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05/

New finance minister faces tough challenges

Carlos Leita, BA'79, might have the toughest job in Quebec. He has to steer the province's wobbly finances to surer ground. A newcomer to politics, he says he owes McGill a debt of gratitude.

BY GARY FRANCOEUR



14/

Feeling entrepreneurial

A new generation of budding business leaders is emerging and they aren't interested in punching somebody else's time clock. Some aren't even waiting to complete their degrees before launching their startups.

BY PATRICK McDONAGH



22/

A long way from home

The MasterCard Foundation has a \$500 million plan to foster some of Africa's future leaders. Eleven of those future leaders just finished their first year of studies at McGill.

BY PATRICK LEJTENYI, BA'97, AND NEALE McDEVITT



26/

Out of the classroom and into the rainforest

Climate change expert Catherine Potvin doesn't believe that students can fully appreciate the complexities involved in international environmental issues from a lecture hall in Montreal. That's why she takes them to Panama for a semester.

BY HANNAH HOAG, MSC'99



32/

En mission spéciale pour la science

Astronaute en chef du Canada de 2000 à 2007, elle a effectué deux vols dans l'espace et participé activement à la mise sur pied et à l'exploitation de la Station spatiale internationale. Aujourd'hui aux commandes du Centre des sciences de Montréal, Julie Payette continue de se consacrer à l'avancement du savoir en rapprochant la science du public.

PAR DAVID SAVOIE



36/

The Main is her muse

Heather O'Neill, BA'94, the author of the smash hit *Lullabies for Little Criminals*, revisits the once sketchy lower stretch of St. Laurent Boulevard in her newest novel. This time, her protagonist is the 19-year-old daughter of a narcissistic Québécois music icon.

BY JULIET WATERS

McGill News

03 EDITOR'S NOTEBOOK 04 PRINCIPAL'S PERSPECTIVE 05 NEWSBITES 09 DISCOVERY 21 ALUMNI PROFILE
36 REVIEWS 38 ALUMNI ACTIVITIES 40 ALUMNI PROFILE 41 ALUMNOTES 52 IN MEMORIAM 56 MCGILL MOMENT

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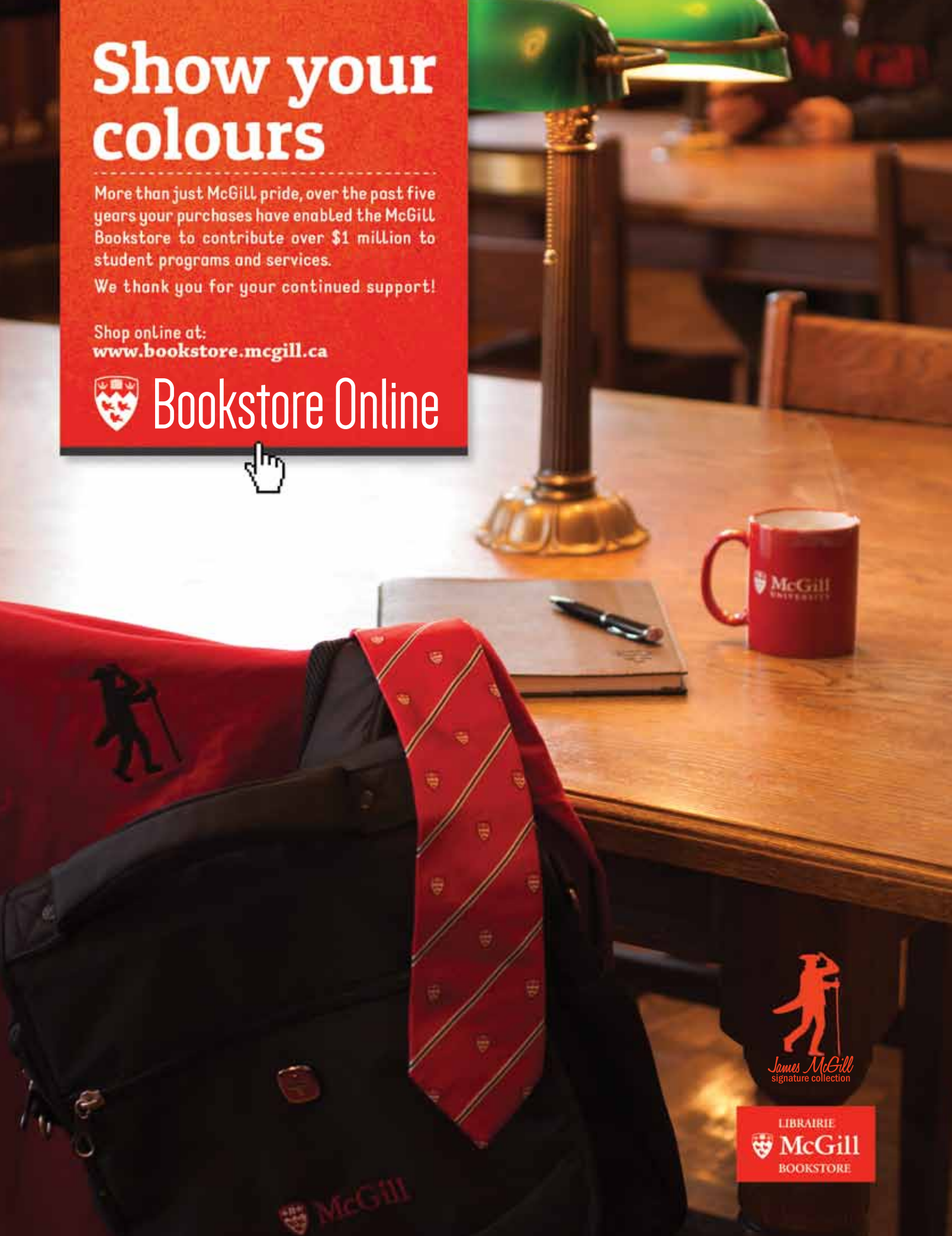
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EDITOR

Daniel McCabe, BA'89

CONTRIBUTING EDITOR

Julie Fortier

**DIRECTOR OF COMMUNICATIONS
DEVELOPMENT & ALUMNI RELATIONS**
Derek Cassoff

PROOFREADING

Karine Majeau
Jennifer Nault

ADVERTISING

Christina Barile / Tel.: 514-398-6043

EDITORIAL ASSISTANTS

Christina Barile
Annika Robbins

ADVISORY BOARD

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Derek Webster, DipEd'94
Marc Weinstein, BA'85, BCL'91, LLB'91

DESIGN

Steven McClenaghan, Graphic Design
Communications and External Relations

MCGILL NEWS

1430 Peel Street
Montreal, QC, Canada H3A 3T3
Tel.: 514-398-5000 / Fax: 514-398-5293
Email: news.alumni@mcgill.ca
Web: publications.mcgill.ca/mcgillnews
Twitter: @McGillNewsMag

McGill News is published by
McGill University

Circulation: 75,000 copies
Printed in Canada ISSN 0709 9223

Canadian Publications Mail Product
Sales Agreement No. 40613661

Cover photo of entrepreneurial
alumni Omer Dor, Stéphanie Brisson and
Sophie Boulanger by Will Lew



We're international. So what?



Scroll down to the bottom of McGill's homepage and you'll come across this bold declaration: "Canada's most international university."

Almost 20 per cent of McGill's students come from other countries and that ranks as the highest percentage of international students among Canada's top research universities. McGill alumni now reside in about 180 countries.

Clearly, the University takes pride in its international characteristics. But why? What's the big deal? Hopefully, a pair of stories appearing in this issue will supply at least part of the answer. The articles complement one another nicely.

One story focuses on the first group of 91 students from Africa who will be attending McGill as part of a \$500 million initiative created by the MasterCard Foundation. Some of these students have rarely ventured far from their villages or cities before arriving at McGill. Many had never been on an airplane.

The other article looks at a unique program that offers McGill students the opportunity to spend an entire semester in Panama, immersed in the environmental and cultural fabric of that country. According to its creator, Professor Catherine Potvin, the students who participate in the Panama Field Study Semester learn "at all levels of their cells." It's an uncommon program, but it's not one-of-a-kind – similar field study semesters exist at McGill for East Africa and Barbados. On top of that, McGill has student exchange agreements in place with universities in more than 35 countries.

In each instance, whether the students are coming to McGill from somewhere else, or going somewhere else thanks to McGill, the results are consistently eye-opening. What was once foreign becomes less so. What was once matter-of-factly familiar is viewed in a new light.

McGill students don't necessarily have to travel across an ocean for that to happen. Chances are, they'll share a classroom or two with someone from Barcelona or Bangalore or Brisbane.

In her recent convocation address to new McGill graduates, honorary degree recipient Karen Armstrong, a renowned author and expert on comparative religion, issued a challenge. "One of the chief tasks of our time... must surely be to create a global community where people of all ethnicities and persuasions and ideologies can live together in equity and relative harmony. Unless now we learn to treat all people — whoever they are — as we wish to be treated ourselves, the world is not going to be a viable place."

Young adults who have spent the last three or four years in the company of peers who come from different places, gaining a sense for how life is experienced in different ways, are better equipped to take on that task.

As I write this, McGill is reeling from the loss of two community members who each, in their own distinct way, exemplified an openness to other ways of seeing the world.

Dean of Religious Studies Ellen Aitken championed McGill's Initiative in Globalization and World Religion, an ambitious undertaking designed to probe the interrelationship between the world's religions and globalization.

Rod Macdonald was a longtime law professor and former dean who explored a dizzying array of themes over the course of a remarkably accomplished career. The cause of legal pluralism was particularly dear to his heart and he is widely credited with preparing much of the legal groundwork for Canada's same-sex marriage laws.

They will both be missed greatly.

DANIEL MCCABE, BA'89

A vision for the future



In a March 28 address to the McGill community,

PRINCIPAL SUZANNE FORTIER

shared her thoughts on some of the University's priorities for the years ahead. In a recent exchange with the *McGill News*, Principal Fortier elaborated on some of the points she made in that speech.



CHRISTINNE MUSCHI

You spoke about what you called “the McGill commitment”—placing an emphasis on nurturing the student experience at McGill, both inside the classroom and beyond. Could you tell us more?

Much of the work on this front has already begun. I think McGill is well ahead of many universities in this area and I want us to develop even further.

In recent years, we've been offering our students new options for learning outside their courses. We've increased the number of internships that are available. We have given our undergraduates new opportunities to become involved in the research activities of their professors. It's been an incredibly popular initiative. Students are eager for these types of experiences. And this is an area where our alumni can play a crucial role.

Our graduates work all over the world in every type of profession imaginable. I cannot think of a more impressive group of potential mentors. As we seek out new off-campus learning opportunities for our students, we will rely heavily on our alumni for their ideas and contacts.

The “McGill commitment” would touch on every aspect of student learning. Can we use technology more effectively in the way we teach? Can we help our graduate students gain new skills in areas like management or teaching that would enhance their career options?

You singled out research as an area that we need to focus on. McGill is generally regarded as one of Canada's top research universities. What do we need to worry about on this front?

My concerns are not at all about the quality of the work that goes on here. All the important indicators point to our strengths in this area. But the world outside of academia has essentially moved out of basic research. Many companies have abandoned curiosity-driven research. Even government laboratories are leaving the field to pursue a more commercial orientation.

That means universities will have to do even more of the heavy-lifting in this vital area. And curiosity-driven research is risky by its very nature—you cannot predict with certainty where it will lead. That is why we want to develop a special McGill Seed Fund that will help provide important support for these early-stage research projects.

It's no secret that finding research funding is increasingly challenging for everyone—even for accomplished professors with track records. So, we also need to explore new forms of research partnerships—inside the country and outside. What can the University do to facilitate that process and support our researchers? That's a discussion that we need to have.

One of the more intriguing aspects of your presentation had to do with the Royal Victoria Hospital site and its future use once the new McGill University Health Centre facilities are operational. What do you have in mind?

McGill is located in the middle of downtown Montreal and I do not think it is a secret that we have limited options when it comes to expanding. The Royal Vic is right there to the north of us and there is a longstanding historical connection—it has been a McGill teaching hospital for many decades.

We're developing a proposal for the site's future. What we imagine is this—a win-win situation for McGill, the site and the city. The Royal Vic buildings would go a long way towards solving our spacing challenges, but our approach would benefit Montrealers too. We would increase public access to the mountain, expand the green space that's available downtown and preserve heritage buildings.

I have to emphasize that we are at the very beginning of a conversation that we will be pursuing with different levels of government. It has to make sense for everyone involved. 🐦

To read Principal Fortier's March 28 address in its entirety, visit mcgill.ca/principal/principals-desk/speeches

NEW FINANCE MINISTER FACES TOUGH CHALLENGES



CHRISTINNE MUSCHI

Quebec's new finance minister, **CARLOS LEITAO**, BA'79, has a way with numbers, but the province's faltering economy wasn't the only thing that propelled him into the political fray.

Leitao, who stepped down as chief economist at Laurentian Bank Securities to run in the April provincial election, says he was also concerned with the Parti Québécois' proposed secular charter of values, a polarizing bill with unsettling implications for immigrants and visible minorities.

"I felt that [the PQ government] were heading in a dangerous direction and engaging in very divisive politics," says Leitao, who is himself a Portuguese immigrant. "I said, 'OK, this is it. I need to jump in now.'"

Leitao ran in the Robert Baldwin riding in Montreal's West Island and received more than 87 per cent of the votes. When Premier Philippe Couillard named him minister of finance a few weeks later, Leitao became, arguably, the second most important member of the new Quebec government. No doubt, he'll be dealing with a fellow McGill alum in his new position — federal finance minister **JOE OLIVER**, BA'61, BCL'64.

Leitao described the 33-day electoral campaign as "a rude awakening" to the political process, but he knows the real work will be in trying to right Quebec's teetering financial ship. Of utmost importance, he explains, is to manage the province's public debt and address its rapidly declining labour force.

"When you have a high level of public debt and at the same time a nearly stagnant economy, it can be a recipe for disaster," he says. "We need to find ways to become more efficient and more productive to ensure that economic growth accelerates to offset this demographic shock and manage our large level of debt."

One of the government's priorities, he says, is to introduce a fundamental tax reform package that will simplify the current system and make Quebec a more attractive investment destination for businesses.

The government may also have to make some difficult decisions in terms of spending and plans to conduct an exhaustive audit of all its social programs, Leitao explains.

He came to Canada in 1975 with his family after the Carnation Revolution in Portugal. Though he had been a student at the University of Lisbon at the time, he was unable to take his academic transcripts with him due to the upheaval, and he says McGill was the only university in Montreal willing to accommodate him regardless.

"McGill had a special program in place to help integrate foreign students," he explains.

After completing his BA in economics at McGill, Leitao spent more than 30 years in the financial and banking sectors, working for the Royal Bank of Canada before moving on to Laurentian Bank Securities. In 2008, he was ranked as the world's second best economist by *Bloomberg News*.

Leitao won't be the only McGill graduate sitting around the cabinet table. **GEOFFREY KELLEY**, BA'81, MA'85, is Quebec's new native affairs minister, while **KATHLEEN WEIL**, BA'78, BCL'82, LLB'82, is the new minister of immigration, diversity and inclusiveness.

Leitao says he is eager for the challenges ahead, and he credits his experiences at McGill with providing him with the skills necessary to integrate into Canadian life and to succeed professionally.

"Certainly, everyone knows about the quality of a McGill education, but the fact that it has such an international aspect to it is just as important," he says. "I was put in contact with students from many different countries, which really helped to open my horizons. The fact that McGill was so open to the world — especially at that time — was priceless."

GARY FRANCOEUR

BETTER LIVING THROUGH SCIENCE



“One-sentence summaries to make science relevant to everyday life,” is the one sentence that Jaan Altosaar, BSc’13, chooses when asked to sum up the idea behind his new site. **USEFUL SCIENCE** (usefulscience.org) is an advice-confection factory, designed to help you live life better, smarter and longer.

Altosaar has been building his daily routines on science for years. A study on the benefits of meditation got him sitting in silence

regularly. Another study about seasonal affective disorder resulted in a new SAD lamp to ward off the mood-dampening effects of Montreal’s bleak winters.

Though his friends grew weary of him starting sentences with “Hey, so there is this cool study...,” Altosaar concluded that plenty of people could benefit from the life-improving tips that scientific research produces on a daily basis.

He recruited a team of like-minded peers — most of them are also recent McGill graduates — and started the site. Together, they read and distill peer-reviewed studies. Their rules for picking what to post: it must be accessible. Nothing negative. Stay away from studies with low sample sizes, or findings that might only be applicable to rats. Always aim to be helpful.

The approach is attracting readers — tens of thousands in the first month alone. More than 4,000 subscribe to Useful Science’s email service. And the site has won over at least one high-profile supporter. In a tweet to his tens of thousands of followers, best-selling author Malcolm Gladwell summed up Useful Science in his own quick and to-the-point fashion. “It’s genius.”

SHANNON PALUS, BSc’13

MAKING THE INCREDIBLE MORE PLAUSIBLE

SEBASTIAN ALVARADO, PhD’13, and **MARAL TAJERIAN**, MSc’08, PhD’13, discovered a unique way to combine their scientific careers with their passion for video games. The couple co-founded Thwacke!, a consulting group that specializes in working with video game developers to ensure that the science fiction that’s presented in the games has some grounding in science fact.

Alvarado has a PhD in pharmacology. Tajerian’s is in neurology and neurosurgery. For their Thwacke! work, they collaborate with scientists around the world — many of them fellow McGill graduates — who encompass nearly every discipline imaginable.

Alvarado was working as a play tester for a video game company when he came up with the idea for Thwacke!. “One day I was walking past one of the studio’s lead writers, and I saw that he was looking up DNA on Wikipedia. I thought to myself, ‘I’m a molecular biologist, that’s my thing.’”

One of the firm’s first projects was the role-playing game *Wasteland II*. Thwacke! consultants helped the game’s developers come up with plausible post-apocalyptic scenarios. The expert advice offered dealt with “evolution and radiation sickness, how to handle an amputation [and] ways of creating weapons using the bare minimum of supplies,” says Alvarado.



A scene from Wasteland II

The first game to hit the market featuring input from Thwacke! was *Outlast*, a tense horror thriller set in a mental institution. Tajerian enlisted the assistance of psychiatric experts to help the game’s creators develop more realistic character profiles.

The Thwacke! team recently collaborated with some of the world’s greatest superheroes for one of their latest projects — an interactive exhibition focused on the fictional world of the Avengers that opened up in New York’s Times Square in May.

ERIK LEIJON

THE ENDURING APPEAL OF GILBERT AND SULLIVAN

Fifty years ago, McGill students assembled in Redpath Hall to enjoy a musical production put together by a group of untested undergraduates. Skepticism was in the air: the annual Red and White Revue was a campus institution whose productions had toured nationally. Who were these interlopers?

"It was the recklessness of youth, where you don't even care if it works," recalls Robin Alder, BA'67, the founder of that original troupe of "rag-tag upstarts."

The group's first show — Gilbert and Sullivan's *Trial by Jury* — was a one-off lunch-time performance, with Alder on piano providing the musical accompaniment to a chorus crammed onto a stage so small they could barely move. The Student Union provided funding the following year, and the **MCGILL SAVOY SOCIETY** was officially born. Many student organizations have come and gone in that time — the Red and White Revue has been defunct for decades — but the Savoy Society has gone from strength to strength.

Neuroscience and linguistics student Claire Rollans, who played Katisha in the Savoy Society's recent production of *The Mikado*, credits the timeless charms of the 19th century duo.

"Gilbert wrote it in a way that the jokes could be updated for the times," she says. "And it's just such fun stuff to work with — the music is amazing, the dialogue is hilarious — it draws people in."

Twenty veterans of the original troupe attended the 50th anniversary performance on opening night and Alder flew in from Luxembourg to guest conduct the overture for the second night show.

"We always welcome back anyone who has been part of the society — it's very much like a family in that way," says art history and education student Erika Davis, the society's president for 2013-14. "We have a saying — once a Savoyard, always a Savoyard."

MARK REYNOLDS



At left: McGill Savoyards Erika Davis and Claire Rollans



A FLAIR FOR FASHION

Her creations have been worn by Hollywood stars Emma Roberts, Elizabeth Banks and Emmy Rossum, but fashion designer **TANYA TAYLOR**, BCom'07, says the biggest rush she experiences in her job comes well before a celebrity is spotted wearing one of her outfits.

"For me, the most exciting thing about being a fashion designer is being able to dream up new, and sometimes wacky, concepts and then finding a way to bring them to life," says the bubbly 28-year-old New Yorker, recently selected as one of *Forbes* magazine's Top 30 Under 30 up-and-comers in the world of art and style.

Taylor's namesake label, launched three years ago, features playful, polished pieces whose contemporary shapes are offset by distinctive colour combinations and whimsical embellishments. "I want the clothing I design to be an artful combination of classic silhouettes and lighthearted femininity," says Taylor.

McGill was where Taylor first got a taste for fashion design. As a student, she got involved in a fashion show organized by the Desautels Faculty of Management to benefit AIDS charities. She decided that designing some outfits for the show might be fun. So she bought herself a sewing machine and taught herself how to put clothes together.

She caught the designing bug big-time. After completing her degree, Taylor moved to New York to attend Parsons The New School of Design (*Project Runway*'s Tim Gunn once taught there).

While she clearly thrives on her creative challenges, Taylor says that the management training she received at McGill has been invaluable. "Most days, about 80 per cent of my time is spent on business-related tasks, and the lessons I learned during my four years in finance have helped so much," she says.

LINDA SUTHERLAND

MEET THE NEW CHANCELLOR

MICHAEL MEIGHEN, BA'60, begins his new duties as McGill's 19th chancellor on July 1 and that means the Toronto-based lawyer and philanthropist will have to journey to Montreal on a frequent basis. As far as he is concerned, that's one of the best things about the job.

"I was born and raised here," says Meighen. "I miss this city. The idea of finding myself back in Montreal on a regular basis holds a great deal of appeal."

As the co-chair of Campaign McGill, Meighen played a key role in helping the University raise more than \$1 billion. Meighen was a prominent member of the Canadian Senate for 21 years before retiring in 2012 and once chaired the Senate Standing Committee on Banking, Trade and Commerce. He served as co-counsel on the Deschênes Commission of Inquiry on War Criminals from 1985 to 1987. He is also a former chair of the Stratford Festival.

Two of Meighen's three sons are McGill alumni. "McGill was a great success for both of them," he says. He wants all students to be able to say the same.

"In a large university like this, particularly at the undergraduate level, we have to be vigilant in ensuring that the academic experience for students is all that they hoped for. That should apply to their experiences outside the classroom as well." Meighen and his wife,



CLAUDIO CALLIGARIS

Kelly, donated \$5 million during Campaign McGill to bolster academic advising and other areas related to the quality of student life.

Stuart Cobbett, BA'69, BCL'72, chair of McGill's board of governors, believes Meighen will prove to be a worthy successor to Chancellor Arnold Steinberg, BCom'54, LLD'00. "His warmth and engaging personality immediately put people at ease."

DANIEL MCCABE, BA'89

OWEN EGAN



Participants taking part in February's McHacks competition

HACKMCGILL has a simple message for those who think hacking is only about criminal masterminds cracking security codes.

"Hacking is about expressing your creativity in a technical kind of way," explains HackMcGill co-founder Mohamed Adam Chaieb, a student in software engineering. "It's about doing something from scratch," adds co-founder Sami Jaber, a math and computer science student.

The new student group had a very productive first year, hosting regular HackNights sessions covering everything from artificial

THE HAPPY HACKERS

intelligence to web development, and co-sponsoring a talk that brought one of the tech world's most influential figures, Reddit co-founder Alexis Ohanian, to campus.

The high point, though, was McHacks, a 24-hour hacking competition held in February, that attracted nearly 500 participants from McGill and other universities. It was the first-ever Canadian hackathon to be designated as an official Major League Hacking event, which Jaber refers to as "the NCAA of hacking."

The winning entry involved an app that allowed for difficult computations to be done more quickly by using multiple servers, but Chaieb had a soft spot for a more fruitful innovation. "There was one guy who made a video game controller out of a banana."

"It was a competition, but the main purpose of the event is about mentorship," says Jaber. "We had a lot of experts walking around and helping each other out, even if they were on different teams."

"We feel we made a statement to McGill students, other schools and tech companies that tech and computers at McGill are becoming big," says Chaieb. "We're very excited about growing this community at McGill."

ERIK LEIJON

W. KHAN / LANDOV



THE PARADOX OF PAKISTAN

It's difficult to think of a major global security issue in which Pakistan doesn't play a significant role. From nuclear proliferation to terrorism, from religious fundamentalism to cross-border tensions, Pakistan checks off all the boxes.

But outsiders — even seasoned diplomats — often find the country perplexing. In the so-called “war on terror,” for instance, does Pakistan favour the West or the Taliban?

“Unless you have an understanding of the international politics of the region, you cannot explain Pakistan,” says James McGill Professor of International Relations **T.V. PAUL**. “And unless you understand Pakistan, you won't be able to explain international politics.”

Paul's new book, *The Warrior State: Pakistan in the Contemporary World*, offers some insights into the country's seemingly perpetual instability.

“I wanted to bring out a comprehensive picture of Pakistan's insecurity predicament and its lack of progress in the economic arena. It's a country that deserves more attention.”

Paul believes that one of the principal factors driving developments in Pakistan is what he calls the

“geostrategic curse.” Bordering both India and Afghanistan, the country is firmly positioned in one of the globe's perennial hotspots. As a consequence, Pakistan has long been courted by the major powers since its fractious beginnings in 1947.

And those powers have often been all too willing to overlook the shortcomings of Pakistani leaders. While billions of dollars have been poured into Pakistan in the form of military aid, little of that money has been reinvested in schools, roads or public services.

That money has been pivotal in reinforcing the strength of Pakistan's military, and, in particular, a cadre of about 500 officers that, according to Paul, wields tremendous influence.

Paul says the “hyper-realist worldview” of this elite fuels Pakistan's seemingly contradictory dealings with the Afghan Taliban — supporting and shielding them in some respects, while working with the West against them in others. It's a “double game,” says Paul. On the one hand, Pakistan doesn't want to jeopardize the vast sums of military aid it receives. But it also doesn't want the Afghan state to develop into a regional rival.

And what about Osama bin Laden? Surely the fact that the world's most wanted man turned out to be hiding a mere 500 yards away from one of Pakistan's premier military academies was a devastating black eye for the country's top military officials? Not necessarily, says Paul.

Military leaders pressured the civilian government to protest the U.S. Navy Seal mission that led to bin Laden's death as a violation of Pakistani sovereignty. U.S. informants were quietly rounded up and NATO supply routes into Afghanistan were cut off — a not-so-subtle message that there were costs for making an end-run around the Pakistani military.

Pakistan is far from the only country in the world to be dominated by military officials, but its dependence on foreign military aid and institutional donors such as the International Monetary Fund has had a particularly corrosive effect. “They are able to patch over the deep problems,” Paul says. “As a result, they haven't created the kind of civil society that has been the engine of economic and democratic transformation” in other Asian countries.

While there is no shortage of religious schools in Pakistan — thanks to a flow of money from Saudi Arabia — the educational system isn't producing the kind of workers that the country needs to spur economic development. “There is a lack of innovation,” says Paul.

Paul does see some cause for hope in the new government of Nawaz Sharif, who has pursued negotiations with the Taliban and closer trade ties with India.

“If he can get the military to go along with that process, then he can succeed,” says Paul. “The problem is, we don't know what the military will do.”

JONATHAN MONTPETIT, BA'03

SPARE THE ROD, THINNER THE CHILD?

Up to now, studies on the impact of different parenting styles have been somewhat limited to specific topics, such as risk behaviours in adolescents. Never before has there been in-depth analysis of the link between parenting styles and obesity in children. That gap in existing literature prompted **LISA KAKINAMI**, a postdoctoral fellow at McGill, to lead her own study on the potential connections.

"The link between specific parenting practices and obesity needs to be examined more closely to determine how it impacts children," Kakinami says. "There's a lot to be explored regarding how parenting styles relate to children's health."

For the purpose of her study, Kakinami examined two of the four recognized parenting styles: authoritative, in which parents have a healthy dialogue with their children regarding rules and boundaries; and authoritarian, in which parents establish firm rules, but don't engage in conversations with their children about the reasoning behind their set boundaries.

Preliminary results of the study, which involved 37,000 Canadian children, found that kids of authoritarian parents between the ages of two and 11 are 30 to 37 per cent more likely to be obese than children of authoritative parents in the same age group.

"There's more work to be done, but having this data and conducting further studies will hopefully help us understand what's best for children's health," Kakinami says. "It's an area that certainly merits further exploration and discussion."

MEGAN MARTIN



KEEPING A LANGUAGE ALIVE

When students in a Department of Linguistics field methods class first got involved with **JANINE METALLIC**, BSc(NutrSc)'96, BSc'99, MSc'05, a member of the Mi'gmaq First Nation from Listuguj, Quebec, they didn't realize that they would be in it for the long haul. The goal of the course is to work with native speakers of more uncommon languages to understand the structure of their language. "What made it special was that Janine insisted that whatever students learned from her, they take back to her community. The students took that to heart," says **JESSICA COON**, the assistant professor of linguistics who oversaw the project.

Metallic's mother, Mary Ann Metallic, teaches the Mi'gmaq language in Listuguj, using a program she developed from scratch. "Part of Mary Ann's success is her enthusiasm; she's very dynamic," Coon says. The danger was that she might be irreplaceable. "What happens if Mary Ann wants to retire? So a couple of students spent time living in the community, documenting classes and transforming the material into online language lessons.

"Mary Ann may have a lesson about kinship terms, and the students



figure out how to translate that into an online lesson," Coon explains. "This is not a major language, so there's no real way to get immersed in it. The online exercises offer extra practice outside of the classroom."

The Mi'gmaq language is under threat because of the declining number of speakers. "In Listuguj, there aren't many speakers under 60," Coon says.

Still, there is cause for optimism. "There have been hopeful cases lately of languages with not just a few speakers, but with no speakers, brought back," says Coon. "All it takes is some attention."

RHONDA MULLINS, CertTranslation'05

When you get the flu, it begins with a virus attacking the tissue in your lungs. Most flu treatments target the virus itself, but with so many strains of flu — and new ones evolving quickly — tailoring treatments to each virus becomes a daunting effort. **MAYA SALEH**, PhD'01, an associate professor of medicine and biochemistry, may have discovered a different approach.

Saleh studies an enzyme called cIAP2 that controls when lung cells die naturally — as most normal cells in our body do. With cancer, though, the enzyme is produced at high levels and researchers suspect that this could be a factor in why cancer cells are so resistant to death. As Saleh and her team studied the enzyme, they began noticing that cIAP2 had other important traits. In 2009, they discovered that cIAP2 plays an important role in immunity — raising the concern that cancer therapies targeting the enzyme could end up damaging the body's ability to tolerate infections.

More recently, Saleh's team noticed something else noteworthy about the

NEW WAY TO FIGHT THE FLU



enzyme. Saleh switched cIAP2 off in mice and gave the creatures a small dose of flu virus — small enough that it shouldn't have made them sick. Without the cIAP2, though, their lung tissue quickly submitted to the invading virus. "If we messed with the enzyme, the mouse would die at the slightest flu infection," Saleh says.

Saleh suspects that some people may be particularly susceptible to the flu virus

due to a shortage of cIAP2. She and her collaborators discovered that drug treatments enabled cIAP2-deficient mice to counter the absence of the enzyme, protecting them from influenza. The hope is that a similar approach could also work for humans.

SHANNON PALUS, BSC'13

THE BENEFITS OF CRACKED GLASS

..... People have been producing glass for centuries, but this ubiquitous material remains essentially unchanged from earlier eras. It still shatters if you drop it. But researchers at the Department of Mechanical Engineering are working on a way to make glass much more durable — with inspiration from biological structures. "Nature provides some of the best ideas," says associate professor **FRANÇOIS BARTHELAT**.

Barthelat and his collaborators have produced glass slides that are 200 times sturdier than regular glass. Not only that, they can be deformed and they'll return to their original shape. The researchers achieved this by mimicking the microstructures found in teeth, bone and mollusk shells. Paradoxically, strength can come

from weakness. To be specific, bones and shells often have natural 'weak' boundaries that are essential for their resilience — there is a certain degree of bend before they break.

"Our idea was to attack the problem from a new angle: start with a large block of material with no initial microstructure and carve weaker interfaces within it," says Barthelat, who collaborated with PhD students **MOHAMMAD MIRKHALAF** and **AHMAD DASTJERDI**.

The trio used a laser engraving technique to create three-dimensional arrays of microcracks that resemble the curved edges of jigsaw puzzle pieces. The cracks boost the energy dissipation from an outside shock and limit the size of any fracture.

"Reducing the brittleness of glass can expand the range of its applications:



EDWARD KWONG

tougher bulletproof windows, glasses, sports equipment, optical devices, smart phones, touchscreens," says Barthelat. The team is now applying the approach to ceramics, metals and polymers.

TIM HORNYAK, BA'95

UNMOVED BY MUSIC

Music might have charms to soothe the savage breast, as Congreve put it, but it turns out that some savage breasts are awfully resistant to those charms.

ROBERT ZATORRE, a professor of neurology and neurosurgery at the Montreal Neurological Institute, has discovered that roughly two per cent of the population has a condition that he calls “musical anhedonia.” It means they derive no pleasure from music, whether it’s the latest opus by Ke\$ha, or Beethoven’s Ninth.

Zatorre’s research lab had already demonstrated that music stimulates the reward system of the brain – which also reacts to food, love and sex. But he found himself wondering if the findings on music applied to everybody.

Together with colleagues at the Bellvitge Biomedical Research Institute in Barcelona, Zatorre investigated.

The researchers devised a survey to quantify self-reported enjoyment of music. Some subjects were

then asked to listen to a wide variety of music while the scientists measured their heart rate and nervous system response.

“People who scored very low on our questionnaire essentially flat-lined on the physiological responses,” says Zatorre, adding that they were nonetheless able to determine if the music was meant to be melancholy, inspirational, or foreboding. In other words, they knew what the music was supposed to make them feel.

The same subjects reacted normally to other pleasurable stimuli (namely a gambling game), and showed no signs of illnesses like depression that would impede pleasurable experiences in general.

“Because music is so widespread, in so many different societies, you wouldn’t expect that there would be so many people with a selective issue with it,” says Zatorre.

MARK REYNOLDS



ETHAN RILLY

YOUR CV'S EXPIRY DATE

For academics, the importance of your work is largely measured by citations — other researchers using your paper to further their own ideas.

FABIAN LANGE, an associate professor of economics, can boast the biggest such shout-out of them all: he co-authored a paper on the challenges faced by the long-term unemployed that influenced Barack Obama’s 2014 State of the Union Address. Lange’s study also served as the cornerstone of a speech the U.S. president gave a few days later in the White House.

“It’s very satisfying for your research to have a real-world impact,” says Lange. “On the other hand, the real world takes it and does with it what it wants. It’s a little daunting once it’s out of your hands.”

Long-term unemployment has been a persistent feature of the U.S. economic slowdown. Lange’s paper, originally published in the *Quarterly Journal of Economics*, showed that once someone has been unemployed for six months, the chances of them receiving a callback for a job interview declines by 60 per cent relative to someone out of work for only a month.

The research was as much cloak and dagger as it was number-crunching: Lange and his collaborators created more than 12,000 fake resumes — complete with legitimate phone numbers and email addresses — and sent them out in response to 3,000 job openings.

Overall, the dilemma faced by the long-term unemployed is more pronounced in areas with low-unemployment, where one would expect finding a job to be easier.

“If the job market is doing well, then it’s a bad signal [to employers] if you don’t find a job,” says Lange. “Our research is suggesting that this subconscious screening might be important.”

MARK REYNOLDS



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FEELING ENTREPRENEURIAL

Not content to be somebody else's employee, a new generation of budding business leaders is emerging and they're determined to make their mark on the world.

by Patrick McDonagh

The entrepreneurial dream is powerfully alluring. Create your own company. Define your own means of living. Make your own fortune.

It's a dream catered to by popular shows like *Dragons' Den* and *Shark Tank*, where erstwhile entrepreneurs pitch ideas to a panel of wary investors. It is also a dream pursued by record numbers of Canadians.

According to Statistics Canada and an independent CIBC report, in recent years the country has seen a boom in entrepreneurship through small and medium-sized businesses which contribute almost 30 per cent of Canada's gross national product. Other recent reports by Ernst & Young and McKinsey & Co conclude that Canada is one of the most entrepreneurship-friendly economies in the G20, boasting affordable startup costs and a stable banking sector.

In a recent op-ed in the *Wall Street Journal*, Busbud co-founder L.P. Maurice argues that Montreal "is fast becoming a world-class launching pad for startups," thanks to low rents, generous R&D tax credits and the cachet of cool resulting from the international success of creative firms like multimedia studio Moment Factory, videogame producer Ubisoft Montréal and the Sid Lee ad agency.

"People used to take a traits-based approach to defining entrepreneurs: they are risk-takers, for instance," says Greg Vit, BCom'80, director of the Dobson Centre for Entrepreneurship in McGill's Desautels Faculty of Management. "But that characterization has

been challenged by a more recent approach that suggests you can create the underlying conditions to help entrepreneurs emerge."

McGill is following the lead of entrepreneur-hothouse universities like MIT in trying to foster that supportive environment. Last year, McGill and l'École de technologie supérieure announced a new partnership, the Quartier de l'innovation. Like Boston's Innovation District and Spain's 22@Barcelona, the Quartier de l'innovation hopes to spark new entrepreneurial efforts and innovative collaborations. The QI is based near downtown in southwest Montreal — already the home to the biggest concentration of IT and multimedia companies in the city.

Vit thinks it's natural for McGill to play that kind of major role. "After all, McGill has almost 1,700 professors, working on topics [ranging] from medical research to green chemistry, genomics to new materials in engineering, neuroscience to music to new ways of organizing legal systems. The University is really well-positioned to be a breeding ground for innovation-driven entrepreneurship."

One of the focal points for entrepreneurial activity at the University is the Dobson Centre's McGill Dobson Cup, a startup competition established in 2009. Each year, members of the McGill community — students, alumni and staff — develop comprehensive business plans and pitch their startup ideas to a dozen judges, all industry leaders from across North America. Winners split \$93,000 in seed funding and receive mentoring. ►



JEFF KULAK

“You have to be too stupid to know you cannot succeed, or confident enough to believe in what you’re doing — it’s two sides of the same coin.”

NOT ALL ABOUT THE MONEY

The Dobson Cup offers prizes in both for-profit and social-enterprise categories. That second category speaks to a growing interest among McGill students in devoting their entrepreneurial skills to projects that aspire to do more than simply make money.

About 15 per cent of the entries for this year’s Dobson Cup were in the social enterprise category. One, a project intended to help the Lac-Mégantic community cope with the aftermath of last year’s devastating train derailment, resulted in the students receiving an invitation from the town to present their ideas. “I do think it’s a new wave and it’s growing,” says Vit. It certainly didn’t hurt that a team of McGill students triumphed at the Hult Prize last year, an international competition for startups designed to tackle major global issues (see page 19). The Dobson Centre offers a popular course on social entrepreneurship, while the Desautels Faculty of Management will be introducing a new social business and enterprise option this fall as part of its strategic management offerings.

Vit says the Dobson Cup is much more than an academic exercise. It’s having an economic impact. “Of 42 startups competing in the Dobson Cup over the past three years, 32 are still employing people and generating revenue — an impressive success rate.”

The Dobson Cup isn’t restricted to participants from the Desautels Faculty of Management. In fact, most of the people who took part this year came from other faculties. Twenty-five per cent of the competitors hailed from the Faculty of Engineering, for instance, while 20 per cent were affiliated with the Faculty of Science.

IT’S WHO YOU KNOW

Hypejar, one of the winning entries from 2013, is a web-based enterprise that allows early adopters and others interested in new products to learn about — and assess — products well before they hit the market.

“We had the opportunity to talk to people with significant expertise, which was the most valuable gain for us,” says Grant Yim, BCom’03, who, with his teammates — all McGill graduates — presented Hypejar to the Dobson Cup judges, half of whom hailed from Silicon Valley. “If you know the right people, they know other right people, and your network grows organically.” The Hypejar team has leveraged its Dobson contacts, and is making the rounds of industry leaders in San Francisco as they position their business for online success.

Reza Satchu, BA’91, would certainly qualify as one of the right people for budding entrepreneurs to know. Satchu made his reputation when he and his brother sold their startup SupplierMarket.com for \$935 million in 1999. Today, he is managing partner of Alignvest Investments and the co-founder of The Next 36, an ambitious initiative that selects talented young entrepreneurs from across the country each year for an intense and demanding training program that’s been likened to a “boot camp for entrepreneurs.”

“With technology today you can be an entrepreneur in six months,” Satchu says. “The barriers to entry today, versus 20 years ago, are far less. It has become much easier to test ideas and take products to market.”

Each year, more than 1,000 university students and recent graduates apply to take part in The Next 36. The three dozen who make the final cut receive mentoring from business leaders and instruction from some of North America’s top management professors, all while working in groups of three to build a real venture, for which they are eligible for up to \$95,000 in seed funding.

“We want to provide some of the country’s most promising young entrepreneurs with an extraordinarily transformative experience,” explains Satchu. “Many of their businesses will fail, but the participants will still acquire the confidence, relationships, experience, and expectations to create ventures earlier, faster, better than they would otherwise.”

Omer Dor, BEng’12, is a Next 36 success story. When he and his teammates were building Mobicare, an app that connects families and caregivers of patients with Alzheimer’s disease, he drew on the program’s reputation to gain access to physicians, hospitals and Alzheimer’s societies across North America. “The first challenge in building your own business is to carry out extensive market research analysis, which involves speaking to the right people,” says Dor. Mobicare became the first Next 36 venture to find a buyer, and Dor is now the president at Salmatic Technologies, a technology investment firm.

This year, four McGillians hope to receive a similar sort of life-changing kickstart through their own Next 36 involvement. Stéphanie Brisson, BCom’14, Madeleine Channen, Elyse Lefebvre, BA’13, and Jaclyn Ling, BCom’14, were all picked to be participants.

For Ling, graduating in finance this spring, entrepreneurship began through her interest in fashion. “I started a YouTube channel to share fashion ideas, which reached the point where I was making money from it,” she explains. With a friend, she launched Prim & Lace, a line of her own home-made purses that she began to sell after someone asked about one she was carrying. These experiences helped her make the cut for The Next 36, and now she and her teammates are developing Blynk, a fashion consultant site. Her mentors made it possible for Ling to attend shows at New York Fashion Week — part of the crucial network-building process.



THE CASE FOR BEING 'STUPID'

Pino Di Ioia, BA'91, MBA'93, and Anthony Di Ioia, BA'92, MBA'94, understand that. The twin brothers are CEO and CFO, respectively, of BeaverTails Pastry. "The number one thing you need as an entrepreneur is perseverance," says Pino, who has been one of the many entrepreneurs who has served as a mentoring Dobson Fellow for students at the Dobson Centre. "You have to be too stupid to know you cannot succeed, or confident enough to believe in what you are doing — it's two sides of the same coin."

But underlying that perseverance, he suggests, is another fundamental impulse. "There is a dreamy, romantic perspective that entrepreneurs are swashbuckling risk takers," he says. "But what I've sensed, which people might mistake as desire for risk, is a sense of curiosity and a desire for adventure. Entrepreneurs tend to be curious. They ask, 'Why can't we improve this process?' or 'Why can't we make a product that does such-and-such?'"



BeaverTails Pastry partners Pino and Anthony Di Ioia; The Next 36 co-founder Reza Satchu;
(Below) The Next 36 participant Stéphanie Brisson

Similarly, Brisson could already boast an impressive CV before finishing her McGill management degree. "But I never realized how entrepreneurial I was until I filled out the application form for The Next 36," she laughs. "I had won scholarships for leadership — but putting the 'entrepreneur' tag on it was new for me." Her project, Justfit, is a mobile app that she describes as being like "Urban Spoon" or "Yelp," but specifically for fitness centres — an app that would ensure that travellers had no reason to miss yoga classes while in strange cities. Her mentors counselled her on strategies for retaining clients once they had used the app to locate a gym. "They take the time from their own work to get their hands dirty with our ideas."

While startups often begin with a "Eureka!" moment, there's far more to the story than that. "A lot of people have great ideas," says Sophie Boulanger, BCom'03, whose own great idea resulted in BonLook, an online retailer that specializes in eyewear that's both affordable and stylish. "But the idea is maybe 10 per cent of the work. The rest is in executing a plan." And that's easier said than done, especially as business plans need to be flexible. "The job always changes from year to year and season to season," says Boulanger. Entrepreneurs need to be nimble enough to adapt to changing circumstances.



“I fully expect that something transformational is going to come out of this. It wouldn’t surprise me if the next Facebook comes out of McGill.”

“You don’t have to be a type-A personality with lots of charisma,” to succeed as an entrepreneur, says Corina Tudose, MBA’13. “You just can’t be shy.”

Tudose worked as a hedge fund executive in New York before striking out on her own and creating Healthyvore, a Montreal-based firm that helps businesses set up wellness programs for their employees. “You must be confident enough to believe in your product, but modest enough to admit mistakes and to recognize when a speed bump on the road means ‘Take the next exit,’” says Tudose. “I’ve learned to differentiate the two: when it’s time to persevere and when it’s time to understand that I need to take the next turnoff, because straight is not the way to go.”

BUILDING A BRAND

Even once a business is firmly established, the challenges don’t end. “Our brand has been around for 35 years, but you still need stewardship,” says Pino Di Ioia. The Di Ioia brothers began at BeaverTails as students toiling over the deep-fryer; they purchased the La Ronde outlet as the company’s first franchise, and in 2002, when the company was in dire financial straits, the brothers — armed with McGill MBAs — stepped in as managers. In 2009, Anthony, Pino, and Pino’s wife, Tina Serrao, bought a majority interest in the company from the original owners, and have since launched an extensive, but careful expansion. Twenty-two new franchises are planned in Canada, the U.S. and elsewhere this year.

“Brands take on their own aura, and you need discipline to make sure you chaperone the brand properly,” says Pino. New BeaverTails franchises are only appearing at sites that attract tourists. “We’re part of the fun fabric there. The pastry is important, but the magic of the place — whether it’s La Ronde or the Toronto Zoo or a ski hill in Banff — rubs off on our product,” he says. The company received a huge PR boost five years ago when U.S. president Barack Obama sampled some of their sweet treats at a kiosk not far from Parliament Hill.

Location may be integral to BeaverTails’ success, but for e-businesses, the challenges are different. “Online is a big flea market,” says Hicham Ratnani, BEng’08, co-founder of Frank & Oak, which mirrors BonLook’s emphasis on affordability and style, only with men’s clothing.



FADI HAGE

Lauren Rathmell helped create Lufa Farms (above)
Hicham Ratnani co-founded Frank & Oak (left)



WILL LEW

Launched in 2012, Frank & Oak has more than 100 employees and has showcased its wares at New York Fashion Week. Ratnani and his partner Ethan Song cut their business teeth on Modasuite.com, a made-to-measure online retailer for men that they founded in 2009. “We learned how to cater to guys online, and how to serve one client at a time,” says Ratnani.

Those lessons proved to be instrumental for Frank & Oak’s success. “We focus not on the garment so much as on the relationship, creating something that makes the client feel unique,” says Ratnani. Though based in Montreal, 70 per cent of Frank & Oak’s customers live in the U.S. “Our goal is to be the number one brand for the modern man, the brand of the Internet generation.” The company was named Innovator of the Year at the 2013 PwC Vision to Reality Awards for Canadian startups.

Chic shades and stylish dress shirts aren’t the only items that you can shop for online. Green zebra tomatoes and black trumpet mushrooms are available there too, courtesy of Montreal-based Lufa Farms.

An innovative experiment in urban agriculture, Lufa Farms touts itself as the world’s first commercial rooftop greenhouse. “We had a big learning curve,” says greenhouse director Lauren Rathmell, BSc’10, a founding member of Lufa’s executive team. Some of that curve focused on creating horticultural practices fitted to a warehouse roof, as well as designing and building the technology that would make such a feat possible. Once the produce was growing, though, Lufa needed to find buyers.

The first baskets of fresh produce were sold online and delivered to drop points in Montreal in April 2011; by that fall, sales were close to 1,000 baskets a week, and, interestingly, traditional face-to-face interaction helped drive that rapid growth. “Our open house days have been our strongest PR. People visit the farm, meet the team, and then get behind the project and tell their friends and family,” says Rathmell. “Customers like being able to see where their produce is grown and to meet the people growing it.” The company now distributes more than 3,000 baskets of produce each week.

Lufa opened a second rooftop greenhouse after its first year, and is now planning a third in Montreal. A foray onto the rooftops of Boston is also on the horizon. Last fall, both Lufa Farms and Frank & Oak were named to the Deloitte Technology Fast 50 program, which spotlights some of Canada’s most promising new businesses.

Vit says it’s never difficult to get successful entrepreneurs — particularly McGill graduates — to agree to share their experiences with current students. “They remember when they were the ones who were starting out and hustling and trying to make things happen.” Pino Di Ioia says he enjoys interacting with students. “When we speak to students at McGill, we tell them about our failures, because that’s what we learn from.”

The 156 projects that were pitched at this year’s Dobson Cup set a new record for the competition. Surveying the entrepreneurial talent that populates the University, Vit believes the Dobson Cup will keep growing. “In five or 10 years from now, I fully expect that something transformational is going to come out of this. It wouldn’t surprise me if the next Facebook comes out of McGill.” 🐦

Patrick McDonagh is a Montreal-based writer. He is the author of Idiocy: A Cultural History, and has written for the Globe and Mail, The Walrus and Chatelaine.



HULT WINNERS ASPIRE TO MAKE A DIFFERENCE



Last year, five McGill students (all of them pursuing MBAs) won the 2013 Hult Prize for social entrepreneurship, earning \$1 million in seed funding with their proposition for providing food to undernourished communities — transforming insects into edibles. The idea isn’t as unusual as it might sound. As the team noted in its pitch, insects are already eaten by millions of people. In winning the prize, Mohammed Ashour, MSc’11, Shobhita Soor, BSc’10, Jesse Pearlstein, Zev Thompson, and Gabe Mott beat out 11,000 teams and accepted the award from former U.S. president Bill Clinton.

Since then, the McGill team has been busy getting their business off the ground. They are shovel-ready for a large industrial production facility in Mexico and there are plans for a second facility in Ghana.

With such large aspirations, it’s no surprise that the team’s newly coined business name is Aspire. The team originally believed their business model could be implemented within urban slums, which would have meant raising insects within those inner-city zones. “Turns out, people living in urban slums aren’t interested in farming; they want to escape the rural life,” says Mott.

Aspire came up with a new model based on working with local farmers. The business supplies the raw materials, and the farmers raise the insects and sell the produce back to them for a profit. “We can change the nutritional profile of the product, and inject vitamins to enhance the nutritional value. We can produce large quantities by coordinating this way with the local farmers, which means our efficiency goes up and we require less investment in land,” explains Mott.

To find out more, visit aspirefg.com

JENNIFER NAULT



BRAVING THE DRAGONS' DEN

Just six months after asking a friend to help put together a fundraising site to support his training as a competitive judoka, psychology student David Ancor found himself on *Dragons' Den*, pitching the resulting site to some of Canada's most famous venture capitalists. One of them, Bruce Croxon, made a deal for 50 per cent of the site. Makeachamp.com has helped raise more than \$400,000 for amateur athletes, six of whom took part in the Sochi Olympics — including silver medalist Kelsey Serwa. Ancor hopes for even bigger numbers at the 2016 Summer Games in Rio. "We want to make it easier for athletes to communicate with their supporters [through the site], to keep them updated," he says, "because you really can't make it to the Olympics alone."

Ancor isn't the only McGillian who's appeared on the hit CBC TV series. Here's how some of the others fared.

DAVID AGULNIK, BSc'90

THE PITCH: The Banana Guard and Froot Guards, plastic protectors to prevent squished fruit.

THE VERDICT: The original pitch, the Banana Guard, didn't impress the dragons. But Agulnik and his partners returned to the show with strong sales numbers and the new Froot Guard, which earned them investments from dragons Arlene Dickinson and Brett Wilson.

THE OUTCOME: Banana Guard and its related products, already popular in Europe, are finding a growing market in Canada and the U.S.

EDITH BISSON, BEng'05

THE PITCH: Kangaride.com, a membership-based rideshare site that pairs drivers and passengers.

THE VERDICT: The concept and Bisson's strong business model garnered an impressive five offers from the dragons.

THE OUTCOME: Kangaride.com has grown by leaps and bounds, expanding from Quebec to Ontario and British Columbia.

CHRISTINE POIRIER, MA'05

THE PITCH: Momzelle, a line of stylish tops for nursing mothers.

THE VERDICT: While some of the panel weren't certain about Momzelle's potential, dragon Brett Wilson made Christine an offer for equity. She decided against it.

THE OUTCOME: Christine's products are in stores across Canada, and she was named the 2009 Woman Entrepreneur of the Year by Impact Entrepreneurship.

MARTY ALGIRE, BSc(AgrEng)'97, MSc'01

THE PITCH: FixMeStick, a USB stick that finds and removes viruses on computers.

THE VERDICT: Algire and his partner shook hands on a joint offer from dragons Arlene Dickinson and David Chilton. All five tycoons were interested in FixMeStick and its potential for healthy profits.

THE OUTCOME: FixMeStick has taken the tech world by storm, and is available across the globe. A Mac-friendly version is currently under development.

ANNIKA ROBBINS



Daniel Chiu, the U.S. deputy assistant secretary of defense for strategy, taking part in a panel discussion at the Woodrow Wilson International Center for Scholars.

Our man at the Pentagon

At first glance, **DANIEL CHIU**'s office could be mistaken for that of a mild-mannered geography professor. There's the requisite wall of books, a just-this-side-of-messy desk and, of course, a very large world map. The amiable Chiu himself seems straight out of central casting — scholarly with just a hint of geek.

The heavily secured doors would be out of place on most university campuses, however. And there are no backpack sporting twentysomethings rushing down the hallway to their next class. Instead, snappy uniforms with epaulets abound, along with shoes shined to a spit-and-polish gleam. Chiu, BA'88, is the U.S. deputy assistant secretary of defense for strategy and his office is in the Pentagon.

Chiu's job, in a nutshell, is to take stock of everything that could conceivably go very, very wrong in the world. His mandate is to identify and monitor trends that might have security implications for the U.S. and to assess the potential risks of those trends. The job, he says with characteristic understatement, is increasingly complex.

"The issues have just changed a lot. When I started learning about this in political science at McGill, the issue was simply how many nuclear weapons each side had," he says. "Now we're talking about *everything* — an incredible array of space, cyber, economic issues. Security has become remarkably interdisciplinary. And complicated."

Chiu says his interest in international security was sparked, in large part, by Pam Butler, MA'71, PhD'80, one of his teachers at Montreal's Marianopolis College. "She didn't just talk about [international] conflicts. She talked about how to resolve and prevent conflict."

In examining international security concerns, Chiu says it's impossible to neatly segment issues nowadays. Everything is interconnected. "There are no parts of the world that aren't linked regionally and functionally; no issues that aren't connected to other issues," he says.

Chiu is careful not to talk about his job too specifically (the interview took place before recent events in Ukraine or Iraq). But he does acknowledge that if anything keeps him up at night, it's the thought that changes in the world occur rapidly and unpredictably and that governments such as his need to be flexible and fast enough to manage that uncertainty. "Our system — and it's not just us experiencing this — is not very flexible."

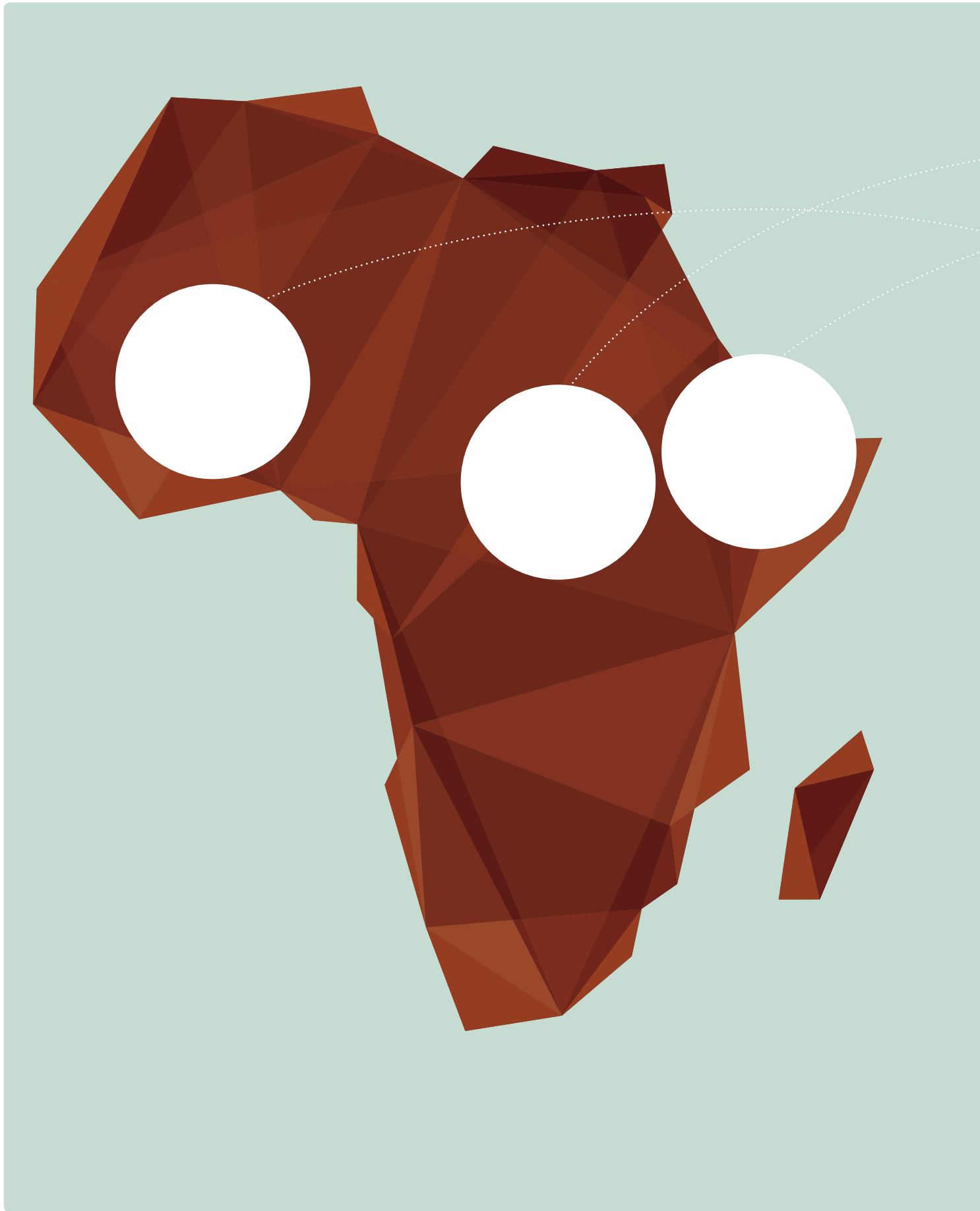
Unstable dictators and well-known regional hotspots aren't the only things that Chiu pays attention to. His office keeps a close watch over the strategic implications of changes in energy resources and markets and how that might affect the dynamics of geopolitical relationships. "Being energy independent," he says, "doesn't insulate the U.S. or Canada from the global problems created from world energy demands."

Then there's the impact of climate change and its potential consequences, including food and water scarcity and mass migration, which, in turn, could lead to an increased need for international disaster relief operations in the future.

If there is a bright spot for a future clouded by potential crises, says Chiu, it lies in the fact that there is a great deal of global cooperation taking place in the world today. This new landscape of intersecting, overlapping challenges has brought allies together and created new partnerships. "The more we realize we need to work with each other, the less we'll focus on fissures and conflict. We just need to find a way to manage that complexity."

Though he acknowledges the perception of the Pentagon is often otherwise, he says the focus of his work there is always on conflict prevention and conflict resolution. "Everything we're talking about is about prevention. The reason I got into this is to prevent conflict." 🐦

JUDITH RITTER, MA'72





Iptisam Sani
GHANA



Ignace Nikwivuze
RWANDA



Njeri Muguthi
KENYA

A LONG WAY FROM HOME

Facing culture shock, unusual food and tough academic challenges, McGill's MasterCard Foundation Scholars have begun their journey towards becoming future leaders for Africa.

by Patrick Lejtenyi, BA'97, and Neale McDevitt

Someday, if everything goes according to plan, they'll be part of a new generation of African leaders — energetic, worldly and determined to serve their countries. Having just survived their end-of-semester exams, though, these leaders of tomorrow wanted to party for a while.

McGill's MasterCard Foundation Scholars recently celebrated the successful completion of their first year at the University.

Assembled at a reception at Royal Victoria College, they shared munchies and hit the dance floor with some of

the professors, staff and students who played crucial roles in supporting them through a challenging year.

"This has changed the course of my life in a great way," says Njeri Muguthi, part of McGill's initial cohort of 11 MasterCard Foundation Scholars. "I'm attending a wonderful university, meeting students from around the world and I'm building my network," says the science student from Kenya.

"When I opened the email telling me I had been accepted, I started running around the house, screaming," says fellow scholar Iptisam Sani, an engineering student from Ghana. ➤

“These students are bringing a unique perspective. They’ve all gone through so much change and adjustment. They’re inquisitive and up for any challenge.”

The Toronto-based MasterCard Foundation launched the scholars program in 2011, devoting \$500 million to its goals. The program offers gifted young people from disadvantaged communities in Africa the opportunity to pursue a degree at a leading university. It’s an opportunity they almost certainly wouldn’t be able to afford otherwise.

The universities partnering with the MasterCard Foundation Scholars Program include Berkeley, Duke, Michigan State and Stanford in the U.S., the American University of Beirut’s Faculty of Health Sciences in Lebanon and the University of Pretoria in South Africa.

Last year, three Canadian universities were added to the mix — the University of British Columbia, the University of Toronto and McGill. When she announced the program’s new Canadian partners, MasterCard Foundation president Reeta Roy took the opportunity to underline the program’s overall aim — to “develop next-generation leaders who will have a transformational impact in developing countries.”

A STRANGE LAND

One of those next-generation leaders has a question for Canadians. What’s with all the cheese?

“There’s cheese everywhere!” exclaims Muguthi. The 21-year-old Nairobi native doesn’t much like the stuff. North American food, in general, has taken some getting used to. “Everything tastes very different. I’m used to a tomato being this big, red juicy thing. But here, they have no natural taste inside.”

Muguthi was also surprised to see what women wore in Montreal. “That was a shocker. I arrived in late summer and I noticed that the way some women dressed was very revealing. I wouldn’t dress like that.” She pauses. “But I think I understand why they do, after this winter!” Muguthi made the most of her first Canadian winter. She learned to skate and made her first snow angels.

In their four years at McGill, the scholars are expected to complete their degree requirements, take part in two internships in their home countries and eventually mentor the cohort that follows them. The program funds the summer internships after the scholars’ second and third years.

McGill will be welcoming 91 MasterCard Foundation Scholars to the University over a 10-year period. “These students are bringing a unique perspective,” says Dean of Students André Costopoulos, BA’92. “They all have very different profiles and come from very different backgrounds and they bring an important diversity to McGill.”

Costopoulos says the students in the program impress him with their “tremendous courage and their willingness to go on this adventure. They’ve all gone through so much change and adjustment. They’re inquisitive and up for any challenge.”

Still, the adjustment process hasn’t always been easy.

Ignace Nikwivuze, an arts student from Rwanda, admits to feeling lonely when he first came to Montreal. “I’d spend three to four hours a night in my room watching movies because I had nowhere to go.”

“Those first few weeks were difficult,” Muguthi agrees. “I’m very close to my family and I had to come to terms with being so far away from [them]. I had been out of school for a year to take care of my baby sister and suddenly — bam — I had three assignments in my first week. I called my mom and said, ‘I want to come home.’”

The culture shock and the pressures associated with navigating so many life changes at once — particularly at such a young age — were easy to predict. That’s why an essential component of the MasterCard Foundation Scholars Program is multifaceted mentoring.

“Each student is paired with a faculty member — a member of the department that is closely related to the student’s area of interest — who acts like an academic elder,” says biology professor Lauren Chapman, the program’s lead mentor at McGill. The mentors typically have some experience with Africa. Chapman, for instance, heads up a longstanding research program in Uganda that focuses on aquatic ecology and conservation.

“In Africa there is more of a disconnect between students and professors,” says Andrew Biteen, BCL/LLB’09, the program’s manager at McGill. “Professors are more revered there.”

Chapman says the program’s students view the less rigid, more easy-going environment in North American universities as a welcome change. “They seem very happy and very interested in the less formal atmosphere, where they are free to discuss subjects with their professors and ask questions of their [teaching assistants].”



NICOLAS MORIN

*MasterCard Foundation Scholar
Diana Matabwa with Kendra Hefti-Rossier,
one of the program’s peer mentors*



MasterCard Foundation Scholars Fauziat Serunjogi, Valary Malowa and Emefa Agbeshie with professor Lauren Chapman (second from right)

A SUPPORTIVE NETWORK

On a more personal level, the program's students are matched with peer mentors—fellow McGill students, usually in their third or fourth year, with whom they meet regularly to discuss both academics and personal issues. “They understand what it’s like to be a McGill student,” says Chapman, “so they provide invaluable peer-to-peer advice.”

Nabil Zoldjalali is one of the mentors. The third-year electrical engineering student is from Saudi Arabia, and is familiar with the sense of bewilderment that greets students from different cultures when they arrive at McGill.

“Many of [the program’s] students went to small schools, where they would breeze through,” says Zoldjalali. “So for these scholars, we have to set expectations on how hard it is going to be.”

“The workload is challenging,” says Muguthi. “School gets serious so quickly. It takes some time to understand how the system works.”

That thought is echoed by Sani. “I didn’t think the workload would be this much. I was misinformed there!” she laughs. “I’m getting used to it. But sometimes I think there is a false sense of security—there were times when I thought I was handling it alright, and then I realized I wasn’t.”

While the peer mentors perform an essential role in warning the scholars of some of the academic challenges they’ll have to face, their most important contributions may have little to do with school work at all.

Remembering how homesick she was in September, Muguthi credits the peer mentors with offering her friendship when she needed it most.

“It’s hard when you feel like you’re all alone, but my peer mentors [arts student Kimber Bialik and science student Anand Berry] helped pick me up. They took me out on some outings and we had fun. It gave me a much-needed break from some of the pressure and all the assignments. It’s nice to know there are people looking out for you.”

Kate Gong, a fourth-year physiology and anthropology student from Winnipeg, is one of the program’s peer mentors. She decided to become involved after spending a semester in east Africa last year. Being a mentor, she says, “gives me a chance to stay connected to that part of the world.”

Gong says the relationships between the program’s students and the peer mentors quickly became less formal. “Now we just hang out,” she says. “We have dinner together, go for coffee, go shopping. On my birthday, they were at an event and stopped everything to call me and sing ‘Happy Birthday’ on the phone. They’re my friends and they support me as much as I support them.”

Zoldjalali says he noticed a change in the scholars during their second semester at McGill. They’re more confident now, more relaxed. Their social circles have expanded and they’re more involved in extracurricular activities at the University.

Nikwivuze, for instance, collaborated with fellow students Jackie Bagwiza Uwizeyimana (also a MasterCard Foundation Scholar) and Eric Moses Gashirabake to organize a candlelight vigil at McGill in memory of the victims of the 1994 Rwanda genocide.

Zoldjalali believes the scholars come across as deceptively carefree. They “seem very calm and relaxed, they’re always thankful and they’re always smiling,” he says. “But they have a sense of purpose. They know that they are going to go back to help their country advance.”

Biteen notes that an essential part of the selection process for the scholars involves writing an essay that demonstrates their leadership potential and their desire to contribute to their communities in the future.

He says the scholars are fully aware that they’ve been given an enormous opportunity. Sani agrees. “This has opened me up to the rest of the world,” she says. “I’m discovering things every day.”

Patrick Lejtenyi is a Montreal-based writer and radio reporter. His work has appeared in various websites and publications including the Montreal Gazette, the Montreal Mirror and VICE.com. Neale McDevitt is the editor of the McGill Reporter, where portions of this story originally appeared.



OUT OF THE CLASSROOM *and* INTO THE RAINFOREST

The Panama Field Studies Semester offers McGill undergraduates a unique opportunity to experience the complexity of environmental issues up-close.

by Hannah Hoag, MSc'99

Beth Turner's fridge holds beer, cheese, milk, tomatoes, cucumbers — and more than 1,700 bugs. The bugs are macro-invertebrates, small spineless aquatic organisms that Turner collected from streams in Panama for a research project looking at the effects of deforestation on the health of the streams. Turner scooped up the specimens this past winter and dropped them into glass vials of ethanol, which she packed into cardboard boxes and stored in the fridge she shared with four other students. ►



“If we want to maintain this beautiful blue planet, we in the north need to understand how the people in the south are working in the biosphere, and that’s impossible to teach from a classroom in Montreal.”

In her living room, she built a lab consisting of dissecting microscopes and a 1.7-kilogram guide to aquatic insects of North America, and taught herself how to identify the family to which each creature belongs. “My favourite is *Collembola*. We hardly ever see it, and I think they’re kind of cute,” says Turner, a fourth-year biology student. “This one’s kind of interesting,” she says, pulling a vial from a box. “Look at his lower lip, it’s a big floppy thing.”

Turner was one of 25 McGill students and three University of Panama students enrolled in the 2014 Panama Field Studies Semester (PFSS). The program immerses students in the biology, ecology, and culture of Panama for four months during the winter semester. To those familiar with Montreal winters, it may sound idyllic. But the pace is intense.

The students take upper-level courses in biology, agriculture, environmental science, history and geography taught by professors from McGill, the Smithsonian Tropical Research Institute (STRI), the University of Panama and the Universidad Católica Santa María La Antigua. They criss-cross the country, learning about tropical environmental and livelihood issues from indigenous groups, farmers, and villagers. They also intern with research institutions and NGOs on local projects, sometimes spending hours commuting by bus to their sites. What little downtime they have is spent doing laundry, grocery shopping and writing papers for each class.

“They are learning at all levels of their cells,” says Catherine Potvin, a plant biologist specializing in tropical forest ecology and conservation in the Department of Biology. She is also McGill’s Canada Research Chair in Climate Change Mitigation and Tropical Forests. Potvin created the PFSS 15 years ago. The program is a joint venture between McGill and the STRI. Potvin wanted to establish a field program in tropical ecology where students could learn first-hand how to do culturally relevant research. “I realized that we were absolutely not preparing our students for working in developing areas or tropical countries,” says Potvin. “I felt that it was only by bringing people into Panama that we could train them adequately.”

But Potvin has an even deeper motivation. For 21 years, she has studied land-use change, biodiversity conservation, and climate change mitigation in Panama. She has partnered with indigenous groups in the country to learn from them, in order to find ways to blend traditional livelihoods and cultural values into globally relevant conservation goals. “We are all sharing this planet. If we want to maintain this beautiful blue planet, we in the north need to understand how the people in the south are working in the biosphere, and that’s impossible to teach from a classroom in Montreal,” she says. “We can’t resolve these big environmental issues alone.”

OTHER PLACES, OTHER PERSPECTIVES

Héctor Barrios is a professor of entomology at the University of Panama and a regular member of the PFSS teaching corps. He believes that anyone from a developed country with serious aspirations about pursuing environmental work should gain some understanding for how people in other parts of the world deal with these issues. The McGill students who take part in the PFSS develop that sort of sensitivity, says Barrios, “and this is a key quality for anyone who hopes to work successfully in other countries or regions.”

For Sabrina Dabby, a third-year student majoring in international development, the semester in Panama made the issues she studied in McGill classrooms much more tangible. “We learn a lot about the problems faced by those living in the Third World, but it’s hard to conceptualize unless you see it and see who you’re dealing with,” she says. “Climate change does affect them, their crops, their lack of financing.”

Dabby interned with a non-profit NGO called Caminando Panama (Walking Panama) that is mapping the country’s hiking trails. “Their focus is getting the community involved. They’re creating co-ops and opportunities for people within the villages to sell things — it’s positive ecotourism,” she says. Dabby has mapped 70 kilometres of trails around a dormant volcano in El Valle de Anton, a town in the province of Coclé. The trails go through cloud forests and rolling hills, and past high cliffs. She has been speaking to people in the nearby communities about their desire for tourists. “It has been a resounding ‘yes,’” she says.

The students’ favourite field trip takes them to the island village of Ukupseni in La Comarca de Guna Yala, an autonomous indigenous territory on the Caribbean coast near Colombia. About 2,000 Guna live on the island in homes of cane walls and thatched roofs. The students tie up their hammocks alongside those of their host families for four nights. Talking with their hosts, they learn about the Guna way of life, and the community’s views on poverty, culture and the environment.

(Right) Professor Héctor Barrios from the University of Panama; (Below) Divya Sharma (right), a master's student in Catherine Potvin's lab, studies land use and cultural changes in the indigenous community of Piriati-Emberá.



ALEX TRAN

ALEX TRAN



SEAN MATTSON



(Left) Catherine Potvin displays the distinctive jagua body paint of the Piriati-Emberá people; (Below) A traditional dance performance in the island village of Ukupseni, which regularly hosts McGill students from the Panama Field Studies Semester.



ALEX TRAN



PHOTOS BY ALEX TRAN



(Top) This huge tree in Ciudad del Saber provides comfortable shelter for the Panama Field Studies Semester students who live close by; (Left) A student in the program makes a new acquaintance.

Waste is a major theme. On the island, garbage is thrown into the ocean. The tactic keeps living areas clean, but the refuse collects among the mangroves. “At first students are disgusted and dismayed, but then it strikes a chord: the students are completely dependent on a garbage truck to come by their doors at home,” says Potvin. “Their reactions go from blame to something deeper.”

While there, the students participate in a long-term monitoring program of the sea grass, mangroves, and coral reefs of another island in the community. Snorkeling above a coral reef, the students relay the species they spot to a note taker in a nearby dugout canoe: lettuce, brain, and fire corals, sponges, and anemones. The corals are in poor shape and there are few fish. The Guna have mined the corals for landfill to add space for the island’s growing population

and they’ve depleted the fisheries, including the herbivorous fish that consume algae and help keep the corals healthy. Under Potvin’s direction and in consultation with the Guna, the students collect algae-eating sea urchins from a healthy reef and transplant them on one in worse condition, to spur the corals’ recovery.

Potvin says the Panamanians appreciate their student visitors. She has brought students to Ukupseni for 14 out of 15 years — one year, plane troubles cancelled the trip. “The community was completely concerned. They were looking forward to it because they take pride in sharing who they are and their values, and that people want to learn from them,” says Potvin. The students leave behind resources for the public to use too: At the Parque Natural Metropolitano de Panamá (a sort of Mont Royal Park in Panama City), for instance, students from previous years have created guides to the park’s frogs and bird calls.

For a PFSS course she teaches on sustained tropical agriculture, Caroline Begg, BSc(Agr)’79, PhD’95, a faculty lecturer in the Department of Plant Science in the Faculty of Agricultural and Environmental Studies, took the students to small farms, indigenous communities, and commercial food companies. They visited *campesino* (subsistence) farmers who work on small family-run farms, roughly five hectares in size. In some areas, there are conflicts between the *campesinos* and indigenous groups over land use and ownership. The students also learn that some *campesinos* rely on remittances from relatives who have left the farm for labourer jobs in Panama City.

A commercial cattle ranch the group visited was bustling, trying to keep up with an increasing demand for milk and beef. “The students are developing an appreciation for food production and how complex it is,” says Begg. “Where do you preserve the meat? How do you keep your pasture going in the dry season?” After each field visit, the group has a roundtable discussion to share their impressions of the experience.

The program challenges attitudes about environmentalism and conservation, and the role that northern scientists play. Many students arrive in Panama with the belief that tropical forests and the animals within them must be left absolutely untouched to solve the biodiversity crisis and mitigate climate change, says Begg. “Then they realize that it’s not that simple, that you have indigenous populations that have been using the forests and hunting for generations on a sustainable scale.”

This year, Potvin introduced a mining component to the program. The students began monitoring two similar communities, one close to a Canadian-owned copper mine and another out of the way of mining development, to see how mining alters water quality, landscape and socioeconomic conditions.

“It’s almost like a finishing school for students. It’s the ultimate capstone set of courses that finalize their education at McGill,” says Begg.

“GOOD BANG FOR YOUR BUCK”

It’s a hot afternoon in March in Ciudad del Saber (City of Knowledge), a former U.S. Army headquarters located opposite the Panama Canal’s Miraflores locks and now the home to an array of academic organizations, NGOs and technology companies. When they’re not on the road or doing their internships, the students live here in basic one-story row houses with palm trees on their dry scrubby lawns. They rest in hammocks and sit on the back patios writing papers and discussing their experience.

“The recurring theme here is: How can people live off the land without destroying it? And who are we to tell them what to do?” says Fredric Hoffmann, a third-year student majoring in geography and international development.

“These are lessons showing us how all these problems and solutions are rooted in your associations with people,” says Will Miller, a fourth-year student in the McGill School of Environment. “In any biodiversity or conservation science, you can’t just present the science to policy makers and say ‘OK, this is what we should do.’”

“My takeaway is: What is the role of a scientist?” says Beth Turner. “You do scientific research as rigorously as you can and present possible solutions to people and let them decide.”

“You get damn good bang for your buck with the program,” says Miller. “We get a lot of experiences packed into a short period of time.” 🐼

Hannah Hoag is a science journalist based in Toronto. She has a master’s degree in biology from McGill and has written for New Scientist, Discover, Wired, Canadian Geographic and the Globe and Mail.

A TROPICAL APPROACH TO GRAD SCHOOL



Alex Tran (photo below) eavesdrops on electric fish.

During the winter, when the fish breed, the master’s student in the Department of Biology wades and swims in Panama’s rivers with a submerged electrode that detects the signals, converts them to an audible sound, and plays them over a speaker. “It’s like treasure hunting,” he says. He records the buzzes from one population of fish to the next to understand how the signals are diverging, and why. “We think that predators, like catfish, are causing them to change the signals they use to communicate.”

Tran is doing his master’s degree through the McGill-STRI Neotropical Environment Option (NEO), which gives graduate students the opportunity to focus their research on neotropical and Latin American environmental issues. Tran completed the Panama Field Studies Semester in 2011, but didn’t know then that he would return to Panama for his graduate work. He says the PFSS program gave him an advantage over students from other schools because basic Spanish is required for PFSS applicants, and he uses it to interact with Panamanians. “We don’t just come here as researchers, take samples, and leave with our data,” he says.

“Having the opportunity to work at both McGill and STRI is a big plus,” says Tran. “You could come down on your own without NEO, but the long-term relationship between McGill and STRI have created a network and valuable relationships among researchers.”



ALEX TRAN



Il y a un peu plus de quatre ans, elle flottait dans l'espace, au cœur de la Station spatiale internationale, avec pour mission de manier des bras robotiques. Aujourd'hui, l'ancienne astronaute a les deux pieds bien sur terre. Son nouveau terrain de jeu, c'est le Centre des sciences de Montréal, situé dans le Vieux-Port de la métropole. Depuis juillet 2013, elle est directrice de ce musée voué à la vulgarisation scientifique, qui présente notamment expositions interactives et films Imax.

Elle entre dans la salle en coup de vent. Une rencontre avec une équipe du musée a été plus longue que prévu. Malgré les apparences, les milieux de l'aérospatiale et de la muséologie sont fort similaires, souligne l'ingénieure de formation : tout doit être opérationnel. Le Centre des sciences, par exemple, accueille plus de 800 000 visiteurs chaque année. Il faut s'assurer que tout fonctionne, avec un budget modeste, précise la directrice.

En mission spéciale pour la

SCIENCE

Elle a longtemps été la personnalité la plus associée au secteur aérospatial au Canada. Aujourd'hui, elle travaille un peu plus loin des projecteurs : Julie Payette dirige le Centre des sciences de Montréal depuis près d'un an, ce qu'elle considère comme un emploi de rêve. Rencontre avec une scientifique toujours passionnée.

Par David Savoie

Julie Payette (B. Ing. 1986, D. Sc. 2003) a de l'énergie à revendre. Visiblement, les sciences et la culture scientifique l'emballent toujours autant. Elle s'anime dès qu'il en est question. « Cela fait partie de notre mandat, comme astronaute : partager nos expériences, transmettre notre passion pour les sciences et les technologies, et si possible, l'inspirer chez d'autres ».

POUR UNE PLUS GRANDE CULTURE SCIENTIFIQUE

Lorsqu'on lui demande si elle veut intéresser davantage les femmes à la science, Julie Payette secoue vivement la tête : « c'est une cause qui est importante, mais qui s'inscrit dans quelque chose de plus vaste. La relève dans le domaine de la technologie est un problème social très large et si on veut continuer à soutenir la société technologique, il faut inclure tout le monde. Pas assez de gens s'intéressent à des métiers spécialisés en technologie, ce qui pourrait entraîner des difficultés à plus long terme. Avec les changements démographiques, il va y avoir des pénuries dans certains domaines. Que l'on ait, dans certaines facultés, un pourcentage minime de femmes, équivaut à se priver d'une ressource extrêmement importante. Ce serait néanmoins une catastrophe si tout le monde était en sciences et technologie, comme cela le serait si tout le monde était en littérature. » ►

« La culture scientifique nous permet de prendre de meilleures décisions, d'avoir une pensée critique. »

NASA



Julie Payette a œuvré au centre de contrôle de mission de la NASA, à Houston, pendant plusieurs années. Elle était affectée à la console de fonction capcom et agissait comme principale personne-ressource auprès des membres d'équipage des navettes spatiales. (ci-dessous) Plus de 800 000 personnes visitent le Centre des sciences de Montréal chaque année.

Il faut donc « ouvrir l'éventail », pour recruter des gens qui n'auraient pas considéré une carrière en science, tout en inculquant une culture scientifique – pas assez valorisée – plus importante à la population. « La culture scientifique nous permet de prendre de meilleures décisions, d'avoir une pensée critique. Un peu de scepticisme, c'est bon pour la santé. Poser des questions, c'est tout à fait sain. Je trouve parfois que les gens n'en posent pas assez, et pour moi, la culture scientifique, c'est ça : s'informer, être curieux, de dire Julie Payette. Dans un monde où les communications sont instantanées et que Google fournit toutes sortes de réponses à nos questions, comment discerner le vrai du faux? C'est là qu'intervient l'esprit critique. Car nous sommes bombardés d'information! »

Suzanne Fortier connaît Julie Payette depuis près de 20 ans. Pour la principale et vice-chancelière de l'Université McGill, l'ancienne astronaute est la personne idéale pour diriger un centre dont la vocation est d'intéresser le grand public – et les jeunes en particulier – aux sciences. « Julie Payette a énormément contribué à rapprocher la science du public, par son charisme et son engagement à transmettre ce qu'elle a vécu et appris, et évidemment, par ses réalisations, qui continuent de faire rêver petits et grands et de stimuler la curiosité et l'esprit de découverte. »

L'occasion de diriger le Centre des sciences de Montréal est arrivée à point nommé pour la scientifique de 50 ans, qui souhaitait rentrer à Montréal – où elle a grandi –, après 20 ans aux États-Unis. Avant de se joindre au Centre des sciences, elle a passé quelque temps à Washington, d'abord au prestigieux Woodrow Wilson International Center for Scholars, puis comme déléguée scientifique du Québec. Mais c'est à Houston, siège de la NASA, que s'est concentrée sa carrière en sol américain.



JEAN-FRANÇOIS LEMIRE

ASTRONAUTE UN JOUR, ASTRONAUTE TOUJOURS

En 1992, alors doctorante à McGill, Julie Payette est sélectionnée parmi 5 330 candidats par l'Agence spatiale canadienne, alors à la recherche de quatre nouveaux astronautes. Elle joint le corps d'astronautes de la NASA quatre ans plus tard, et sera l'astronaute en chef du Canada de 2000 à 2007.

Julie Payette a effectué deux vols dans l'espace, le premier en 1999, à bord de la navette Discovery. Elle devient alors la première Canadienne à participer à une mission de construction de la Station spatiale internationale (SSI) et à monter à bord du laboratoire orbital. Lors de son deuxième vol, à bord de la navette Endeavour en 2009, elle sera aux commandes des trois bras robotiques spatiaux. « Encore aujourd'hui, il y a peu de sièges pour se rendre dans l'espace. Ça a été un grand privilège d'en occuper un », dit-elle.

Au moment d'écrire ces lignes, la tension entre la Russie et les États-Unis au sujet de l'Ukraine s'intensifiait, menaçant même la collaboration des deux pays au sein de la SSI, laquelle a été jusqu'à présent un « symbole diplomatique éloquent », selon l'ancienne astronaute. « La station est contrôlée par les États-Unis et la Russie, 365 jours par année depuis 12 ans et tout fonctionne sans problème, précise-t-elle. C'est pour moi la contribution la plus importante de la Station spatiale internationale. Ça a été une énorme réussite en termes d'ingénierie et de diplomatie. C'est un endroit où la collaboration est essentielle. »

Si Julie Payette n'est plus dans le milieu de l'exploration spatiale depuis un moment déjà, elle continue de donner des conférences sur le sujet. « C'est vrai pour plusieurs professions, mais, astronaute un jour, astronaute toujours », dit-elle.

Un de ses amis et anciens collègues, Robert Thirsk, avec qui elle a séjourné dans l'espace en 2009 – la première fois où le Canada comptait deux astronautes dans l'espace au même moment – ne tarit pas d'éloges à son sujet. « Qu'elle soit dans un simulateur ou une station spatiale ou à un événement, elle a cette capacité d'égayer les gens et de discuter avec tous », dit-il.

Selon Robert Thirsk, Julie Payette est un très bon modèle pour les jeunes intéressés par la science. « Elle transmet très bien ce que sont les défis des astronautes, aussi bien devant une foule qu'avec un petit groupe, mentionne-t-il. Elle est emballée par ce qu'elle fait. »

Même s'ils se trouvent dans un autre domaine, tous les astronautes gardent la tête dans les étoiles. « Quand nous sommes sur Terre, nous rêvons d'être dans l'espace, dit Robert Thirsk. Je pense que les vols spatiaux manquent à tous les astronautes, et que la plupart n'hésiteraient pas un instant à le refaire s'ils le pouvaient. Mais la vie continue. »

Il faut dire que le stress – physique et mental – associé à la vie d'astronaute ne manque guère à Julie Payette. « L'entraînement d'un astronaute ressemble beaucoup à celui d'un athlète olympique : dans l'ombre, pendant des années, avec beaucoup de répétitions et énormément de rigueur. Dès qu'on lâche un peu, on n'est plus dans la grande ligue. Il n'y a pas place à l'erreur, parce qu'on représente notre famille, notre patelin, notre pays, la planète. »

Du reste, son objectif pour le moment est d'assurer la pérennité au Centre des sciences de Montréal, un centre créé il n'y a que 13 ans. « Je veux en faire un carrefour, pas seulement un centre où on peut apprendre sur les sciences et les technologies dans un cadre agréable, mais aussi une destination; que le centre fasse partie intégrante de la communauté, comme c'est le cas ailleurs dans le monde. » 🐾

Journaliste montréalais, David Savoie a notamment collaboré à La Presse, Les Affaires, la radio de Radio-Canada et CBC.



AN AMBASSADOR FOR SCIENCE

Just four years ago, she was floating in space on the International Space Station (ISS). Today, former astronaut **JULIE PAYETTE**, BEng'86, DSc'03, has both feet firmly planted on the ground, but scientific exploration continues to play a huge part in her life.

Payette is the chief operating officer for the Montreal Science Centre, which welcomes more than 800,000 visitors each year, who take part in its exhibitions and activities at the Old Port. Payette says the job is a natural fit for a former astronaut.

"It's part of our mandate as astronauts to share our experiences, to share a passion for science and technology and, if possible, to inspire the same passion in others."

And Payette is keen to do what she can to steer young minds towards science and engineering. Part of her concern is practical — she believes Canada still needs more individuals with scientific and technological skills to help forge an increasingly knowledge-based economy. But she also firmly believes that scientific thinking offers valuable lessons for everyone.

"A little scepticism is good for our health. Asking questions is very healthy. I sometimes find that people don't ask enough questions, and in my view, that's what scientific culture is."

As an astronaut, Payette took part in two space missions related to the construction of the ISS. With rising tensions between Russia and the West as a result of recent events in Ukraine, Payette believes the ISS serves as an important symbol for international cooperation. "It's a huge success for engineering and a huge success for diplomacy. It's a place where people have been forced to work together, are forced to work together and will be forced to continue to work together."

Robert Thirsk, MDCM'82, a fellow former astronaut, says Payette herself has a natural gift for bringing people together. "Whether she's on the space station or at a public event, she has the ability to boost everyone's spirits."

While Payette will always take pride in her accomplishments as an astronaut, she is happy it's a chapter in her life that is now over.

"Training for astronauts is a lot like training for Olympic athletes. It's very rigorous, and as soon as we let up, even a bit, we lose ground," she explains. "We don't choose when we're going to perform, and we have to do it without any mistakes, with no margin of error. I don't miss that side of it at all."

The Main is her muse

Not long ago it hit Heather O'Neill, BA'94, that both her novels, the best-selling *Lullabies for Little Criminals* and the just-released *The Girl Who Was Saturday Night*, take place in the mid-nineties.

"Everything I write was set in the year I was 19," she remembers telling her daughter Arizona, who also turned 19 this year. O'Neill dramatically waves an arm, in a comic, exaggerated imitation of herself, passing along the wisdom of the 'master artist' to her progeny. "Look around! This is your canvas, child."

"It's one of those fun transitional ages when you don't know who you are, but you feel all the excitement of becoming someone new," O'Neill muses.

O'Neill was only 20, just graduated from McGill, when Arizona was born. That was also the year she moved close to the block on which both her novels are set, the lower stretch of St. Laurent Boulevard, once better known as the

Red Light District. She first discovered the neighborhood through her father, who'd grown up nearby. Saturday afternoons, father and daughter would head out to the Montreal Pool Room for hot dogs.

The protagonist of her new novel, Noushcka, another 19-year-old, lives on this block with her twin brother, Nicolas. Their father, Etienne Tremblay, is an aging Quebec folk-rock icon, something of a cross between Jean Leloup and Richard Desjardins, with sprinklings of Leonard Cohen and Loudon Wainwright. His narcissism has cast a spotlight on his children, who have become Quebec celebrities in their own right. As the novel opens they are living the breezy, irresponsible life of *bon vivant* teens. Everything is new, and anything seems possible, before life teaches them that there are consequences to the choices they make.

The O'Neills — mother and daughter — are hardly household faces like

the Tremblays. But after *Lullabies* won the 2007 edition of Canada Reads, life changed. "We felt like we were rolling in the money. We had always been so broke, broke, broke. Like we couldn't even buy a T-shirt," says O'Neill. "Suddenly we were taking cabs from the corner *depanneur*! We were like rap stars blowing our record deal," she adds, with more than a hint of hyperbole.

Arizona wasn't permitted to read *Lullabies* when it first came out — the book tackles some occasionally disturbing themes and she was quite young at the time. She did read it recently — and isn't its biggest fan. "It's not my cup of tea," O'Neill recalls her daughter saying. Thankfully, Arizona's assessment was hardly universal. *Lullabies* was shortlisted for both the Governor General's Literary Prize and the Orange Prize for Fiction. (Arizona does like the new book, reports O'Neill.)

Interviewed in the wake of a Quebec election that resulted in yet another dramatic re-set of the province's political landscape, O'Neill regards Quebec as "a place that is constantly trying to define itself. There's always this constant [sense of], 'This is the way we are,' 'No, this is the way we are.' It has a fable-esque quality that many places just don't have."

One small part of the province in particular lingers on in her thoughts. O'Neill will probably always have a hard time letting go of that once-sketchy stretch of The Main, even after so much of its grit has been cleaned up in its transformation into Le Quartier des Spectacles.

Last year, O'Neill wrote an ode to the block that once was: "In my imagination... A pretty homeless girl writes the most beautiful poem in the Pool Hall. It's as lovely and as important as all the spectacles in all the fancy dance halls, as the visiting Ukrainian ballet dancers, the orchestras, the gymnasts and clowns, and the jazz musicians. It's a poem that proves there is a sprig of fragile human dignity in every corner of the world."

JULIET WATERS



SARAH MONGEAU-BIRKETT

Best-selling author Heather O'Neill keeps revisiting St. Laurent Boulevard in her novels.

SHOVEL READY

by Adam Sternbergh, BA'93

Are you a fan of dystopian cyberpunk? How about hard-boiled detective fiction? Or maybe bleak political satire is more your thing. Well, with *Shovel Ready*, the debut novel from *New York Times Magazine* culture editor Adam Sternbergh, you're in luck. All of you.

Shovel Ready focuses on Spademan, a garbage man turned assassin-for-hire in a near-future New York. In Spademan's Big Apple, a dirty bomb strike in Times Square caused all of the city's rich and powerful to either abandon Manhattan for the suburbs or hole up in their fortified penthouses, connected to virtual reality 'beds' where they are kept alive by nurses and IV nutrients. Though Spademan turns to contract killings to survive, he adheres to a strict moral code. He won't kill children, for instance.

That code is tested when Spademan is hired to kill the runaway daughter of a rich televangelist. When he discovers that she is pregnant, he turns into her reluctant protector. Careening from the "limnosphere" (the virtual reality world exploited by the villainous televangelist) to the mean streets of the real-world five boroughs, Sternbergh keeps his narrative foot firmly on the gas of the novel's supercharged plot, offering readers an exciting escape from whatever reality they might be living in.

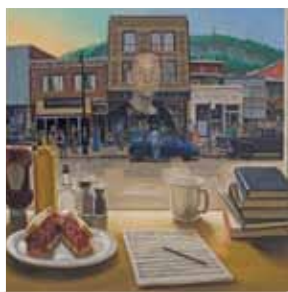
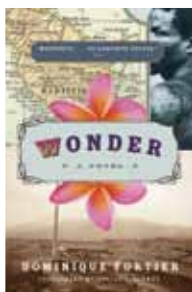
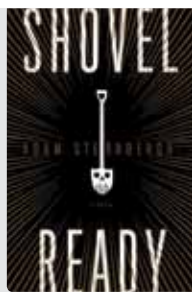
DIANNE FAGAN, MA'97

WONDER

by Dominique Fortier, PhD'03
(translated by Sheila Fischman)

A literary triptych of a read, *Wonder* weaves together three novella-like stories with interrelated themes and imagery, spinning out a curious cast of complex and richly drawn characters — some completely fictitious, some drawn from history.

Wonder is Quebec writer Dominique Fortier's second novel. Her first, *The Proper Use of Stars*, was a finalist for a slew of prizes, including the Governor General's Literary Award.



The new book introduces us to Baptiste Cyparis, the sole survivor of a volcanic eruption that destroyed Martinique on May 8, 1902 (his underground prison cell kept him safe), who is added to the Barnum & Bailey Circus as "The Man Who Lived through Doomsday."

We also meet Garance, a musician whose finely tuned ears pick up sounds coming from rocks and trees. Edward, her beloved, is a scientist intent on solving the mysteries of the trembling earth. Their willful personalities are eclipsed only by their eccentric bond, "suspended between heaven and earth, between music and mineral."

Fortier has a gift for transporting readers to other lands and other times in a manner that feels entirely fresh. An enthralling and touching novel, the book spans Victorian England and modern-day Montreal, with Fortier's evocative voice (deftly translated by Fischman) serving as an unwavering guidepost.

JENNIFER NAULT

THIS ONE SUMMER

by Mariko Tamaki, BA'98, and Jillian Tamaki

Following up on the award-winning success of their previous graphic novel *Skim*, author Mariko Tamaki and her illustrator cousin Jillian are establishing themselves as masters at chronicling the confusion and curiosity that adolescent girls grapple with while growing up.

Their latest book focuses on Rose, who is spending yet another lazy summer with her parents in sleepy Awago Beach, where a trip to the local convenience store for gummies, twizzlers and an age-inappropriate horror movie represents the high point in excitement.

But this isn't proving to be a typical summer. Rose develops a crush on the

store clerk (dismissively nicknamed "the Dud" by her younger friend Windy), who becomes entangled in a thorny predicament. More importantly, something is going on between her mom and dad. Her father's attempts to dismiss the tension — "It's all just adult junk that doesn't mean anything" — provide little consolation.

The book captures the rhythms of a small beach town — the unnerving spookiness of a cicada soundtrack on a dark night walk, the venom in the gossip where the locals all know one another.

Mariko has a knack for authentic-sounding dialogue and her writing pairs well with Jillian's graceful, distinctive illustrations. Heading to the cottage with a teen? Bring along *This One Summer*.

DANIEL MCCABE, BA'89

NOTES ON MONTRÉAL

by Mike Rud, BMus'92, MMus'98

Winner of the 2014 Juno Award for Vocal Jazz Album of the Year, *Notes on Montréal* isn't your typical jazz record. Montreal-based jazz guitarist Mike Rud has teamed with vocalist Sienna Dahlen, BMus'97, a string quartet and a top-notch rhythm section to produce what must surely be the first Montreal-themed jazz vocal concept album. Rud demonstrates he's not just a guitar ace, but a songwriter of depth and talent, with refined CanLit tastes to boot. Songs take inspiration from the words of Québécois and Canadian writers like Mordecai Richler, Michel Tremblay, Gabrielle Roy, Nicolas Dickner, and Leonard Cohen, making this a record to be explored on many different levels, both lyrical and musical. Odes to the Main, smoked meat, Parc La Fontaine, and more — all set to arrangements that take you by surprise.

ANDREW MULLINS

HONOURS & AWARDS 2014



The McGill Alumni Association honoured some of the outstanding graduates, volunteers and students who devote their time and energy to supporting McGill at its annual Honours and Awards banquet in May. You may already have caught the selfies on Twitter — here is more evidence that a fine time was had by all. PHOTOS BY NICOLAS MORIN



ATHLETICS COOL

Earl Zukerman shows off his Faculty and Staff Award with Athletics friends and alumni (or Hollywood producers — we're not sure).



60 YEARS AND COUNTING

The Engineering Class of 1953 was honoured for remaining such a close-knit group of grads for six decades. From left: MAA past president Tina Hobday, BA'88, BCL'93, LLB'93, Douglas Pollock, William Pangborn, Jacques Dubuc, Lawrie Jackson and MAA president Alan Desnoyers, BCom'85.

Award of Merit

Lili de Grandpré, MBA'81

Distinguished Service Award

Ann Vroom, BA'67

Marc Bieler, DipAgr'58, BA'64, and Marie Bieler, BSc(Agr)'80

E. P. Taylor Award

Jacques Bougie, LLD'10

David Johnston Award

Chandra Madramootoo, BSc(AgrEng)'77, MSc'81, PhD'85

Benjamin Burko, BSc'84, MDCM'88, and

Kevin Lachapelle, MDCM'88

Robert Fung International Award of Distinction

The Honourable James Nelson, BCom'69

James G. Wright Award

Dantes Rameau, BMus'05

Honorary Life Membership Award

Kelly Meighen

Faculty and Staff Award

Earl Zukerman, BA'80

Special Recognition Award

2013 Hult Prize Winners: Mohammed Ashour, MSc'11, MBA'17,

MDCM'17; Gabriel Mott, MBA'14; Jesse Pearlstein, MBA'14;

Shobhita Soor, BSc'10, BCL/LLB'15, MBA'15;

Zev Thompson, MBA'14

Alumni Event of the Year Award

McGill Women's Alumnae Association

High Tea Couture: Celebrating 125 Years of History

Catherine Nance Common President of the Year Award

Laurence Gagnon, Cert PR Mgmt'07

McGill Alumni Association of Boston

Charles Peters Branch of the Year Award

McGill Young Alumni — Montreal

Amandine Michaud, BMus'09, President

Alumni Student Engagement Award

Anita Mountjoy, BN'66, MSc(A)'76

D. Lorne Gales Award

Engineering Class of 1953: Jacques Dubuc, BEng'53;

Jean-Claude Garneau, BEng'53; Lawrence Jackson, BEng'53;

William McCrudden, BEng'53, William Pangborn, BEng'53;

Douglas Pollock, BEng'53

Gretta Chambers Student Leadership Award

Jonathan Collin, BEd'14

Laurent Duvernay-Tardif, MDCM'15

Joël Taillefer, BCom'14

Bernice Ting, BSc(FSc)'14

Honora Shaughnessy McGill Ambassador Award

Honora Shaughnessy, MLS'73



THE WRIGHT STUFF

Dantes Rameau, winner of the James G. Wright Award for his work with the Atlanta Music Project, with his proud parents Marie and Pierrot, and his McGill bassoon teacher, Stéphane Levesque, an assistant professor at the Schulich School of Music.



THE INCREDIBLE HULTS

Winners of the \$1 million 2013 Hult Prize for their project to farm insects for food in regions with high food insecurity, McGill MBA students received a Special Recognition Award. From left: Shobhita Soor, Gabriel Mott, Mohammed Ashour, Jesse Pearlstein, Zev Thompson.



HONOURING HONORA

Honora Shaughnessy, the retiring senior executive director of alumni relations at McGill, was taken by surprise when the Honora Shaughnessy McGill Ambassador Award was inaugurated in recognition of her 36 years of service to the University. From left: Principal Suzanne Fortier, BSc'72, PhD'76, Honora Shaughnessy and Vice-Principal Marc Weinstein, BA'85, BCL'91, LLB'91.



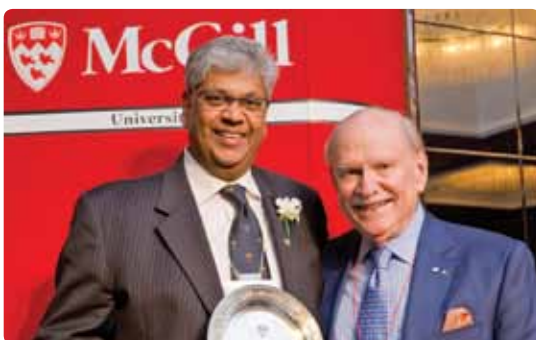
BABCOCK FEVER

Team Canada and Detroit Red Wings hockey coach Mike Babcock, BEd'86, LLD'13, was a popular guest at the banquet, having come to cheer on his pal Earl Zukerman, and he was happy to pose for photos, including with McGill Young Alumni winners Amandine Michaud, BMus'09, and Suzanne Dergacheva, BMus'07.



BIG MAN OFF CAMPUS

Recent NFL draft pick Laurent Duvernay-Tardif received a Gretta Chambers Student Leadership Award and was congratulated by Cynthia Price, BCom'82.



MAC CAMPUS MAGIC

Dean of Agricultural and Environmental Sciences Chandra Madramootoo poses with outgoing Chancellor Arnold Steinberg, BCom'54, LLD'00. Madramootoo received the David Johnston Award for his outstanding fundraising efforts on behalf of Mac.



ALL IN THE FAMILY

Award of Merit recipient Lili de Grandpré had a lot of family supporters on hand as she received the MAA's highest honour. From left: Louise de Grandpré, Pauline Godin, Chancellor Emeritus Jean de Grandpré, BCL'43, LLD'81, Lili de Grandpré, Suzanne de Grandpré, BScN'76, and David James, CertProfFr'98.



Julie Cobb is the warden of Archambault Institution.

She runs the joint

Think of all the prison flicks you've seen. Now, think about the wardens in those movies.

The men who run the penitentiaries in *The Shawshank Redemption*, *The Longest Yard* and *Escape from Alcatraz* tend to be nasty, cynical and vindictive.

JULIE COBB, BA'87, is no pushover, but she has a downright sunny disposition compared to those guys.

Cobb is the warden of Archambault Institution in Sainte-Anne-des-Plaines. It wasn't the career she had in mind when she finished her McGill degree in psychology. Anglophones were underrepresented in federal government jobs in Quebec at the time and her boyfriend's father was aware of attempts being made to rectify that. He urged her to send in an application. Cobb landed a position in Correctional Services Canada.

"I fell into the job by accident," she recalls. If she was initially surprised to find herself working for Correctional Services, she was even more surprised when she realized how much she enjoyed it.

Last June, at the official change of command ceremony during which she became Archambault's new warden, Cobb told the crowd, "I've had the greatest career."

She worked her way up. She has been a correctional officer, a parole officer, a unit coordinator and the deputy warden of the Joliette Institution for Women.

"I never have two days that are the same — that's what makes the job so interesting," says Cobb. "We have more than 500 offenders here and almost 400 staff members. It's like being in a little city."

Archambault is a medium security facility. "We have every type of offender here," says Cobb, "everything from two-year sentences to life sentences." One of the prison's most notorious inmates is Valeri Fabrikant, who murdered four of his colleagues at Concordia in 1992.

"When offenders come into the system, they're assessed for their risk level," Cobb explains. "That involves their capacity to follow rules, the risk they might pose to public safety and the risk of an escape attempt." Archambault's inmates "pose a medium level of risk."

"I'm responsible for the safety of everyone who works here and for the community that surrounds us. I don't ever take that lightly," says Cobb.

"A big part of our job here is to give [inmates] the tools they need to get their lives back on track," says Cobb. "I really believe in that as a fundamental value." Successful rehabilitation benefits everyone, she adds. "Almost all the inmates here get out of jail eventually."

Archambault prisoners have access to job training, education programs and counselling. "We try to help them rebuild relationships with their family members," says Cobb. Noting that many offenders arrive with addiction issues or other medical concerns, she adds, "We give them the opportunity to get their health back."

"In the end, it's up to the individual," says Cobb. "It's up to them to use [the resources available] or not to use them."

Cobb is careful to keep constant tabs on the environment inside Archambault. "When the climate [in a penitentiary] is crappy, there's a lot of tension. There's more fighting." She regularly meets with an inmate committee ("You get useful feedback") and receives daily briefings from her staff on what transpired during the previous 24 hours. "Walkthroughs are invaluable," Cobb says. "Just walking around, talking with staff and inmates. I try to do that at least a couple of times a week."

The warden in *Cool Hand Luke* famously lamented, "What we have here is a failure to communicate." That's a problem that Cobb is determined to avoid. 🐼

DANIEL MCCABE, BA'89

AGRICULTURAL & ENVIRONMENTAL SCIENCES

AMIN I. KASSIS, PhD'76, is a professor of radiology at Harvard Medical School in Boston and the director of the experimental radionuclide therapy and radiobiology sections at the Brigham and Women's Hospital. He received the 2013 Scientific and Technological Achievement Award from Takreem, an organization that recognizes Arabs who have excelled in a variety of fields.

SONDRA SHERMAN, BSc'76, BSc(FSc)'78, a dietician and nutritionist at the Jewish General Hospital, received the Award of Excellence and Dedication from the Canadian Diabetes Educator Certification Board.

CHARLES VINCENT, PhD'83, has been elected a fellow of the Entomological Society of America, a title recognizing individuals who have made outstanding contributions to the field of entomology. He was also recently presented the Gold Harvest Award for Innovation, Collaboration and Service Excellence by Agriculture and Agri-Food Canada. He is the co-author of *Insect Pests of Potato: Global Perspectives on Biology and Management*, which was published in 2013, and is an adjunct professor in McGill's Department of Natural Resource Sciences.

PETER ENRIGHT, BSc(AgrEng)'86, MSc'89, the director of the farm management and technology program at McGill's Macdonald Campus, received the Canadian Society of Bioengineering's Jim Beamish Award, given annually to a CSB member for producing outstanding work in industry, teaching, research or extension in the area of soil and water or environmental sciences.

JENNIFER GARDY, GradCertBiotech'01, is a senior scientist with the British Columbia Centre for Disease Control and an assistant professor in the School of Population and Public Health at the University of British Columbia. She collaborated with illustrator Josh Holinaty on *It's Catching: The Infectious World of Germs and Microbes*, a book that offers young readers a playful examination of the workings of the microbial world.

Jennifer has guest hosted on both CBC's *The Nature of Things* and Discovery Channel Canada's *Daily Planet*.

ARCHITECTURE

WITOLD RYBCZYNSKI, BArch'66, MArch'72, DSc'02, was a finalist for the 2013 Marfield Prize for his most recent book, *How Architecture Works: A Humanist's Toolkit*. The Marfield Prize, sponsored by the Arts Club of Washington, honours outstanding nonfiction books about the arts. He was also a finalist for a 2014 National Magazine Award in the Columns and Commentary category for three pieces he wrote for *Architect*.

JEAN DUFRESNE, BArch'98, recently opened up a new office of SPACE Architects + Planners in Chicago, celebrating 10 years of business with partner, friend, and co-founder of their firm, Jay Keller.

DAVID CAMERON, BSc(Arch)'13, and **ERIC ABOUTBOUL**, BCom'13, are among the co-founders of Stori, a platform for sharing real-time stories. Stori, developed by a McGill student team, was the 2013 winner of the FounderProject's annual build-a-startup competition, prevailing over 119 other student startups from across Canada.

ARTS

JOHN FRY, BA'51, published *A Mind at Sea: Henry Fry and the Glorious Era of Quebec's Sailing Ships*. The book offers a window into Henry Fry's life as an agent for Lloyd's on the St. Lawrence River in the mid-nineteenth century, during the high point of Canada's maritime prowess, when Quebec was a city of wealth and influence.

CHARLES TAYLOR, BA'52, is an emeritus professor of philosophy at McGill and the 2013 recipient of the American Political Science Association's Benjamin E. Lippincott Award, which honours a work of exceptional quality by a living political theorist that is still considered significant after a time span of at least 15 years since the original publication. The award honours his widely influential book *Sources of the Self: The Making of the Modern Identity*, which was first published in 1989.

KEVORK DJANSEZIAN



JENNIFER GASOI, BA'96, was part of a surprisingly large contingent of McGill graduates who fared extremely well at the 2014 Grammy Awards. Gasoi won the Grammy for Best Children's Album for her CD *Throw a Penny in the Wishing Well*. Other McGill winners included **ESTELÍ GOMEZ**, MMus'11, a member of the eclectic vocal group Roomful of Teeth (Best Chamber Music/Small Ensemble Performance for their self-titled album), **BRIAN LOSCH**, MMus'10, (he shared the Grammy for Best Engineered Album, Classical, for his work on *Winter Morning Walks*) and **CHILLY GONZALES** (aka Jason Beck, BMus'94), one of the featured artists on Daft Punk's *Random Access Memories*, the winner of Best Album. Also nominated for Grammys this year were jazz composer and bandleader **DARCY JAMES ARGUE**, BMus'97, indie musician **ZAC DECAMP**, BSc'03, and electronic music duo **NED SHEPARD**, BA'05, and **OSSAMA AL SARRAF**, BEng'01.

JOHN BRINCKMAN, BA'55, recently published *Down North: On the Mackenzie with John Buchan and Margaret Bourke-White*. In 1937, Lord Tweedsmuir, the Governor General of Canada, better known as the world-famous author John Buchan, journeyed down the Mackenzie River during a tour of the North. Margaret Bourke-White, a world-famous photographer, joined him on this journey. Most of their work on this trip has never before been published.



ANNA GAINÉY, BA'01, was elected as the new president of the Liberal Party of Canada in February. She is the executive director of the Gainey Foundation, which provides funding for environmental and arts education programs for youth. A senior advisor to Justin Trudeau during his successful campaign to become Liberal Party leader, she was a NATO policy advisor to former foreign affairs minister Bill Graham. She first became active in the party when she joined the Young Liberals of Canada at McGill.

John's e-book chronicle of this event can be ordered from onthemackenzie.wordpress.com

HARRIET PEMBERTON SMITH, BA'65, has worked as a parliamentary interpreter for more than 40 years in Ottawa. She is also the artistic executrix for her late aunt, the painter Freda Pemberton Smith. An exhibition of Freda Pemberton Smith's work is being planned for the fall at West End Gallery in Westmount.

JAMES ARCHIBALD, BA'67, has been named by the Quebec government to serve as a member of the Office des professions du Québec, a governmental agency whose mandate is to ensure that each professional order fulfills its function of protecting the public. He is the director of translation studies at McGill's School of Continuing Studies.

ELAINE KALMAN NAVES, BA'67, recently published her seventh book, *Portrait of a Scandal: The Abortion Trial of Robert Notman*. The book recounts the true story of legendary Canadian photographer William Notman's black-sheep brother, Robert, whose love affair with a student at the McGill Normal School came to light following the suicide of the doctor who performed an abortion on her in 1868. The subsequent trial of Robert Notman became a cause-célèbre. You can visit Elaine's website at elainekalmannaves.com.

SHERRILL GRACE, PhD'74, is the associate dean of arts at the University of British Columbia and a professor of English at UBC. She was named to the Order of Canada as an officer in December. An expert on 20th Century Canadian

literature and culture, Sherrill has explored the work of such influential Canadian creators as Margaret Atwood, Sharon Pollock and Tom Thomson.

ERICA STEVENS, BA'74, is a professor at the University of Windsor's School of Dramatic Art. She recently co-edited a book on the political playwright Naomi Wallace. The book brings together a range of scholarship (including some of her own work) along with pieces from leading directors, activists, and other theatre practitioners from North America, the U.K., France and the Middle East, and is the first such publication to focus on the groundbreaking playwright.

CHARLIE CLARK, BA'76, a former McGill Daily features editor, has published *Arlington County Chronicles*, a collection of essays about his Virginia hometown taken from his weekly column "Our Man in Arlington" that appears in the *Falls Church News-Press*. The book is published by The History Press out of Charleston, S.C.

RHODA E. HOWARD-HASSMAN, PhD'76, a Canada Research Chair in International Human Rights at Wilfrid Laurier University, was awarded the Sir John William Dawson Medal by the Royal Society of Canada last November. The biennial award, named after the multi-talented former McGill principal, recognizes important academic contributions in multiple domains or in interdisciplinary research.

RON BURNETT, PhD'81, was named to the Order of Canada as a new member in December. The former director of McGill's graduate program in communications, he was recognized for his leadership in

arts education, notably as the president of Emily Carr University.

MARCY GOLDMAN, BA'81, published her fourth cookbook, *When Bakers Cook*, this time under her own imprint, River Heart Press. The book was included in the *Washington Post's* Best Cookbooks of 2013. Marcy's food writing has appeared in the *New York Times*, *Bon Appetit*, *Food & Wine* and other publications. *When Bakers Cook* offers more than 175 recipes, including Moroccan Spice Chicken and Salted Caramel Cheesecake.

MARC MAYER, BA'84, was reappointed to a second five-year term as the director of the National Gallery of Canada in December.

NESRIN SHAHEEN, BA'91, is the founding president of the Anti-NMDA Receptor Encephalitis Foundation, a charitable organization that raises awareness about a rare and dangerous neurological disorder that can be catastrophically debilitating. The disorder typically targets young women and girls. Nesrin's daughter was stricken with the disease in 2008 and became the first diagnosed case in Canada. For more information, please visit www.antinmdafoundation.org.

JANE (GILCHRIST) HOLDEN, BA'83, is the executive director of investment programs management for Canada Health Infoway (*Infoway*). Founded in 2001, *Infoway* is a federally-funded, not-for-profit organization whose role is to help improve health and health care by collaborating with provinces and territories in navigating Canada's move from paper to digital health. Jane leads a team of project management professionals involved in *Infoway* who recently became the first Canadian winners of the international Project Management Office of the Year award. The award was presented by the Project Management Institute, which is the world's largest not-for-profit membership association for the project management profession with more than 700,000 members.

LINDSAY GLASSCO, BA'87, began her new job as the international cooperation and development director of the International Olympic Committee in

Bringing Quality Care to Seniors



A wise doctor once said that
The best medicine for humans is
“CARE and LOVE”

When asked “If it doesn’t work?”
He smiled and answered
“INCREASE THE DOSE!”

Do you have elderly parents in Montreal?

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January, after stepping down from her previous role as the president and CEO of Special Olympics Canada. The IOC's Department of International Cooperation and Development supports dialogue and cooperation between those involved in sports management at national and international levels. It also promotes the principles of the Olympics worldwide.

CHRISTOPHER MAINELLA, BA'90, was recently appointed a judge of the Court of Appeal for Manitoba after serving as a judge of Her Majesty's Court of Queen's Bench for Manitoba in Winnipeg.

STEVEN BRIGHT, BA'92, wrote several TV features and news scripts for CBC's coverage of the Winter Olympics in Sochi. He started his own writing and consulting business in 2011 after working for many years in corporate communications and public relations. He writes executive speeches and digital content (websites, blogs, newsletters) for a wide variety of clients.

CYNTHIA E. MILTON, BA'92, is the Canada Research Chair of Latin American History and an associate professor of history at the Université de Montréal. She is the editor of *Art from a Fractured Past: Memory and Truth-Telling in Post-Shining Path Peru*. Expanding on the work of Peru's Truth and Reconciliation Commission, the anthology features scholars and artists examining how artistic production in Peru sheds light on how Peruvians experienced the political violence that afflicted their country in the eighties and nineties and how they have attempted to come to terms with the memories and legacies of that violence.

ANDREW POTTER, BA'93, was named the new editor of the *Ottawa Citizen* last December. He previously served as the newspaper's managing editor. Prior to that, he was a public affairs columnist for *Maclean's* and an assistant professor of philosophy at Trent University. Andrew is the author of *The Authenticity Hoax: How We Get Lost Finding Ourselves* and a co-author of *The Rebel Sell: Why the Culture Can't be Jammed*.

CASSANDRA CRONENBERG, BA'95, is a painter, writer and filmmaker living in Toronto. Her new book, *Sex, Hope and Dope*, traces a woman in an unravelling marriage as she reaches for anything to numb the pain, including fantasies, illicit affairs and drugs. Cassandra has worked as an assistant director in feature film for 10 years and has been a part of numerous group and solo painting exhibitions. She recently wrote, directed, produced and acted in her first short film, *Candy*, which premiered at the Toronto International Film Festival in 2013.

CHLOË GRYSOLE, BA'98, is the new general manager of special effects firm Cinesite's Montreal location. She first began working for Cinesite in London as a freelance production executive. During her time with the company, she has produced Cinesite's visual effects on the hugely successful Harry Potter franchise, in particular on *Harry Potter & the Half Blood Prince* and *Harry Potter & the Deathly Hallows: Part 1* and *Part 2*. She was nominated for an Emmy Award for her work on HBO Films' production *Into the Storm* and worked on the James Bond film *Skyfall*.

CAROLINE KENDALL, BA'01, has moved from finance into the fast-paced world of mobile. Currently the director of marketing with Liquid Wireless (Publishers Clearing House's mobile media network), she is focusing on developing the third party app market. She can also be found competing in triathlons.

RACHEL JORDANA HORODEZKY, BA'04, is a clinical psychologist in California and the founder of Creative Dance Psychology, an expressive movement therapy. Visit www.creativedancepsychology.com to find out more.

SEAN MICHAELS, BA'04, is the author of *Us Conductors* (Random House), a novel based on the life and loves of real-life Russian scientist, inventor and spy Lev Termen, the creator of the theremin. Sean has written for the *Guardian* and *McSweeney's*, has earned two National Magazine Awards for his work and is the founder of the influential music blog *Said the Gramophone*.

BASHAR SHBIB, MA'04, is a filmmaker. He has recently finished work on his latest feature film, *Aporia*, a comedy that traces the efforts of two sisters from Los Angeles who are searching for a missing third sister in Turkey.

JEAN-OLIVIER DALPHOND, BA'05, is the commercial director for PixMob, a Montreal-based company that specializes in using innovative digital lighting technology to create special effects for special events. The company helped transform the audience at the 2014 Super Bowl into a human video screen and has collaborated with Arcade Fire,



EVAN GOLDBERG, BA'05 (left), and Seth Rogen, are the recipients of the 2014 CinemaCon Comedy Filmmakers of the Year award, awarded by CinemaCon, the official convention of the National Association of Theatre Owners in the U.S. The duo co-wrote and co-directed *This is the End*, a comedy about celebrities coping with apocalyptic events that starred Rogen, James Franco and Jonah Hill. Goldberg and Rogen were also recently featured in *Variety's* annual Comedy Impact Report, which spotlights the most influential individuals working in the world of comedy. Their latest film, *Neighbors*, was released in May.



MIKE BABCOCK, BEd'86, LLD'13, was the coach of the Canadian men's hockey team at the Sochi Winter Olympics earlier this year and led the team to a gold medal at the tournament. Babcock donned a black McGill tie for the gold medal match, a tie he received in the fall when he was awarded an honorary degree by the University. In 2010, he coached the Canadian squad to a gold medal at the Vancouver Games, sporting a red McGill tie for the gold medal game.

Celine Dion and the Black Keys. The PixMob team also includes account manager **ROBYN COLETTE**, BA'05, and client relations coordinator **JONATHAN COLLIN**, BEd'14.

JEREMY YOUNG, BA'07, is a Brooklyn-based sound and visual artist and the co-founder of Palaver Press, a sound and text publishing company. Palaver recently published *FASCIA*, a collection of short stories that pairs the work of young contemporary fiction writers with original music by independent composers.

DENTISTRY

JAMES BRASS, DDS'75, was posthumously awarded the Honoured Member Award from the College of Dental Surgeons of BC. The prize is the college's highest distinction. James served as the treasurer, vice-president and president of the college and volunteered on several of its committees.

EDUCATION

PETER BALYTA, BEd'94, PhD'07, has been named the new vice president of Texas Instruments. He is also the president of the company's education technology division, which focuses on educational technology to improve student achievement in mathematics and science. Peter joined TI in 2000 as a manager of educational sales. He has since held a number of positions within the education technology division, serving most recently as director of worldwide marketing.

TERRY KHARYATI, BEd'94, was selected as one of Canada's 2014 Outstanding Principals by the Learning Partnership,

a national charitable organization committed to advancing publicly funded education in Canada. As the principal of Hadley Junior High School and Philemon Wright High School in Gatineau, Quebec, Terry worked with his teachers to address problems related to erratic attendance and under-achievement. As part of the Canada's Outstanding Principals program, he joined other winning principals from across the country for a five-day executive leadership training program organized by the Learning Partnership at the University of Toronto's Rotman School of Management.

RICHARD DAVID PARKER, GradCert-EdLeadership'12, received the 2013 Ruth Ridenhour Scholarly and Professional Achievement Award from High Point University in North Carolina where he serves as an associate professor of business and chairman of the Department of Marketing and Sports Management at the Earl N. Phillips School of Business. The Ridenhour Award is given annually to a High Point faculty member who has made exceptional contributions to his or her professional discipline.



GREGORY DAVID, BCL'93, LLB'93, has created and endowed the Robert J. David Bursary in Dentistry to support top students in financial need enrolled in the Faculty of Dentistry's DMD program. The award pays tribute to his father, **ROBERT J. DAVID**, DDS'62, who has chaired the Faculty's Continuing Education Program on a voluntary basis since 1995. Robert received the 2011 McGill Alumni Association Distinguished Service Award and is a past recipient of the Faculty's top prize for teaching.

ENGINEERING

LEON KATZ, BEng'50, was made a fellow of the Engineering Institute of Canada in recognition of his exceptional contributions to engineering in Canada. One of the first engineers in Canada to specialize in clinical medicine, Leon invented and hand-built a wide range of hospital instruments, including a fetal heart monitor and an infant incubator. Operating his own original heart-lung bypass machine, Katz was the perfusionist for Canada's first successful open-heart surgery, and for thousands of subsequent surgeries.

ARUN S. MUJUMDAR, MEng'68, PhD'71, received an honorary professorship from Jiagnan University in the Province of Jiangsu, China in February. He was also awarded the National Award for International Cooperation in Science and Technology by the People's Republic of China at a function held in Beijing in January. He is the director of the Minerals, Metals and Materials Technology Centre at the National University of Singapore.

IAN SHAPIRO, BEng'81, is the founder of Tatem Engineering, a 40-person consulting firm that specializes in energy conservation and renewable energy.

He is also the co-author of *Green Building Illustrated* with architectural scholar and author Frank Ching. The book offers a graphical presentation to the theory, practices and complexities of sustainable design.

KARINE SAINT-CYR, MEng'99, and Bernard Juchet are happy to announce the birth of their third child, a son named Arnaud, born in Montreal in August 2013.

IGOR BRATNIKOV, BEng'09, is the co-founder and chief operating officer of Wanderu.com, a portal for booking bus and train tickets across the U.S. and Canada. Wanderu now offers direct bus trips from New York to Montreal and back.

LAW

MICHAEL GOLDBLOOM, BCL'78, LLB'79, is the president and vice-chancellor of Bishops University in Lennoxville. He was named to the Order of Canada as a new member in December. The former Montreal *Gazette* publisher and YMCA de Montréal president was recognized for his dedication to building bridges between Montreal's English- and French-speaking communities.

MARIE DESCHAMPS, LLM'83, a former justice on the Supreme Court of Canada, was named to the Order of Canada as a companion in December in recognition of her numerous contributions as a jurist and for her dedication to youth development. She is an adjunct professor of law at the Université de Sherbrooke and a faculty researcher at McGill's Faculty of Law.

ANDREW FOTI, BCom'83, LLB'86, is the founder and CEO of Avokka LLP, a new legal services firm providing outsourced virtual general counsel services to mid-sized Canadian businesses in Toronto, Ottawa and Montreal.

JEFFREY EDWARDS, BCL'86, LLB'86, an adjunct professor of law at McGill and a lawyer who specialized in the resolution of construction and product quality claims, was appointed as a new justice to the Civil Division of the Court of Quebec in Montreal. An accredited arbitrator and mediator, he is a leading Quebec expert in the law of product quality and defective workmanship.

JAN-FRYDERYK PLESZCZYNSKI, BCL/LLB'00, is the new chairman of the board for the Conseil des arts de Montréal, which supports artistic excellence in the city by showcasing Montreal artists and promoting the cause of art through grants, tours, residencies and the Grand Prix du Conseil des arts de Montréal. Jan-Fryderyk is the president of Digital Dimension and Meduzarts, firms which supply special effects and various types of art for the film, TV, video game and advertising industries.

LAURO GAMA, JR., LLM'00, is the new president of the Brazilian Arbitration Committee. He is a practicing lawyer and arbitrator based in Rio de Janeiro. During his two-year term as committee president, he will also continue to teach private international law and arbitration at the Pontifical Catholic University of Rio de Janeiro.

IAN C. PILARCZYK, BA'92, LLM'97, DCL'03, and wife Heather Bourne are the proud, but chronically exhausted, parents of young sisters Emma and Samantha. Ian was recently named director of Boston University School of Law's legal English certificate program, in addition to continuing as director of the executive LL.M. program in international business law. He contributed an essay to the recently published *Essays in the History of Canadian Law: Quebec and the Canadas* (University of Toronto Press).

PAUL HESSE, BCL/LLB'05, is now a partner with Pitblado Law in Winnipeg, Manitoba. He practices primarily in the area of immigration law.

MANAGEMENT

DICK IRVIN, BCom'53, was named to the Order of Canada as a new member in December. The veteran sports journalist and author was a member of the *Hockey Night in Canada* broadcasting team for more than 30 years.

J. ROBERT SWIDLER, BCom'68, reestablished his former management consulting firm J. Robert Swidler & Associates Inc. with offices in Place Ville Marie. He is also chairman of the Desautels Faculty of Management's advisory board and was recently honoured by the Faculty for his exceptional philanthropic support and volunteer leadership in establishing the Desautels Faculty Advisory Board Fund for Career Advising.

DEREK GROUT, MBA'71, recently published his second book, *RMS Empress of Ireland: Pride of the Canadian Pacific's Atlantic Fleet*, timed for the centennial of the sinking of this famous ocean liner on May 29. The loss of the *Empress* was, and remains, Canada's worst maritime disaster, in which more than 1,000 people lost their lives.

WANDA BEDARD, BCom'82, is the founder and president of 60 million girls, a foundation that supports education projects aimed at supporting vulnerable and marginalized girls in impoverished countries with significant gender disparities in school enrolment. The foundation has invested more than \$1.7 million in



JOE OLIVER, BA'61, BCL'64, became Canada's new finance minister in March. He had been the federal minister of natural resources since May 2011. Before entering into politics, he was the executive director of the Ontario Securities Commission and the CEO of the Investment Dealers Association of Canada. During his studies at McGill, he chaired the *McGill Daily* editorial board and edited the *McGill Law Journal*. His successor as natural resources minister is a fellow McGill law graduate, **GREG RICKFORD**, BCL/LLB'05.



JOHN RANKIN, LLM'85 (left), is the British high commissioner to Sri Lanka and Maldives. **PETER MACARTHUR**, BA'81, is the director general of trade and diplomacy for South and Southeast Asia and Oceania at Foreign Affairs, Trade and Development Canada. The two diplomats, both former members of the McGill Debating Union, recently crossed paths in Sri Lanka for the first time in 32 years.

16 projects in 13 countries. To find out more, visit www.60milliongirls.org.

EMILIO IMBRIGLIO, MBA'85, is the new president and chief executive officer of Raymond Chabot Grant Thornton, a network of public accountants and management consultants with more than 2,400 employees and offices in Quebec, eastern Ontario and New Brunswick. He is a member of the board of directors of the Canadian Council for Public-Private Partnerships (CCPPP) and a member of the Green Municipal Fund (GMF) Council of the Federation of Canadian Municipalities (FCM). He also sits on the board of directors of Les amis de la montagne.

RAMI ASLAN, BCom'94, MBA'97, became the CEO of Türk Telekom, Turkey's leading communications and convergence technology company, last December.

JANICK BOUDREAU, MBA'08, is the director of portfolio management at Otéra Capital and the recipient of the Volunteer of the Year Award from the CFA

Society Montréal. The award highlights her outstanding volunteer work with the CFA Society Montréal since 2007. The prize noted her contributions as the chair of the oversight committee of the Canadian Advocacy Council.

ANDREW MOUSSA, BCom'08, is the founder of Imperium Denim which produces unique and eco-friendly jeans. The Montreal-based company's denim is made from cotton and recycled plastic bottles and there are subtle messages meticulously stitched and printed on every pair of jeans. For more information, visit imperiumdenim.com.

ALAIN BRUNET, MBA'11, became the new president and CEO at the Société des alcools du Québec in January. He began his SAQ career in the sales department in 1981 and had recently served as the SAQ's vice-president and chief operating officer.

BRIAN LUONG, BCom'13, was part of the 2013 cohort of The Next 36 program, which supports the efforts of young

Canadian entrepreneurs with exceptional potential. Together with **SEPAND NOROUZI**, BEng'13, and **JEAN AMIOUNY**, BEng'13, Brian co-founded Glimpse, which offers real estate agents comprehensive profiles of potential homebuyers.

MEDICINE

DAVID SWALES, BSc'59, MDCM'61, was awarded an honorary life membership in the Canadian Medical Association for service to the profession and the community. He previously was awarded honorary life membership in the Ontario Medical Association and the Glenn Sawyer Award, also for service to the profession and the community.

MICHAEL POLLAK, MDCM'72, received the Canadian Cancer Society's O. Harold Warwick Prize last spring. The award goes to a scientist whose research has had a major impact on cancer control in Canada. He is the director of the Division of Cancer Prevention in McGill's Department of Oncology and the director of the Cancer Prevention Centre at the Jewish General Hospital's Segal Cancer Centre.

MARLA SHAPIRO, MDCM'79, was named by *Women of Influence* magazine as one of Canada's Top 25 Women of Influence. Marla has served as a medical consultant for *CTV National News* since 2001. She is the founding editor of *ParentsCanada* magazine and the host of *Dr. Marla & Friends*, a weekly TV show that covers medical topics and stories.

GRAHAM HUGHES / CANADIAN PRESS



The Canadian Olympic women's hockey team beat their American archrivals in a thrilling overtime championship game to win the gold medal at the Sochi Games. The team included three players who have starred for the McGill Martlets: education student **MÉLODIE DAoust** (first from left), **CHARLINE LABONTÉ**, BEd'12 (second from left), and **CATHERINE WARD**, BCom'09 (far right).



BRENDA MILNER, PhD'52, DSc'91, continues to collect major international awards. Earlier this year, Milner was among the winners of Israel's Dan David Prize, which recognizes outstanding scientific, technological, cultural or social achievements. More recently, she was one of the recipients of Norway's Kavli Prize in Neuroscience. McGill's Dorothy J. Killam Professor of Psychology, Milner is widely recognized as one of the founders of cognitive neuroscience — the field that brings together brain and behaviour.

ERNESTO SCHIFFRIN, PhD'80, is McGill's Canada Research Chair in Hypertension and Vascular Research and the Jewish General Hospital's physician-in-chief. He received the American Society of Hypertension's 2013 Robert Tigerstedt Award, which recognizes outstanding achievements in the field of hypertension.

MIMI ISRAËL, BSc'78, MDCM'83, DipPsych'87, was awarded the 2013 Prix Reconnaissance de carrière Persillier-Lachapelle, an honour recognizing her career-long commitment to improving health and social services. The psychiatrist-in-chief of the McGill-affiliated Douglas Mental Health University Institute, her research focuses primarily on eating disorders, though her interests also include crisis intervention, emergency psychiatry and the organization and delivery of mental health services.

MARC LADANYI, MDCM'84, received the College of American Pathologists (CAP) Distinguished Patient Care Award. The award recognizes his contributions as a co-chair of the CAP Pathology and Laboratory Quality Center expert panel, which developed the "Molecular Testing Guideline for Selection of Lung Cancer Patients for EGFR and ALK Tyrosine Kinase Inhibitors," a set of recommendations created to treat patients with advanced lung cancer more effectively. Marc is an attending pathologist in the Molecular Diagnostics Service at New York's Memorial Sloan Kettering Cancer Center, as well as a co-director of the hospital's Genome Data Analysis Center.

EWAN AFFLECK, MDCM'90, MedResident'92, was named to the Order of

Canada as a new member in December. He was recognized for his commitment to improving health care services in northern communities. A general practitioner based in Yellowknife, he travels across the Northwest Territories to provide health care to patients in remote areas.

CAROL LANE, MSc'94, is a clinical neuroscientist at the University of British Columbia and a research specialist at Mitacs, a non-profit research network. Last November, she was one of the recipients of the Minerva Foundation for B.C. Women's Women in Science Awards. She received the Philanthropy Award and was praised for both her scientific contributions and for her mentoring of students, young industrial scientists and paramedics.

MICHAEL DYCK, BSc(PT)'09, and **GLYNN RANKIN**, MDCM'12, are the co-founders of MTLacappella, a Montreal-based acappella music festival that recently gathered

together 28 vocal groups from Quebec, Ontario and the U.S. for its third edition. The co-founders were inspired by their years singing with McGill's *Effusion a cappella*.

MUSIC

CONSTANCE V. PATHY, LMus'71, LMus'86, was named to the Order of Canada as a new member in December. She was recognized for her contributions to the vitality of classical dance and music in Quebec. She is the president of the board of directors for Les Grands Ballets and the president of the Ladies Morning Musical Club, one of Canada's top chamber music presenters. She has served on the Faculty Advisory Board of the Schulich School of Music since 1991.

WANDA LILLIAN KALUZNY, BMus'76, MA'85, is an award-winning conductor and the founder and artistic director of the Montreal Chamber Orchestra, an ensemble celebrating its 40th anniversary in 2013-14.

DOMINIQUE LABELLE, LMus'86, is returning to her alma mater in August as a voice professor at the Schulich School of Music. The soprano has collaborated with some of the world's most respected conductors, composers and directors, including Peter Sellars, Pulitzer Prize-winner Yehudi Wyner and the late Robert Shaw, and she has appeared on stages throughout Europe, Asia and North America.



MIKE DOWNES, BMus'88, was part of an impressive sweep of the jazz categories by graduates of the McGill jazz program at the 2014 Juno Awards. His CD *Ripple Effect* won the Juno for Traditional Jazz Album of the Year, while the Christine Jensen Jazz Orchestra (including several McGill alumni and led by **CHRISTINE JENSEN**, BMus'94, MMus'06) won Contemporary Jazz Album of the Year for *Habitat* and **MIKE RUD**, BMus'92, MMus'98, and **SIENNA DAHLEN**, BMus'97, won for Vocal Jazz Album of the Year for *Notes on Montreal*. **WIN BUTLER**, BA'04, and Arcade Fire earned two Junos, winning for Album of the Year and Alternative Album of the Year.

MARK BALLORA, PhD'00, created sounds based on astronomical data for the short film *Rhythms of the Universe*, which was produced by former Grateful Dead percussionist Mickey Hart and Lawrence Berkeley Labs cosmologist George Smoot. The film premiered September 29, 2013, at the Smithsonian Air and Space Museum in Washington, D.C. The film and the discussions from the premiere can be seen online at www.ustream.tv/recorded/39395730. Mark described the creation of music from data sets (sonification) in a talk at TEDxPSU 2011, which can be seen at www.youtube.com/watch?v=aQJfQXGbWQ4. He is an associate professor of music technology at Penn State.

NICOLE LIZEE, MMus'01, was awarded the 2013 Jules Léger Prize for New Chamber Music by the Canada Council for the Arts for her composition titled *White Label Experiment*, a work inspired by renowned American composer John Cage. The 2013 Jules Léger peer assessment committee called the piece "unique and daring," noting that the work "masterfully blends a wide range of timbres, from non-pitched hi-hats and typewriters, to quasi-pitched toy pianos and turntable sine waves."

STEPHEN JOHNSTON, MMus'05, is a jazz guitarist represented by Direct Entertainment Group, a Montreal-based live talent music agency. He performs regularly with other Direct Entertainment musicians at Baton Rouge — both the de la Montagne and Complex Desjardins locations.

RELIGIOUS STUDIES

JENNIFER BAICHWAL, BA'90, MA'96, is a documentary filmmaker and the co-director of *Watermark*, an exploration of the ways in which humans interact with water around the world. Featuring footage shot in 10 countries, the movie received the \$100,000 Rogers Best Canadian Film Award from the Toronto Film Critics Association. It was also named "Best Documentary" at the 2014 Canadian Screen Awards.



FRANCO VACCARINO, MSc'81, PhD'83, will become the new president of the University of Guelph in August. He'll be leaving the University of Toronto Scarborough, where he has served as president since 2007. An expert on the neurobiology of stress and motivation, he is the former chair of the University of Toronto's Department of Psychology and the former executive vice-president (programs) and vice-president (research) of the Centre for Addiction and Mental Health.

SCIENCE

JOE SCHWARCZ, BSc'69, PhD'74, is the director of McGill's Office for Science and Society. The author of several best-selling books about science, he recently published *Is That a Fact*, which explores a range of science-related topics, including GMOs, "miracle weight-loss foods" and the hype surrounding organic foods, in an attempt to separate scientific fact from folly.

FRANCES ABOUD, MA'70, PhD'73, is a professor emerita of psychology at McGill. She recently received the Canadian Psychological Association's Award for Distinguished Contributions to the International Advancement of Psychology. The prize honours CPA members or fellows who have made significant contributions to the international advancement of psychology.

FRED GENESEE, MA'70, PhD'74, is a professor emeritus of psychology at McGill. He was presented with the Adrien Pinard Award by the Société Québécoise pour la Recherche en Psychologie for his outstanding contributions to psychology.

ALAN RAUCH, BSc'77, is a professor of English at the University of North Carolina at Charlotte. His new book *Dolphin* (Reaktion Books) offers a comprehensive view of dolphins, describing both their remarkable zoology and their social and cultural history.

TONI GASPARINI, BSc'81, recently created CatSit, a cat sitting business in Ottawa. Over the course of her career, she has held positions at McGill, the Ottawa Hospital, the Natural Sciences and

Engineering Research Council and the Canadian Institutes of Health Research. She says her love for cats first blossomed when she began dating her future husband, the owner of three cats, in 1991. For more information, visit catsit.ca.

MORLEY HANSON, DipNorthernStudies'83, was named to the Order of Canada as a new member in December. He was recognized for his commitment to empowering Inuit youth, notably as the coordinator of Nunavut Sivuniksavut, a unique eight-month college program based in Ottawa.

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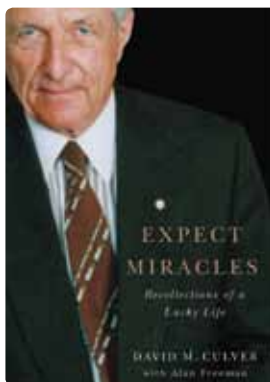
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ALICE CASSIDY, MSc'87, designs and coordinates first-year courses at the University of British Columbia and, through her company, In View Education and Professional Development, facilitates teaching and learning workshops for teachers and trainers in a variety of settings. 2013 marks the end of her three years as the inaugural coordinator of the 3M National Student Fellowship for undergraduate student leaders. She focuses on educational development, sustainability education and leadership, the outdoors as a valuable classroom, and active teaching and learning.

VICTORIA KASPI, BSc'89, is the 2013 recipient of the Peter G. Martin Award, presented by the Canadian Astronomical Society to a Canadian astronomer or to an astronomer working in Canada, who has made significant contributions to astronomical research within 10 to 20 years of completing his or her doctoral studies.



MICHELLE ZATLYN, BSc'01, is the co-founder and head of user experience at CloudFlare, a San Francisco-based website performance and security company that provides services to two million sites and counts Metallica and the government of Turkey among its clients. She was one of seven Canadians invited to take part in the Forum of Young Global Leaders, an international peer network organized by the World Economic Forum. Throughout their six-year tenure, YGL participants are fully involved in the WEF's meetings, initiatives and research and play an important role in determining the community's activities.



DAVID CULVER, BSc'47, LLD'89, is the former chairman and CEO of Alcan and the former chair of the Canadian Council of Chief Executives. His new memoir *Expect Miracles* provides an inside look into the management of a global company, offering anecdotes about meeting the likes of Margaret Thatcher, Henry Kissinger, and Jawaharlal Nehru. The book also covers the role Culver played in the creation of Maison Alcan. Co-authored by **ALAN FREEMAN**, BA'72, the book was published by McGill-Queen's University Press.

MANUELLA VINCTER, BSc'90, is one of five Canadian scholars and scientists selected to receive a 2014 Killam Research Fellowship. Worth \$100,000, the research prize recognizes outstanding career achievements. She is a professor of particle physics at Carleton University.

MATT DOBBS, BSc'97, is the recipient of the 2014 Herzberg Medal from the Canadian Association of Physicists. The prize is awarded for outstanding achievement by a Canadian physicist within 12 years of defending their doctoral thesis. McGill's Canada Research Chair in Experimental Astro-particle Physics, he has developed new digital telescope technology of unprecedented reach and precision that is allowing researchers to probe the early history of the cosmos.

ROWAN BARRETT, MSc'06, is McGill's Canada Research Chair of Biodiversity Science. He recently received the Society for the Study of Evolution's Theodosius Dobzhansky Prize, which recognizes the accomplishments and future promise of an outstanding young evolutionary biologist.

ADHAM FARES, BSc'11, has recently founded a startup in Kelowna, B.C. that helps students track important things like midterm dates, assignments due dates, and grades. You can find his project at qlasstrack.com.

SOCIAL WORK

LUCIA KOWALUK, MSW'63, was named to the Order of Canada as a new member in December. She was recognized for her dedication to social justice and heritage preservation. She has been a driving force behind many Montreal organizations,

including the Milton-Parc housing co-operatives and Heritage Montreal.

MARION BOGO, MSW'65, is a professor of social work at the University of Toronto's Factor-Inwentash Faculty of Social Work. She was awarded the Significant Lifetime Achievement in Social Work Education Award by the U.S. Council on Social Work Education last October at the organization's annual program meeting held in Dallas, Texas.

WENDY THOMSON, BSW'76, MSW'77, the director of McGill's School for Social Work, will become the new managing director of Norfolk County in the United Kingdom in August. She was a founding director of the U.K.'s Office of Public Service Reform—a post in which she advised then-British prime minister Tony Blair on civil and public service reform. Norfolk is the fifth largest county in England and home to almost 860,000 people.

RUTH WHITE, BSW'88, MSW'91, is a clinical associate professor at the University of Southern California's School of Social Work. Her new book, *Preventing Bipolar Relapse*, was published by New Harbinger Press in May.

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Dr. Richard and Polly Valeriote.

THE GIFT OF A LIFETIME

The Good Doctor

Richard Valeriote, BSc'52, MDCM'57, wasn't supposed to be a success. Born into an immigrant family of 16 children and brought up in a poor part of Guelph, Ont., he had a childhood that resembled something out of Angela's Ashes.

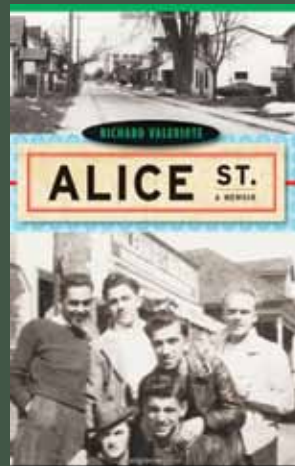
"I had to grow up fast, went to bed hungry more nights than I care to remember, and survived thanks to a series of small miracles facilitated by family, friends and strangers alike," he says. "If I hadn't lived it, I'd swear it was fiction."

Though dealt a financial bad hand, Dr. Valeriote was determined to pursue medicine at McGill. Thanks to several challenging jobs (including a stint as a construction laborer at the Goose Bay air force base in Newfoundland), a scholarship from the J.W. McConnell Foundation and 45 personal loans, he grasped his dream and went on to enjoy a successful career as a family doctor.

Now retired and living in Fairfield, Calif., Dr. Valeriote and his wife, Polly, BA'53, are among McGill's most loyal benefactors, having given back to their alma mater on an almost annual basis for over 40 years. In 2011, the couple took their commitment one step further with

a generous gift and bequest to create the Dr. Richard and Mrs. Polly Valeriote Medical Students Support Bursary, which provides financial assistance to students in financial need from the McGill Faculty of Medicine.

"I feel an obligation to give back to McGill," he explains. "I wouldn't have made it through university without the support I received. And when you are helped, you have a responsibility to give back."



Dr. Valeriote has chronicled his remarkable journey through McGill medical school in *Alice Street*, a memoir published by McGill-Queen's University Press in 2010. Dr. Valeriote then gave McGill exclusive rights to the book so that all proceeds benefit the University.

"I feel so fortunate that I attended McGill," he says. "The University gave me my life. I wouldn't be who I am and have what I have if not for McGill."



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1930s

HELEN EDNA MURPHY, BHS'35, at Halifax, N.S., on February 11, 2014.

FRANK R. KILLAM, BEng'37, at Vancouver, B.C., on January 31, 2014.

GERALD "TERRY" COOPER, BA'39, at Oakville, Ont., on March 1, 2014.

THOMAS KIERANS, BEng'39, at St. John's, Nfld, on November 22, 2013.

ARTHUR MCMURRICH, BCom'39, at Toronto, on February 28, 2014.

GRACE WALES SHUGAR, BA'39, at Warsaw, Poland, on August 19, 2013.



Like his mentor Wilder Penfield, **WILLIAM FEINDEL**, MDCM'45, DSc'84, became a trailblazing figure in the world of neuroscience and the director of the Montreal Neurological Institute. He co-developed the Montreal Procedure, a surgical treatment for temporal lobe epilepsy, which has been used widely throughout the world. As the director of the Neuro, he ensured that the institute acquired the cutting-edge brain-imaging technologies that transformed neuroscience. Among his many honours, he was inducted into the Canadian Medical Hall of Fame in 2003. He died on January 12, 2014, in Montreal.

1940s

ELIZABETH (BLANE) ANTHONY, BA'40, at Upper Nappan, N.B., on September 26, 2013.

EVELYN LONG FAY, BLS'40, at Santa Barbara, Calif., on December 6, 2013.

DORA (PROVEN) FRIEDLANDER, BA'40, at Mississauga, Ont., on January 17, 2014.

FREDERIC JAMES SAUDER, BEng'40, at Peterborough, Ont., on November 20, 2013.

STELLA (BLAIR) CHARTERS, BA'42, at Montreal, on January 4, 2014.

MARION GREENWOOD, BA'42, at Montreal, on April 1, 2014.

MARIAN KELEN, BSc'42, MDCM'45, at Ottawa, on January 29, 2014.

JAMES GERALD FITZPATRICK, BSc'43, BSc'44, at Hatley, Que., on October 23, 2013.

FRANCES HOPE MOYER, BSc'43, at Boston, Mass., on March 23, 2014.

ELIZABETH C. (BLANE) ANTHONY, BA'44, at Upper Nappan, N.S., on September 26, 2013.

MORTON LEVITT, BEng'44, at Montreal, on December 19, 2013.

HARRY MARKSFIELD, BEng'44, at Don Mills, Ont., on August 29, 2013.

ARTHUR MENDEL, BEng'44, at Montreal, on March 18, 2014.

FRED ROTHSCHILD, BCom'44, MCom'46, at Palm Beach, Fla., on March 27, 2014.

ALEXANDER MILLER, BSc'45, MDCM'47, DipIntMed'52, at Peterborough, Ont., on January 31, 2014.

JEANNIE BRODIE, BA'46, at Montreal, on February 2, 2014.

RALPH KIMMERLY, BA'46, MDCM'50, at Uxbridge, Ont., on January 8, 2014.

ALLAN KNIGHT, BSc'46, MDCM'50, at Toronto, on October 8, 2013.

JANET ARCHER (SCARTH) MACLEOD, BSc'46, at High River, Alta., on November 19, 2013.

BERNARD PERELMUTER, BSc'46, at Newtown, Pa., on March 15, 2014.

F. ALBERT ROBILLARD, BA'46, MDCM'51, at Montreal, on January 18, 2014.

EDWARD P. WALSH, BEng'46, at Ottawa, on November 3, 2013.

JAMES HENDERSON GASS, MSc'47, at Kentville, N.S., on November 27, 2013.

SHIRLEY MILLER, BSc'47, BSW'48, MSW'50, at Peterborough, Ont., on October 27, 2013.

SHIRLEY METCALFE, Dip(PTh)'47, at Brockton, Ont., on October 10, 2013.

PAUL ROUTLY, BSc'47, MSc'48, at Rockville, Md., on May 2, 2014.

FREDERICK MCCOY SWAINE, BSc'47, MDCM'49, at Belleville, Ont., on July 11, 2013.

GERALD "GERRY" HENDERSON, BSc'48, MSc'50, at Kelowna, B.C., on March 14, 2014.

BEN MCNICHOL MACLEOD, MDCM'48, at High River, Alta., on November 26, 2013.

J. MALCOLM "MAC" MCLEAN, BArch'48, at Ottawa, on November 12, 2013.

KAARE OLSEN, BEng'44, BEng'48, at Pointe Claire, Que., on March 23, 2014.

COLIN SPENCER, BEng'48, at Ottawa, on March 4, 2014.

ERIC YAXLEY, BCom'48, at Vancouver, B.C., on February 24, 2014.

JACQUES BRAZEAU, BA'49, MA'51, at Beaconsfield, Que., on October 19, 2013.

JANET BROWN, BLS'49, at Endicott, N.Y., on November 30, 2013.

ARTHUR P. EARLE, BEng'49, at Montreal on December 16, 2013.

ALAN FINLEY, BSc'49, MDCM'53, at Victoria, B.C., on December 7, 2013.

DOROTHY ING-RUSSELL, BA'49, at Rockville, Md., on October 19, 2012.

SYDNEY PHILLIPS, BCL'49, at York, Ont., on November 12, 2013.

JACK CHARLES SHAYNE, BCom'49, BCL'53, at Montreal, on March 2, 2014.

GEORGE WHELAN, BA'49, BCL'52, at Pointe-Claire, Que., on November 21, 2013.

1950s

PATRICIA BROOKBANK, BSc(Agr)'50, at Ottawa, on November 9, 2013.

HAROLD CORRIGAN, BCom'50, at Toronto, on December 13, 2013.

MICHAEL ELLWOOD, BArch'50, at Montreal, on December 2, 2013.

JOHN FETHERSTONHAUGH, BCL'50, at Montreal, on April 15, 2014.

ROSLYN (WOLFE) GLICKMAN, BA'50, MSW'71, at Montreal, on March 27, 2014.

MARY (SAVAGE) HARRIS, BA'50, at Ottawa, on March 26, 2014.

HARRY HART, BEng'50, at Santa Rosa, Calif., on November 20, 2013.

MARTIN LISHMAN, DipAgr'50, BSc(Agr)'54, at Spalding, England, on February 23, 2014.

WALTER ORPEN, BSc'50(PE), at Jonquiere, Que., on August 10, 2013.

JOHN FLINTOFT, BEng'51, at Winnipeg, Man., on November 26, 2013.

MICHAEL LEWES, BEng'51, at Delmar, Md., on April 12, 2014.

CHARLES MCDONNELL, MDCM'51, at Vancouver, B.C., on February 2, 2014.

CLAIRE (SILVER) SHEINER, DipEd'51, BCL'82, LLB'83, at Westmount, Que., on December 18, 2013.

ROBERT (Bob) M. STAINES, BSc'51, at Sutton, Que., on August 8, 2013.

JUNE (DEVAUX) WALKER, BA'51, at Ottawa, on October 13, 2013.

LAURENCE CHARLES GAGNON, DipEd'52, at Kingston, Ont., on January 3, 2014.

PATRICIA ROWE DEMONT, BSc(PE)'52, at Pictou, N.S., on February 4, 2014.

JOHN SCHOLES, BEng'52, at Ottawa, on November 23, 2013.

WILLIAM S. AARON, BCL'53, at Montreal, on January 30, 2014.

PETER M. ASTWOOD, BSc'53, at Campbellford, Ont., on February 7, 2014.

SHIRLEY ANNE (CONRAD) BAIRD, BSc'53, at Cuba, on March 8, 2014.

MELVYN HEFT, BCom'53, DDS'60, at Montreal, on January 21, 2014.

AMELIA LAING, BSc'53, at Kingston, Ont., on March 11, 2014.

ALAN LIGHTFOOT, DipAgr'53, at St. Mary's, Ont., on November 7, 2013.

ELIZABETH L. MANOR, BSc(PE)'53, at Brooksville, Fla., on October 17, 2012.

PHILIP H.B. HAMILTON, BEng'54, at Montreal, on November 11, 2013.

PATRICK KEENAN, BCom'54, CA'57, at Toronto, on May 1, 2014.

JOHN SPENCE, BEng'54, at Montreal, on January 3, 2014.

JOSEPH VILAGOS, BEng'54, at Dollard-des-Ormeaux, Que., on March 6, 2014.

DONALD BALLEW, MDCM'55, at Yakima, Wash., on January 20, 2014.

WILLIAM FINDLAY, BEng'55, at Carleton Place, Ont., on August 22, 2013.

DAVID M. HARVEY, MDCM'55, at Munster, Ind., on October 27, 2013.

E. DONALD KAUFMANN, MDCM'55, at Del Mar, Calif., on October 11, 2013.



EDGAR BRONFMAN, BA'51, DLitt'12, was widely respected for his business acumen as the longtime president of Seagram, but he took his greatest pride in his accomplishments away from the board room. As the president of the World Jewish Congress, he championed the cause of Jews living under difficult conditions in the Soviet Union and pressed Swiss banks to agree to a \$1.25-billion settlement with the relatives of German death camp victims who deposited their savings in Switzerland before the Second World War. He received the U.S. Presidential Medal of Freedom for his WJC work. Bronfman died in New York on December 21, 2013.

HAROLD A. KOZINN, MDCM'55, at Rockville Centre, N.Y.

WILLIAM ROBERT LEACH, BEng'56, at Mississauga, Ont., on December 8, 2013.

ELIZABETH STUCKER-GUISHARD, BN'56, at Hamilton, Bahamas, on August 30, 2013.

ROBERTO GUALTIERI, BA'57, at Ottawa, in April, 2014.

JOHN BJORDAMMEN, BEng'58, at Wichita Falls, Tex., on January 8, 2014.

JOHN D. HACKETT, DipPsych'58, at Victoria, B.C., on January 5, 2014.

FINN SANDSTA, BA'58, at Ottawa, on June 20, 2012.

JON ANDERSON, BCL'59, at Chicago, Ill., on January 15, 2014.

ARNOLD ISAACSON, BA'59, BCL'62, at Montreal, on October 25, 2013.

LAWRENCE FOX, BEng'59, at Montreal, on March 7, 2014.

DOUGLAS EVERETT PAGE, MSc'59, at Dollard-des-Ormeaux, Que., on October 20, 2013.

G. GLENN PARKER, BEng'59, at Burlington, Ont., on February 14, 2014.

FRANK A. WALKER, MDCM'59, at Louisville, Ky., on May 1, 2013.



JULIE OLIVER

A soft-spoken, but determined champion of Canadian literature, **JUDY MAPPIN**, BSc'50, DLitt'06, was the co-founder of the widely respected Double Hook Bookstore in Westmount, a store that focused exclusively on books by Canadian authors for more than 30 years. University of Ottawa scholar David Staines described the store as "a landmark in the development of our appreciation of our own literary land." Mappin received the Canadian Booksellers Association's Lifetime Achievement Award in 2005 and was named a member of the Order of Canada in 2008. She died in Montreal on February 14, 2014.

1960s

STANLEY KOLBER, BSc'60, MDCM'64, at North York, Ont., on December 7, 2013.

RITA V. (ST. JEAN) KUHL, LMus'60, BMus'67, at Hopewell, N.J., on October 24, 2013.

ROBERT MIDGLEY, MDCM'60, at Stratford, P.E.I., on November 16, 2013.

IZZUD-DIN PAL, PhD'60, at Montreal, on November 3, 2013.

JAMES ALBERT SOLES, PhD'60, at Ottawa, on September 9, 2013.

MARY-ANN (FILOTAS) KIM, BA'61, at Ottawa, on November 8, 2013.

ROBERT F. TOMLINSON, MSc'61, DSc'06, at San Miguel de Allende, Mexico, on February 7, 2014.

GORDON BAYNES, DDS'62, at Surrey, B.C., on November 18, 2013.

LISE (DESNOYERS) CHAMBERLAND, BCL'62, at Ottawa, on March 16, 2014.

HARRY HAUKKALA, BEng'62, at Montreal, on March 21, 2014.

DAVID POPKIN, BSc(Agr)'62, MDCM'66, at Saskatoon, Sask., on January 7, 2014.

ROBERT GOODLAND, BSc'63, MSc'64, PhD'69, at McLean, Va., on December 28, 2013.

ARTURO "BOBBY" QUEVEDO, MDCM'63, at Guatemala, on March 8, 2014.

WILHELMINA SMEE, Dip(PTh)'65, at Toronto, on October 25, 2013.

ARTHUR MAY, PhD'66, at St Johns, Nfld., on January 30, 2014.

EVELYN BING UDITSKY, BA'67, at Montreal, on January 9, 2014.

HAIM KOTLER, BEng'68, at Montreal, on November 5, 2013.

1970s

FRASER KEITH, BEng'70, at Mansfield, Ohio, on December 19, 2013.

SUSAN KALLAI, CertNSWPr'72, at Montreal, on December 13, 2013.

SHEILA SIMPSON CHRISTIE, MED'74, at Kitchener, Ont., on February 2, 2014.

AJIT KUMAR CHAUDHURY, MBA'75, at Montreal, on January 29, 2014.

HELEN KLASA, BEd'76, at Calgary, Alta., on March 15, 2014.

MARIKA F. TEAKLE, CertProfRussian'77, at Montreal, on October 25, 2013.

FRANK EVANGELISTA, BEd'78, Cert EdTech'88, at Montreal, on December 24, 2013.

PETER MALCOLM MCINTOSH, BMus'79, at Brockville, Ont., on September 10, 2013.

1980s

STIG-ERIC GRUMAN, BCom'84, DPA'86, at Montreal, on November 23, 2013.

SAM LEVINE, BA'85, BCL'90, LLB'90, at Palm Beach Gardens, Fla., on April 21, 2014.

ROSLYN (BRISKIN) MERLING, BSW'86, MSW'87, at Montreal, on January 16, 2014.

LYNN ABRAMS, BSW'89, MSW'93, at Montreal, on December 10, 2013.

GREGORY LANG, DipManagement'89, at Montreal, on March 29, 2014.

URSULA MARY MCGUINNESS, PhD'89, at Hamilton, Ont., on November 2, 2013.

1990s

MIGUEL PROVIDENTI, BSc'90, at Vegreville, Alta., on February 3, 2014.

MUKTESH MUKHERJEE, MBA'98, aboard Malaysia Airlines Flight MH370, on March 8, 2014.



Elected in 13 straight federal elections in Windsor, **HERB GRAY**, BCom'52, LLD'03, was the third longest serving MP in Canadian parliamentary history. He was also Canada's first Jewish cabinet minister. He held 11 ministerial positions under three prime ministers and served as deputy prime minister in Jean Chrétien's government. "He believed in the power of government to do good," said former prime minister Paul Martin. Gray died in Ottawa on April 21, 2014.

DEBORAH JANE LUKIAN, BCom'99, at Montreal, on January 4, 2014.

2010s

CARLA WARRILOW, BA'10, at Toronto, on October 20, 2013.

FACULTY & STAFF

CHARLES BASTOMSKY, former faculty member, Department of Medicine, at Montreal, on November 27, 2013.

MICHAEL CARTWRIGHT, former associate vice-principal (academic), at Montreal, on December 21, 2013.

RAY CHU-JENG CHIU, professor, Department of Surgery, at Montreal, on January 4, 2014.

FERN CRAMER-AZIMA, associate professor, Department of Psychiatry, at Montreal, on December 18, 2013.

BERTHA (ROSENBLUTH) DAWANG, MEd '78, former adjunct professor, Faculty of Education, at Montreal, on January 11, 2014.

CHARLES DOLAN, former chief technician, Department of Chemical Engineering, at Montreal, on November 11, 2013.

HERVÉ DE FONTENAY, MA'80, CertProfEnglish'98, retired director, Department of Languages and Intercultural Studies, School of Continuing Studies, at Montreal, on January 4, 2014.

RALPH ESTEY, BSc(Agr)'51, PhD'56, emeritus professor, Department of Plant Science, at Montreal, on January 31, 2014.

RIAZ FAROOKHI, associate professor, the Departments of Obstetrics and Gynecology, and Physiology, at Montreal, on September 24, 2013.

JACK GOLDSMITH, photographer and AV technician, at Montreal, on January 3, 2014.

GENEVIÈVE GRÉGOIRE, BEd'05, Martlets assistant swim coach, at Montreal, on December 13, 2013.

JOHN E. MOXLEY, BSc(Agr)'47, MSc'52, emeritus professor, Department of Animal Science, at Ottawa, on January 20, 2014.

JOHN OSLER, BEng'52, emeritus professor, Department of Civil Engineering, at Montreal, on January 3, 2014.

SYDNEY PEDVIS, BSc'42, MDCM'43, DipPediatrics'50, former faculty member, Department of Pediatrics, at Montreal, on February 10, 2014.

JAMES PROVAN, former professor, Department of Mechanical Engineering, at Victoria, B.C., on November 15, 2013.

JAMES BRUCE SMITH, BSc'65, MDCM'69, former faculty member, Department of Anesthesia, at Knowlton, Que., on December 7, 2013.

RICHARD WHITWELL, MA'65, former faculty member, Faculty of Education, at Montreal, on August 26, 2013.



MACDONALD STEWART FOUNDATION

LILIANE STEWART, LLD'99, was the president of the Macdonald Stewart Foundation, which she created with her late husband, David. The foundation provided crucial philanthropic support to many museums and cultural organizations in Montreal — McGill's Macdonald Campus was among the chief beneficiaries. "Liliane Stewart helped shape the Montreal, and the McGill, that we know today," said McGill principal Suzanne Fortier. Apart from her work at the foundation, Stewart was also a past president of both the Montreal Museum of Decorative Arts and the Stewart Museum. She died on May 3, 2014, in Montreal.

Follow that piper

He might not be an alumnus, but there are few people who have participated in more McGill graduation ceremonies than **JEFF MCCARTHY**. The barrel-chested bagpiper has been leading platform parties to the stage at McGill convocations since 2002. McCarthy is a master corporal with the fabled Black Watch regiment in Montreal, which boasts the oldest organized pipe band in North America.



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