributed to the local, national and international struggle for Black rights,” says Dr. Afua Cooper, James Robinson Johnston Chair in Black Canadian Studies. He was the recipient of a long list of community honours recognizing his contributions.

“Dr. Jones’ work to improve all of our lives, and to show us our own worth and dignity, cannot be measured,” says Michelle Williams, director of the Indigenous Blacks and Mi’kmaq Initiative.

DAL DNA: INNOVATION

From new approaches to teaching to ground-breaking research and products, Dalhousie University has been innovating from its earliest days. By Jane Affleck (BA'00)

1912

The Faculty of Dentistry offers the first dental program in Atlantic Canada.

1973

Chemical researchers in the Trace Analysis Research Centre make significant contributions to a major problem of our time—using spectroscopy to detect and measure environmental impurities at levels less than one part per million.

2007

A team of forward-looking professors from diverse disciplines found the College of Sustainability, and the Environment, Sustainability and Society program, the only program of its kind in Canada and one of only two in North America.

1870

The Faculty of Medicine, opened in 1868, launches the first full medical program in Atlantic Canada, with the first class graduating in 1872.

1927/1928

A new School of Fisheries—the first of its kind in Canada—receives inaugural federal funding to equip a Marine Biological Laboratory in Eastern Passage.

1973

Only two years after launching Dalhousie Legal Aid Service, law faculty and students introduce an innovative service for inmates at Dorchester Penitentiary.

1990s

Dr. Jock Murray founds the Medical Humanities program, transplanting a humanist ethos into medical education, so doctors-to-be acknowledge both patient and disease.

2009

Unique in Canada, the Faculty of Management's Corporate Residency MBA program is launched. The following year, *European CEO* magazine touts the faculty as the most innovative business school in Canada.

2013

The Social Media Lab officially launches, creating a collaborative hub for researchers to gather data about the impact of social media on communication and knowledge sharing—and how modern society is changing as a result.

The Institute for Big Data Analytics launches, bringing together researchers interested in technologies that help people manage—and meaningfully apply—the enormous amounts of data created in our “information age.”

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No purchase necessary. Contest open to Canadian residents who are the age of majority in their province or territory of residence as of the contest start date. Approximate value of each prize is \$1,000 Canadian. Chances of winning depend on the number of valid entries received by the contest deadline. Contest closes Thursday, December 5, 2013, at 11:59 p.m. ET. Only one entry per person accepted. Skill testing question required.

THIS FAMILY BLOODLINE RUNS BLACK AND GOLD

For the Frasers, Dalhousie is more than a university. It's family. For three generations, a member of Dr. Fraser's family has attended Dal. It's in their blood. And to celebrate, the Frasers and proud Dal alumni everywhere turn to the Dalhousie Bookstore. Make it a part of your family tradition.

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