

McGill News

ALUMNI MAGAZINE

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2018-19



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No infectious disease takes as many lives as tuberculosis and the victims it targets tend to be the world's poorest and most vulnerable. As global organizations pledge new resources in the war against TB, some of the most important research being done in the world on the disease is taking place at the McGill International TB Centre.

By Patrick McDonagh



20 NOTHING FAKE ABOUT IT

The relationship between the Washington press corps and a U.S. president's administration can often be fractious—but we've never seen anything like this before. Meet the McGillians who are pursuing some of the hottest stories in DC right now—many of them related to a president who regards them as the enemy.

By John Allemang



26 WHY WAIT FOR GRAD SCHOOL?

Thanks to an array of opportunities at the undergraduate level, a growing number of McGill students are getting the chance to experience the joys (and frustrations) of working on major research projects before finishing their bachelor's degrees.

By Maeve Haldane

33 CENT ANS D'AVANCE SUR SON TEMPS

Brenda Milner, nouvelle centenaire et pionnière de la neuropsychologie—dont l'influence se fait encore bien sentir aujourd'hui—entend continuer à transmettre son savoir à la nouvelle génération.

Par Julie Barlow (B. A. 1991)



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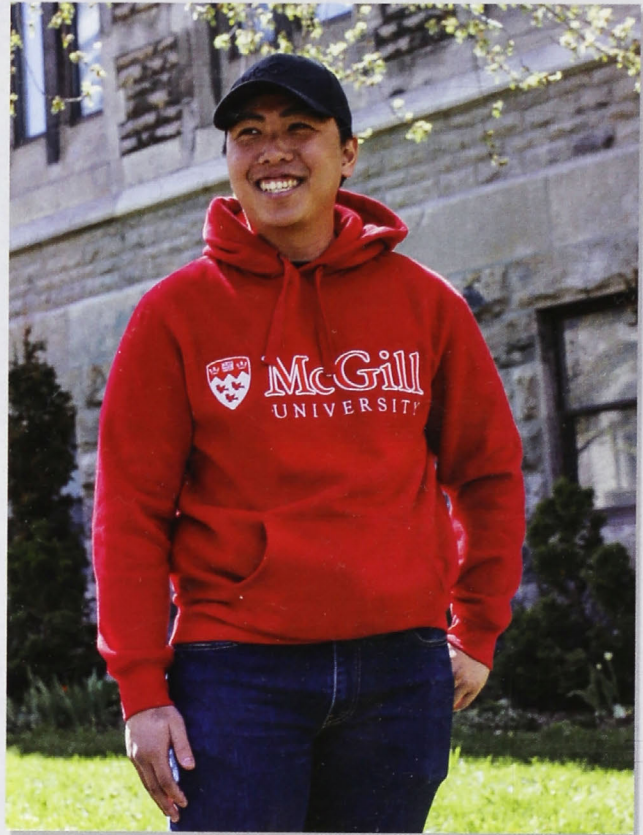
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OWEN EGAN

WHO CAN YOU BELIEVE?

What is the most essential role played by universities? They are, of course, complex institutions and they do all sorts of things, many of them essential to the healthy functioning of the places in which they are rooted.

If I had to pick one, though, I would argue for the restless pursuit of the truth—or at least of the best understanding of what appears to be true given the evidence available. The pursuit is restless because the work is never done. An academic community is forever reexamining what we know to be the facts—carefully reassessing them based on the latest evidence, and challenging them when they seem flawed.

We know more about the causes and consequences of climate change today than we did 25 years ago. We have a better understanding of how to treat many forms of cancer. We have a firmer grasp of the forces behind pivotal historical events. Thanks, in large part, to the work of university-based scholars and scientists, what we know about facts changes over time.

Another institution that—in its best incarnations—focuses on pursuing the truth is the media. Sure, even the most respected news organizations occasionally fumble the ball (sometimes disastrously so), but an inquisitive and independent media serves a vital purpose, uncovering uncomfortable truths. Two McGill graduates—Devlin Barrett, BA'95, and Matthew Rosenberg, BA'96, were among the most recent winners of the Pulitzer Prize. They were both part of investigative efforts that helped reveal details about Russian interference in the last U.S. presidential election. That interference might have helped Donald Trump win. You can read about the work being done by Barrett, Rosenberg and other McGillians active in the Washington press corps in our feature, “Nothing Fake About It.”

President Trump likely wouldn't be a fan of that headline. He is often quick to assail journalists for the “fake news” they supposedly produce, usually offering little evidence to support those assertions.

60 Minutes correspondent Lesley Stahl once asked Trump about these continued attacks. According to Stahl, Trump's response pointed to a deliberate strategy on his part: “I do it to discredit you all and demean you all so that when you write negative stories about me no one will believe you.”

In his recent book *Trust*, former McGill principal (and former governor general) David Johnston, LLD'00, describes trust as “the bedrock of democracy,” but warns that it “is not thriving in democracies today” in part because of the efforts of those who spread “half-truths and untruths, preying on a population's inability to distinguish between fact and fiction.”

Determining what is true is one of the most pressing challenges of our times. Daniel Levitin, an emeritus professor of psychology at McGill, recognized this when he recently published his book, *Weaponized Lies: How to Think Critically in the Post-Truth Era*.

“There are not two sides to a story when one side is a lie,” Levitin writes. Be choosy about who you listen to, he advises. He suggests paying attention to credible authorities with established expertise who focus on evidence-based arguments (like university professors) and media organizations with a proven track record for accurate reporting. 🐦

Daniel McCabe, BA'89



PILLARS FOR THE FUTURE

PRINCIPAL SUZANNE FORTIER, BSC'72, PHD'76, RECENTLY SAT DOWN WITH THE MCGILL NEWS TO SHARE HER VISION FOR THE UNIVERSITY AS IT APPROACHES ITS THIRD CENTURY. THE VISION RESTS ON FOUR PILLARS AND IS BASED ON MCGILL'S ACADEMIC PRIORITIES AND STRENGTHS. "THIS IS A VISION THAT HAS BEEN BUILT WITH OUR COMMUNITY," FORTIER SAID, AS SHE EXPLAINED WHAT EACH PILLAR MEANS FOR MCGILL.

The first pillar relates to opportunities that open doors.

As we look to our third century, a pillar of our University will be to maintain and reinforce our ability to welcome students with talent and ambition, regardless of their socio-economic background.

Something Governor General Julie Payette said recently captures this well. She said, "McGill accepted me as a student and, in part, because of that break, I have been able to do the things I have done in my life." She started from modest means, but with many dreams nurtured by her family. Her time at McGill helped set her on a path towards realizing her goals.

One of the most inspiring parts of my role here at McGill is that I have had the opportunity to meet so many people who have similar stories. I think of Arisha Khan, our newest Rhodes Scholar, who talks about how unlikely it was for her to even make it to university, let alone receive such a high distinction (see story on page 8). Other great examples are our MasterCard Foundation Scholars who, like Arisha, are determined to use their talents to make a positive impact on the world.

By keeping our doors open to students who are prepared to work hard and drive change, we have created a University that reflects the world's diversity. This is a great foundation to build on.

The second pillar is research that changes lives.

I share the view of McGill alumnus and Harvard professor Steven Pinker, expressed in a recent TED Talk: "There's no limit to the betterments we can attain if we continue to apply knowledge to enhance human flourishing." For us at McGill, it means unleashing our full research potential, exploring new frontiers and examining new paradigms with an eye toward the challenges that we confront as a society.

A great example is the Healthy Brains for Healthy Lives initiative where researchers with different expertise are working together to gain a better understanding of the human brain. Because of many recent scientific and technological advances, I believe that we are on the cusp of achieving the significant breakthroughs needed to help the millions of people with mental health and neurodegenerative conditions. Now that is research that changes lives!

The third pillar is innovation that drives progress.

Innovation does not simply apply to what we do, but also to the way we do it—it needs to be an integral part of everything we strive for at the University. McGill aims to support the full spectrum of innovation, from inspiring bold thinking, to training our students to bring their ideas to the world.

A stellar example is the Tanenbaum Open Science Institute where everything about The Neuro's research programs is being shared worldwide. This no-barrier approach allows for research data and materials to move freely between research teams with one clear goal: accelerating progress to benefit patients.

It is also inspiring to see that so many of our students have entrepreneurial ambitions. The McGill Dobson Centre for Entrepreneurship plays such a vital role in equipping students with the tools they need for those ambitions to materialize. Our students receive support from industry partners, but also from those I call "intellectual angels"—those who dedicate their time and expertise to mentor our young entrepreneurs.

With bold new ideas and students who embrace challenge, McGill is committed to strengthening the culture, tools and partnerships needed to turn those ideas into initiatives with lasting impact.

Finally, the last pillar is education that shapes future-ready students.

In a world where change is the only constant, we need to ensure that students are ready for the future. It is not enough to prepare them for the world we know, rather, we need to prepare them for a world that we may not even be able to envision today. Therefore, we must provide them with a learning experience that develops their agility and ability to adapt, to embrace diversity and to engage in lifelong learning.

Our current world tends to expose us to a superficial notion of learning—learning by surfing as we readily and easily do, for example, on the web. But we don't want our students to simply surf. Rather, we want them to dive deeply—to be curious, be creative, and to think critically. The best thing we can do, I believe, is give our students confidence in their incredible capacity to learn and acquire new skills. Not only will they be able to adapt as the world's landscape continues to shift but, more importantly, they will be able to shape this changing landscape. 🐦



EXPLORING THE UPSIDE OF DISCOMFORT

MATT DAJER, BA'14, and some of his friends went online a few months ago and challenged Will Smith to bungee jump from a helicopter. That, in itself, isn't particularly newsworthy. People routinely say all sorts of bizarre things about celebrities online.

The weird thing is that Will Smith heard about the challenge — and he said yes.

"I think that's the biggest thing that's happened to us," says Dajer, one of the co-founders of the Yes Theory, a group of friends who are determined to push themselves—and everybody else—to expand their boundaries. "Our mantra is to seek discomfort," says Dajer.

That mantra is catching on. Dajer and his Yes Theory partners (including **THOMAS BRAG**, BCom'15), regularly post videos of their adventures online to the delight of more than 2.5 million subscribers on their YouTube channel.

Shortly after graduating from McGill, Dajer and Brag were living in Montreal and had recently met their future Yes Theory partners Ammar Kandil and Derin Emre.

"We had just [finished] school and we were all working in bars and hanging out with the same people all the time. We felt like we were developing a routine in our lives," says Dajer. And not in a good way.

"There was rarely a moment where we thought, 'I did that really exciting, spontaneous thing and I'm going to remember that forever.' The only time when memories were being created was when we were out of our comfort zones or doing something new." That realization sparked an unusual plan.

"We decided to do 30 things in 30 days that we had never done before and we were going to film a video every single day about getting out of our comfort zone," says Dajer. "That's how it all began. In a small apartment in Montreal and 30 videos."

The project slowly gained a following. Vertical Networks, a content creation studio in California, got in touch. The studio invited them to move to Venice Beach and host a show on Snapchat Discover. "That gave us eyeballs," says Dajer. "We picked up our first 200,000 subscribers mostly through that [exposure] on Snapchat." Once the year-long deal came to an end, the Yes Theory team focused its attention on building up its YouTube audience. "We made a real effort to engage with our audience and put out consistent content," says Dajer. The effort paid off.

The Yes Theory team has accompanied a daredevil helicopter pilot as he executed a series of jaw-dropping acrobatic maneuvers in mid-air. They've issued spur-of-the-moment invitations to complete strangers to join them on skydiving and skinny-dipping excursions. They've tried their hands at painting—and in trying to interest gallery owners in the results. They've travelled across Europe for free, relying on the kindness of strangers they met on Tinder.

Dajer says the Yes Theory project isn't just about the team members putting themselves into uncomfortable situations. It's also about inviting other people along on that quest. "People around the world are inviting 30 strangers to a dinner party because they watched the video about [us] hosting a dinner party with strangers."

And speaking of inviting other people to do uncomfortable things...

When the Yes Theory team learned that Will Smith was afraid of heights and that he had been challenging himself to conquer that fear, they issued their helicopter bungee jump proposal to the star. Thanks to the Yes Theory's legion of fans (who peppered Smith's own YouTube channel with comments about the challenge), Smith learned about it and accepted.

The Yes Theory team had the chance to meet the actor/singer and Kandil performed the epic bungee jump too. Noting Kandil's apprehensive expression before performing the feat, Smith quipped, "He's looking like you want to change the name of your crew to Maybe Theory."

"Let me tell you something," says Dajer, "when you get some validation from Will Smith, it's kind of like the gates of everything open up to you. It really helped put the Yes Theory brand on the map." 🐦

Daniel McCabe, BA'89

Will Smith (second from right) with Yes Theory team members (left to right) Ammar Kandil, Matt Dajer and Thomas Brag

WHEATLESS, MEATLESS *and* DELICIOUS

Years ago, when **MARK KUPFERT**, BA'06, and **DANIEL SUSS**, BA'05, LLB'09, toured North America with their indie band the Lovely Feathers, they encountered a problem—an appalling dearth of healthy, affordable and quickly prepared food options.

Kupfert longed for an eatery like the one he and Suss had frequented as McGill students. “We would go to this vegan restaurant, Aux Vivres, a lot. I loved that place and wondered, ‘Why can’t I have this food everywhere?’”

The Lovely Feathers rarely perform anymore, but Kupfert and Suss are still partners. They turned their personal hunger for plant-based, minimally processed, gluten-free food into a burgeoning vegan quick-service restaurant business. Their **KUPFERT & KIM** chain now has six quick-service locations in Toronto and a new one in Old Montreal. They also recently launched Hello 123, another new vegan restaurant in Toronto.

In 2013, Suss, while articling at Stikeman Elliott LLP in Toronto, noticed the lack of fast, affordable vegan food options in the financial district. “When you have a good idea and see a hole in the market, you give it a shot if you’re passionate about the concept,” says Kupfert.

“The density of downtown Toronto is key to our success,” says Suss. “Our restaurants are in places where lots of people are working and we make fresh, healthy eating convenient and affordable.”

The fruitful working relationship the pair forged as bandmates carries on now that they are restaurateurs. “Mark would splash an idea. I would run with it, massage it and work out the kinks,” says Suss. “That’s how it went for a new piece of music or a new menu item.”

Mark Witten

**Kupfert & Kim co-founders
Mark Kupfert and Daniel Suss**



OWEN EGAN

A GLIMPSE INTO MEDICINE'S PAST

➤ For pathology professor Rick Fraser, BSc'69, MDCM'76, who spends many of his days surrounded by skulls, preserved organs, and anatomical models, death is one of the most interesting parts of life. If you visit him at the newly opened-to-the-public **MAUDE ABBOTT MEDICAL MUSEUM**, you might leave feeling the same way.

Fraser (above) is the director of the museum, whose unique collections date back to the early days of the University in the 1820s.

The collections began with the “Holmes heart,” a world-famous specimen preserved in 1824 by Andrew F. Holmes—McGill’s first dean of medicine—which displays a rare congenital heart disease. In the late 1800s, the collection continued to grow under the purview of curator Maude Abbott, BA1890, who oversaw what was then known as the McGill Medical Museum until 1923. “She built it into a world-class medical museum... probably one of the best in the world,” says Fraser. A major portion of the museum’s collections relate to Abbott’s own work as an international authority on congenital heart disease.

As with Abbott, the museum is truly a labor of love for Fraser. The importance of the museum, according to him, is rooted in the invaluable nature of its vast collection—items related to battlefield injuries sustained during the American Civil War, for instance. Medical museums played a key role in the education of medical students in the late 19th and early 20th centuries. “The best part of my job is interacting with the people. It’s like showing my baby pictures,” says Fraser.

Becca Hoff, BA'17

**Visit the Maude Abbott Medical
Museum on Wednesdays and
Fridays from 1:00-4:00 p.m.,
or by appointment at
medicalmuseum.med@mcgill.ca**

CHASM HELPS TO FILL HEALTHCARE GAPS

McGill medical students are taking their problem-solving skills and noble ideas beyond the Roddick Gates to try to help Montreal's most vulnerable residents.

The **COMMUNITY HEALTH AND SOCIAL MEDICINE INCUBATOR (CHASM)**, spearheaded by McGill medical students, provides funding and guidance for community healthcare projects led by fellow students.

"The impetus essentially was that we noticed that historically marginalized populations had disproportionate health outcomes and health inequities compared to the average population," says Kacper Niburski, a second-year med student who is one of CHASM's directors.

Launched in 2017, CHASM has received financial support from several sources, including initial funding from McGill's Global Health Programs. The Medicine Class of '98 has chosen CHASM for its class gift.

CHASM has funded three student projects to date: one provides feminine hygiene products for homeless women in Montreal; another launched a mentorship program to expose black youth to careers in healthcare; the third aims to boost access to HPV vaccination and screening among vulnerable populations. CHASM plans to fund three new projects this school year and students from any faculty at McGill can apply.



OWEN EGAN

CHASM co-founder Koray Demir with CHASM co-director Kacper Niburski

CHASM draws on the startup incubator model: it offers \$1,000 in seed funding and a curriculum of four workshops and four lectures. Students learn how to scale their projects and make them sustainable. Many McGill professors act as mentors and CHASM partners each team with an epidemiologist to help them measure the impact of their initiatives.

Service-based and community experiential learning are at the heart of CHASM, according to Niburski. The student projects concentrate on prevention for improving health outcomes.

"It's focussing on upstream initiatives and interventions that would hopefully have the most maximum effect," Niburski says. 🐦

Brenda Branswell

Composing his way to victory

➤ Much of composer **THIERRY TIDROW**'s piece "Quicksilver" evokes images of the most suspenseful scenes of psychological thriller films. Rich with dissonance and uneasiness, "Quicksilver" is a reminder that music doesn't need to make its listeners comfortable to be prize-worthy.

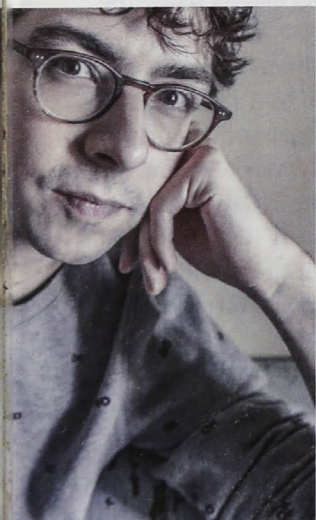
Tidrow, BMus'09 (pictured), paid a return visit to his alma mater in September that proved to be quite profitable. He was the grand prize winner of the Schulich School of Music's inaugural **GRAHAM SOMMER COMPETITION FOR YOUNG COMPOSERS**. After being chosen as one of five finalists—out of a competitive field of 84 applicants—Tidrow was commissioned to write a piece for a piano quintet to be performed by pianist (and associate professor of performance) Sarah Laiman and the Molinari Quartet. "Quicksilver" was forged under the pressure of the competition, over the span of about five-and-a-half months.

In composing "Quicksilver," Tidrow imagined the performing ensemble for the competition "as an ecosystem, where strings stick together as a school of fish and where the piano and string quartet have a tense rapport of dominance."

Graham Sommer, MDCM'72, the competition's namesake, was a professor of radiology at Stanford with a passion for music. He took steps to share that passion with the McGill community before he died in 2016. The Dr. Graham Sommer Piano Fund supported the restoration of pianos in McGill residences and the purchase of a new piano for Douglas Hall. The Sommer Competition promotes the work of Canadian composers under the age of 35.

Tidrow, who currently calls Cologne, Germany home, says the \$15,000 prize money provides a real boost. "People tend to forget how used to being under the breadline we are as composers." 🐦

Becca Hoff, BA'17



ANIK A NEISE / GSC

A sign of RESPECT

➤ Ordinarily, the only time one can't see McGill's familiar flag flying on top of the Arts Building is when the governor general's flag takes its place to signal the presence of Queen Elizabeth's federal viceregal representative on campus.

On June 21, a distinctive purple and white flag made its debut above the Arts Building to commemorate National Indigenous Peoples Day. It reappeared on September 21 to mark McGill's annual Pow-Wow.

The Hiawatha Wampum Belt Flag honours the Haudenosaunee (Iroquois) Confederacy, upon whose traditional territory McGill sits. The raising of the flag was among the recommended calls to action included in the Final Report of the Provost's Task Force on Indigenous Studies and Indigenous Education.

During a ceremony to mark the flag's first appearance atop the Arts Building, Provost Christopher Manfredi described the raising of the flag as "a testament to our commitment to work together [with Indigenous communities]—boldly visible, and immediate while we work to build a better, collaborative, inclusive future."

"This a big sign of change for us. This means a lot," said Mike Loft, a retired professor of social work and a member of the Mohawk community at Kahnawake.

"Usually we see the McGill Martlet flag up high on the Arts Building. But today the Martlet, who has no feet because the Martlet never rests in its search for knowledge, is taking a break. Flying our flag is a sign of recognition and respect, and a renewing of our relationship." 🐦

Files from Anne Lagacé Dowson



TAKING THE RHODES LESS TRAVELLED

Earning a Rhodes Scholarship is remarkable under any circumstances. That **ARISHA KHAN** (pictured) became McGill's 145th Rhodes Scholar is near miraculous.

From the age of six, Khan bounced in and out of Ontario's child welfare system. "Statistically, about 50 per cent of kids in foster care drop out of high school in Canada, which is way higher than the national average," she says. "And only two per cent go on to earn a university degree."

Because of the systemic low expectations, there is neither planning, nor support for those foster care children who want to go to university. 'System kids,' as Khan calls them, also grow up at an increased risk for substance abuse, homelessness and incarceration.

The more she learned about the system and its flaws, the more she was inspired to try and fix it.

In 2013, she was a driving force behind the creation of youth seats on the board of directors of the Children's Aid Society (CAS)—her legal "parent" in Ontario. She became the youngest CAS board member and then an advisor to Ontario's premier.

Khan is now the vice-president of Youth In Care Canada, a national charity that focuses on the concerns of youth in and from care. At McGill, she was instrumental in the establishment of a Youth in Care bursary to help current and former foster youth pursue undergraduate degrees.

Once she completes her degree in comparative social policy next spring, she will be off to Oxford to begin doctoral studies on the early detection of and intervention in child abuse cases.

Khan is likely the first 'system kid' to earn a Rhodes Scholarship and she understands that she has been given a rare platform to speak out about the child welfare system's deficiencies. "It is both a privilege and a huge responsibility." 🐦

Neale McDevitt





TOM DISANDOLO

Margaret A. Gilliam (at right) with Dean of Agricultural and Environmental Sciences Anja Geitmann.

INSTITUTE POISED TO TACKLE THE ISSUES BEHIND WORLD HUNGER

Food insecurity affects millions of people, from those living in urban slums and isolated communities in the developing world, to those in industrialized countries. Every night, some 800 million people—one in nine people on earth—go to bed hungry. And projections suggest that unless creative solutions are found, the world will need to increase food production by an additional 50 per cent in the next 30 years, when the planet's population is expected to exceed nine billion.

A landmark \$5-million gift from New York businesswoman and graduate **MARGARET A. GILLIAM**, BSc'59, will bolster the efforts of researchers at McGill's Institute for Global Food Security to understand and address these challenges through teaching and research programs that investigate long-term solutions for sustainable food production.

This gift builds on a \$1.5-million donation that Gilliam made to the institute in 2012. It established the Margaret A. Gilliam Faculty Scholar in Global Food Security—currently held by the institute's director, Hugo Melgar-Quiñonez—as well as a named graduate fellowship award and lecture series. Her latest gift will allow the institute to chart an even more ambitious course, as the newly renamed **MARGARET A. GILLIAM INSTITUTE FOR GLOBAL FOOD SECURITY**.

"An incredible number of people all over the world are hungry, and I want to do something meaningful to help," says Gilliam. "It's important that we take concrete steps to ensure that everyone has secure access to sufficient, safe and nutritious food supplies."

Established in 2010 and based at McGill's Faculty of Agricultural and Environmental Sciences, the institute is doing just that. Its researchers have developed precise methods to measure food insecurity, which have been adopted by the United Nations Food and Agriculture Organization.

The institute is involved in collaborative research projects around the globe, tackling issues ranging from the development of nutritious potato varieties in Colombia, to building capacity for sustainable livelihoods and health in Ghana.

In addition to creating an endowment to bolster the institute's long-term growth and stability, Gilliam's gift will back a graduate student fund that will provide bursaries, internships, and field studies support to students. It will also fund a Consultancy Hub in Global Food Security that will allow the institute to expand its outreach by developing and attracting working partnerships with other world-class institutions, and becoming an important participant in policy-making.

"Access to food and water are fundamental human rights that are being challenged by population growth, depletion of non-renewable resources, armed conflict, pollution of ecosystems and the effects of climate change," says Dean of Agricultural and Environmental Sciences Anja Geitmann. She says the institute "will rise to this challenge by engaging expertise from across disciplines and from all corners of the world."

Gilliam has had a long career as a New York-based financial analyst in the retail sector. After earning a business degree, she landed a position working as an analyst at Goldman Sachs—one of only a few women working on Wall Street at the time.

Over the course of her 30-year career, she became a trusted advisor to such Fortune 500 companies as Walmart, Home Depot, Nordstrom and Costco. More recently, she has become a sought-after retail consultant and publisher of the Gilliam Viewpoint—covering developments in the retail industry.

One person who made a tremendous impression on Gilliam was Sam Walton, the founder of Walmart. "I came to know Sam very well, and was inspired by the support that he and his wife Helen showed for social and environmental projects through their family foundation. Helen had a favourite saying: 'It is not what you gather in life, but what you scatter in life that reflects the kind of life you have led.'"

By scattering her support to ongoing research and outreach at the institute that now bears her name, Gilliam is helping to ensure that her alma mater plays an even larger role in the global battle against hunger. 🐦

Linda Sutherland



THIS PASTA IS AL DENTE— VERY AL DENTE

➤ Nursery rhyme writers be warned: it turns out that twinkling little stars are not quite like diamonds in the sky. Some of them, it turns out, are millions of times harder. In fact, the material within neutron stars is the hardest and strongest material in the known universe, according to a recent study by **MATTHEW CAPLAN** (pictured), a postdoctoral research fellow at the McGill Space Institute.

Neutron stars are relatively tiny objects formed in the gravitational collapse of supernovae, which are believed to be the densest objects in the universe. So dense, in fact, that they are not the flaming balls of gas typical of stars, but instead composed of tightly packed protons and neutrons.

Much like the Earth, they have a crust, a core and an intermediary mantle-like region. The intense and increasing forces of the star's gravity freeze the protons and neutrons into various forms. These deformed balls, sheets, and cylinders are called "nuclear pasta" for their resemblance to gnocchi, lasagna and spaghetti noodles, respectively. Caplan set out to determine the strength of the pasta near a neutron's surface.

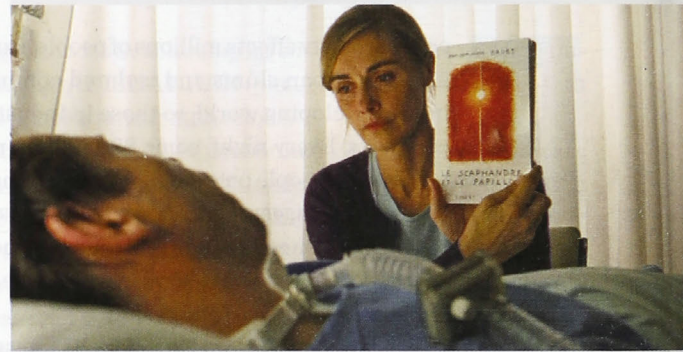
According to the simulations run by Caplan and his collaborators, nuclear pasta is many billions of times harder and significantly more elastic than steel. It is strong enough to support mountains of several tens of centimeters tall on a star surface. Not very high, but given the density of neutron stars, that's a molehill of many billions of tonnes. Caplan explains that knowing of such surface irregularities can allow astronomers to look for the gravitational waves they should emit as the neutron star rotates. Doing so would help verify and deepen our understanding of the structures of our cosmos. 🦋

Mark Reynolds

AN APP THAT GIVES VOICE TO THE VOICELESS

ETIENNE DE VILLERS-SIDANI, MDCM'00, has developed an eye-tracking software technology that would enable patients who can't talk because of paralysis, or intubation in intensive care, to communicate using simple eye movements.

"Communication is so important to quality of care and quality of life for these patients, and it's very frustrating when they can't communicate what they need and want," says de Villers-Sidani, an associate professor of neurology and neurosurgery at the Montreal Neurological Institute and Hospital.



"Patients may want to talk about their discomfort, pain or positioning, or talk to loved ones about their feelings."

His company, Innodem Neurosciences, is now pilot-testing a novel app, called Pigio™, that works with any smart phone or tablet equipped with a camera to track and analyze the gaze patterns of patients who suffer from neurological conditions such as stroke or Amyotrophic Lateral Sclerosis (ALS) and can no longer communicate. Patients can control a cursor on their devices using only their eye movements and this allows them to communicate rapidly with healthcare staff or family members by selecting pre-defined sentences or words on the screen.

As a neurologist who regularly sees patients at The Neuro's ALS clinic, de Villers-Sidani saw an urgent need for a fast, user-friendly device that would allow patients to communicate more effectively than with the printed letter boards currently used, which are slow, limited and impractical. The Pigio™ software will also be cheaper than the sophisticated eye-tracking systems (using infra-red cameras) on the market. "Most patients and clinics can't afford and don't have access to devices that cost \$8,000," he says.

Innodem plans to make the technology available to the public and to healthcare professionals in 2019. 🦋

Mark Witten

AN “UNKILLABLE” KILLER’S ACHILLES HEEL



MUHC

DAO NGUYEN, MDCM'97, MSc'04, has discovered a new cellular target that may hold the key for weakening the impregnable defenses of a nasty, slow-growing bacterium, called *Pseudomonas aeruginosa*. This hardy bug is particularly dangerous when it goes dormant in the body and develops tolerance to antibiotics, becoming virtually “unkillable” when it causes chronic infections in the lungs and bloodstream.

“This bug is common and can cause severe, life-threatening and organ-threatening infections in burn victims, and patients with diabetes and COPD (Chronic Obstructive Pulmonary Disease),” says Nguyen, an associate professor of medicine and a scientist at the Research Institute of the McGill University Health Centre. “It’s also the leading cause of death for people living with cystic fibrosis.”

While multi-drug resistance results from bacteria mutating, multi-drug tolerance happens when bacteria enter a metabolic state in which they become indifferent or much less vulnerable to many different

antibiotics at once. “Drug tolerance is the lesser known sibling of drug resistance. It can be just as deadly, but the defense mechanisms haven’t been well understood,” she says.

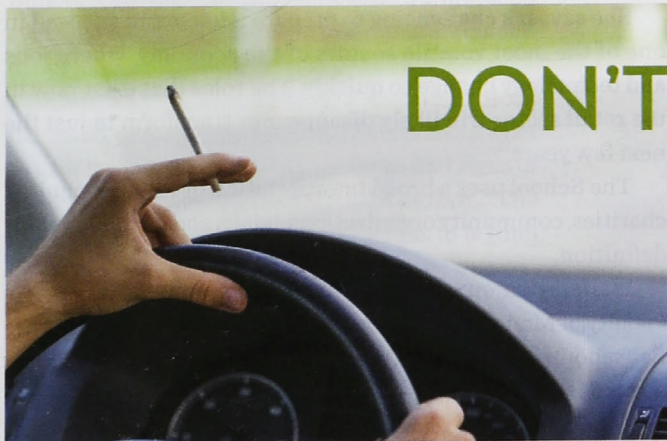
In a series of experiments, Nguyen’s team revealed for the first time how this tolerance defense mechanism works: “We found when these bacteria are under stress and starved of nutrients, their stress signalling system turns on an enzyme, called superoxide dismutase, that makes the cell wall impermeable and keeps antibiotics out. We showed if you knock out this enzyme, the cell wall becomes highly permeable, so antibiotics can get in and become much more active against the bacteria.”

Nguyen now hopes to find a molecule that would block the activity of this enzyme, to weaken the bacteria’s defenses. 🐦

Mark Witten

Associate professor of medicine Dao Nguyen

In the film *The Diving Bell and the Butterfly*, a paralyzed man communicates through a laborious system involving blinking. New eye-tracking software technology could make communication much less difficult for patients with paralysis.



ISTOCKPHOTO

DON'T TOKE AND DRIVE

They measured the drivers’ ability to perform complex driving-related tasks at one-, three-, and five-hour intervals after cannabis consumption (the equivalent of less than a single joint), as well as their self-perception of their comfort level with driving.

The McGill team found that even five hours after inhalation, the participants were impaired in their driving performance, with their perceived ability to drive safely also reduced. The study’s participants did alright in the driving simulation so long as there were no distractions, but problems cropped up when conditions were made more realistic, and the drivers had to contend with unexpected situations.

Says Gélinas, “The key message is that if you inhale cannabis, you shouldn’t be driving. If you do want to drive, you have to wait a certain amount of time before you take the wheel.”

She suggests that the results of the study, which was funded by the CAA, could have an impact on future awareness campaigns, noting the value in having “more evidence to properly sensitize the public on the impact of [cannabis] on driving.” 🐦

Becca Hoff, BA'17

➤ According to polling done by the Canadian Automobile Association (CAA), one in five young Canadians believes they can handle driving a car just fine while they’re stoned. A recent study from McGill suggests otherwise.

The recent legalization of cannabis could result in more drivers taking to the road after smoking a joint. ISABELLE GÉLINAS, PhD'95, an associate professor of physical and occupational therapy, was part of a team of McGill researchers who examined the effects of marijuana use on the driving ability of recreational cannabis users between the ages of 18 and 24.

CHARTING A COURSE FOR THE FUTURE OF RETAIL



EDIFICA

The world of retail has been in a non-stop state of upheaval for the past decade. The **BENSADOUN SCHOOL OF RETAIL MANAGEMENT**, which celebrated its official launch on November 16, expects to play an important role in sorting through the chaos to make sense of where things are going.

The School also intends to collaborate with retailers in helping customers make healthier, more socially responsible decisions.

Retailers now have a massively powerful ability to collect customer data, and use it to customize each person's shopping experience. Most notably, online retailers like Amazon use "recommendation algorithms" to promote specific items based on a detailed analysis of a user's browsing and shopping history.

Traditional bricks-and-mortar retailers have also upped their data game, gathering information on how shoppers move through stores, what they look at, and what they come back to.

In the retail sector, people commonly use this "big data" to maximize sales. But faculty and administrators at the Bensadoun School believe it can also be harnessed for social benefit.

"We want to explore how retail technology can help people to make better choices, like buying healthier food or more sustainable products," says the School's academic director, Saibal Ray. "We want to develop a live retail lab where we can address some of these issues."

Occupying the street-level floor of the Desautels Faculty of Management's Bronfman Building, the retail lab will provide a flexible space where researchers, students, and companies can use pop-up stores and other experimental retail formats to test new technologies, packaging, supply chain optimization, and customer experiences.

While Bensadoun faculty are building relationships with many private companies—including Ivanhoé Cambridge and Nespresso—they are careful to maintain their academic integrity.

"We are not consultants for hire," says Ray. "We're interested in problems with academic importance. We think about big and broad issues, rather than one company's immediate challenge."

There is no shortage of corporate partners who support that approach.

Following the \$25 million initial gift from the Bensadoun Family Foundation in May 2017, retail-industry leaders have stepped up to support the School's mission through the BSRM Founder's Circle, which has raised more than \$7.5 million.

Members of the Founder's Circle include the Apparel Group, Couche Tard, Peerless Clothing, The Rossy Foundation, Saputo, Walmart, Ancapa GmbH (Stent-Torriani Family), CGI, Birks Group Inc. and CloudRaker.

"We are living through a period of tremendous change in retail and to succeed, future industry leaders will need to fundamentally understand consumers' changing behaviours and expectations," says Aldo Bensadoun, BCom '64, LLD '12. "It is my hope that by working with industry partners and leveraging McGill's breadth and depth of research in fields such as accounting and finance, as well as others like psychology, artificial intelligence, neuroscience and sustainability, we will succeed in reinventing the future of retail management."

The School opened its doors in September to undergraduate students. Next year, it will start offering a PhD program, and, subsequently, a master's program.

Marie Josée Lamothe, a professor of practice at the School and the former managing director for Google Canada, welcomes the opportunity to support the School and to "share some of the knowledge I've acquired over the years."

She says it's challenging to prepare students to succeed in one of the most volatile sectors of the economy, where jobs and technology change so quickly. The roles that exist now in the retail sector will likely disappear or transform in just the next few years.

The School uses a broad interpretation of retail, including charities, community organizations, banks and airlines in their definition.

Isabelle Bajoux-Besnainou, the dean of the Desautels Faculty of Management, says this expansive approach sets the Bensadoun School apart from other such university programs around the world.

"The School's global view of retail transcends traditional understanding of the field," she says. "We are taking advantage of McGill's international reach to position retailing as a transformative sector with great bearing on the challenges of our time." 🐦

Patchen Barss (files from Cynthia Lee)

An architectural illustration offers a glimpse of the future look for the Bensadoun School of Retail Management on McTavish Street near Sherbrooke

A LOOK BACK AT THE “BORING BILLION”

The composition of a planet’s atmosphere is a product, in part, of the creatures that inhabit it, and a billion or so years ago, Planet Earth was dominated by stringy ocean-dwellers called cyanobacteria.

They took in carbon dioxide, and let off oxygen, like plants. What would the atmosphere under their reign have looked like? “It’s been an open question how big a footprint these guys have had,” says **PETER CROCKFORD**, PhD’18, who made answering that question the focus of his doctoral studies.

Crockford (pictured) has revealed a slice of ancient cyanobacteria history by examining a salt sample from Ontario, taken from an area that long ago was a lake. The sample had been produced as minerals interacted with the Earth’s atmosphere, leaving encoded clues as to how much oxygen the tiny creatures produced.

“There’s only a handful of deposits on Earth today that preserve these signals,” says Crockford.

He examined the oxygen content in a colleague’s lab by shooting lasers at the sample. It turns out that the cyanobacteria of a billion and a half years ago weren’t producing much compared to the cyanobacteria and other oxygen-producing organisms of today.

While that had been the prevailing notion among scientists about an era with the nickname the “Boring Billion,” Crockford’s analysis provides the first solid evidence, which may make for more accurate models of our planet’s past.

And understanding what our planet used to look like could, perhaps, offer important clues about what to look for in other planets in order to find signs of rudimentary alien life, explains Crockford. “The most alien environment we have access to is [the] deep history of the earth.” 🐦

Shannon Palus, BSc’13



HARTLEY LIN

THE TROUBLE WITH TONE OF VOICE

➤ Imagine someone saying this in a sad voice: “I can’t believe you just did that.” Now, imagine it said with lots of snark. Tone of voice can significantly change the meaning of a sentence—and according to recent research, that meaning can be difficult for teens to decode.

It’s the opposite of what **MICHELLE MORNINGSTAR**, BA’11, PhD’17, a former McGill doctoral student in clinical psychology, expected to find when she set out to evaluate how well teens understand the emotional cues encoded in voices. While previous work showed that young adults had trouble understanding a speaker’s mood, those studies had been done with subjects parsing recordings of adult voices.

Morningstar figured that teens should be more adept at decoding the mood of people their own age. After all, 14-year-olds spend a lot of time hanging around other 14-year-olds—and caring about their opinions. The research involved both teen and adult actors reading a sample of sentences with different intonations.

About halfway through the experiment, Morningstar realized she wasn’t finding the trend she’d expected. “It turns out that teenagers’ tones of voice were difficult to understand for everybody,” she says. “The teens had a double whammy.” Adults had a hard time understanding teens. And teens had an even harder time understanding fellow teens.

Now, Morningstar is exploring the mechanics behind the issue by observing the activity in subjects’ brains via MRI scans as they try to parse the emotions behind a statement.

In the meantime, how to communicate with adolescents without misinterpretation, whether you’re older or a peer? Morningstar’s advice is simple: be direct and take the extra time to explain how you feel. 🐦

Shannon Palus, BSc’13

CONFRONTING A **KILLER**

TUBERCULOSIS HAS LARGELY BEEN TAMED IN THE WEST, BUT IT'S STILL THE DEADLIEST INFECTIOUS DISEASE IN THE WORLD, KILLING 1.6 MILLION LAST YEAR. THE INTERNATIONAL COMMUNITY IS TURNING ITS ATTENTION TO THE MENACE OF TB AND A RESEARCH CENTRE AT MCGILL IS ALREADY PLAYING A MAJOR ROLE.

by Patrick McDonagh





CHRISTINNE MUSCHI

Marcel Behr's work with northern communities raised new questions about latent TB

In 2012 the Inuit town of Kangiqsualujjuaq, population 900, had 69 cases of tuberculosis; it was one of several Inuit communities in Nunavik to experience a TB outbreak that year. The epidemic launched a public health initiative that continues today, as Inuit leaders collaborate with health care professionals and others to define strategies for combatting the disease.

It also provided a McGill research team with important scientific information that has helped change how we understand tuberculosis.

Following the outbreak, Marcel Behr, MSc'95, the founding director of the McGill International TB Centre, collected bacteria samples from patients across Nunavik and applied DNA sequencing to build genetic profiles of each bacteria.

"That process allowed us to track how the bacteria was spreading," says Behr. "And in villages that had experienced outbreaks of TB five or 10 years apart, we found that individuals who had TB previously weren't reactivating a latent strain from previous years, as generally believed, but were having the strain of the year."

This discovery, supported by Behr's other research, can alter how we understand and treat tuberculosis. The accepted belief has been that almost two billion people—a quarter of the world's population—harbour latent TB, and, while currently free of symptoms, were in danger of developing active TB.

A young TB patient in India

However, Behr's findings suggest that most TB active today is the result of infections within the previous year rather than reactivated TB. Consequently, efforts to eliminate TB should focus not on latent tuberculosis in those infected years ago but on individuals in the active chain of disease transmission.

DEATH TOLL IN THE MILLIONS

The work of Behr and his team provides one example of how McGill researchers are playing a pivotal role at a time when the UN, the World Health Organization (WHO), and other global players are focusing more attention on a scourge that has killed an estimated 7.6 million people in the last five years. Survivors are often left with a debilitating loss of lung capacity.

While wealthy nations in Europe and North America have effectively controlled the disease—with, in Canada, the notable exceptions of Inuit and First Nations communities—the story changes in Asia and sub-Saharan Africa, where 95 per cent of cases—and deaths—are to be found.

"Tuberculosis is a disease of poverty. Where there are marginalized, disadvantaged people, that's where you find TB," says Madhukar Pai, who took over the directorship of the McGill International TB Centre in July 2018. "But tuberculosis is curable—saving lives shouldn't be rocket science." Most forms of TB, if diagnosed and treated early enough, can be dealt with. But too often, that doesn't happen. >

ATUL LORE / PANOS PICTURES

Madhukar Pai
is the director
of the McGill
International
TB Centre



“The fact that there is so much TB means we are failing our patients every day by not doing what we already know will work,” says Pai. His research has pointed to alarmingly high rates of misdiagnosis in India, but he says our own country’s track record on TB has one glaring blemish. “The same neglect is seen in Canada: the fact that TB is killing Inuit children is unacceptable.”

In September, Pai took part in an unprecedented international gathering, the UN High Level Meeting on TB. More than 50 heads of state attended, along with government ministers, top TB researchers and key philanthropic leaders like Bill Gates.

The WHO had already pledged to effectively eliminate tuberculosis by 2030, sending it the way of smallpox and other banished killers. The UN gathering resulted in an annual commitment of \$13 billion (U.S) to support that effort. Can TB—with its long history of taking human lives—be wiped out in a dozen years?

INTERNATIONAL IMPACT

Researchers at the McGill International TB Centre are already making important contributions towards making a TB-free world something more than a dream.

A summary of the world’s most-cited TB research papers shows that six per cent of them are from McGill. When *Nature*, one of the world’s most influential research journals, decided to publish summaries of state-of-the-art knowledge of different diseases, it approached Behr and Pai to be co-lead authors for TB, with centre members Maziar Divangahi, PhD’05, and Dick Menzies, MDCM’78, MSc’89, as contributing authors.

Established in 2013, the centre brings together the full range of McGill researchers interested in the disease, from fundamental scientists to clinicians to epidemiologists and public health specialists. “We’re among the few sites in the world with this medical bandwidth, with researchers from different disciplines gathering monthly to discuss TB,” says Behr.

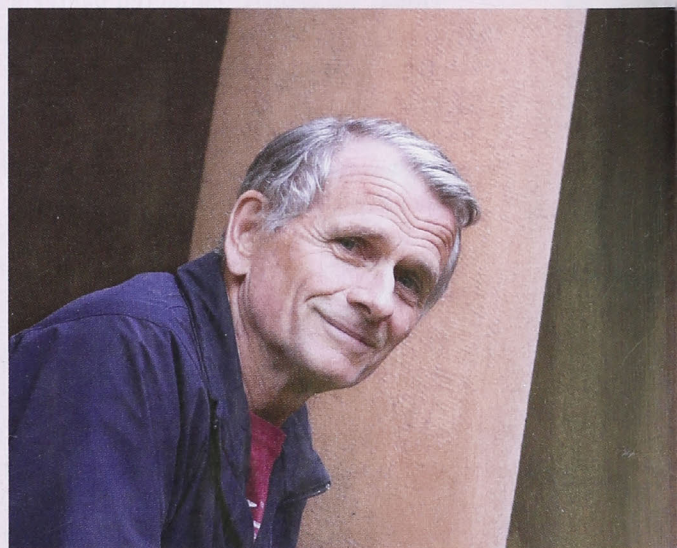
Let’s return to those two billion people thought to carry latent TB, threatening a public health time bomb. While many of them have latent TB, the skin tests used to diagnose TB may only show whether or not the person has at one time hosted the bacteria—not whether it remains present.

As a result, another hypothesis presents itself: many of those two billion may not have developed TB because their immune system protects them, not because the bacteria is simply inactive. Then, the question becomes how to protect those others who are susceptible.

NEW THINKING ON TREATMENTS

The obvious answer is inoculation, but BCG [for Bacille Calmette-Guérin], the TB vaccine currently used for children, dates back to the 1920s, and it isn’t foolproof. “No new vaccine has emerged in 100 years, partly because TB is not profitable for industry and partly because we still struggle with the bacteria’s biology,” says Pai.

CHRISTINNE MIJSCH



Dick Menzies's research
has influenced the
World Health Organization's
treatment guidelines

“The fact there is so much TB means we are failing our patients every day.”



Maziar Divangahi's work looks at ways to combat TB through the immune system

And that's where Maziar Divangahi's research comes in. “We know that around 90 per cent of people infected with TB remain asymptomatic and don't transmit the disease, so they have some sort of natural immunity,” says Divangahi. But immune responses are complex, and developing a vaccine that would imitate that response in susceptible individuals has proven difficult.

For years, researchers have worked with T-cells, a type of white blood cell known to play an important role in the immune system, but clinical trials for vaccines based on T-cells have failed. So Divangahi's team went to the source of the human immune system: stem cells. “We began targeting BCG to stem cells, effectively ‘training’ these cells to generate a strong immune response, a concept known as trained immunity,” he says. This approach, still in the early stages, promises to open new paradigms for vaccine design.

As for those with latent TB, recent clinical studies by Dick Menzies will change how patients are treated. Menzies' lab carried out two massive clinical trials—one with 6,800 adults, the other with almost 850 children—to investigate the efficacy of a four-month treatment regimen with Rifampin as opposed to the current standard medication for latent TB, nine months of Isoniazid.

The results, published in August: Rifampin works as well or better than Isoniazid in less time, demands less supervision and follow-up, and has fewer negative side effects. As attacking latent TB is a key pillar of the WHO's efforts to eliminate TB, Menzies' findings have garnered international attention.

In another study on multi-drug resistant (MDR) TB, a particularly virulent strain that affects 600,000 people a year, Menzies' team solicited anonymous patient data from the authors of all relevant studies published in the last 10 years and then constructed an immense dataset of over 12,000 patients from 25 countries. >



Amrita Daftary led an effort to train pharmacists in India to better detect cases of TB

“With this dataset we were able to analyze the efficacy of individual drugs, combinations of drugs, and different regimens, and to propose new approaches,” says Menzies. These approaches promise significantly higher success rates than the current rates of just over 50 per cent. Menzies’ findings, published in September, have already provided the foundation for the WHO’s new set of MDR-TB treatment guidelines.

EMPOWERING PHARMACISTS AND PATIENTS

In much of Asia and sub-Saharan Africa, care is compromised not simply by lack of drugs, but by other systemic obstacles. One of Pai’s recent research projects saw actors in India serve as “secret shoppers,” mimicking TB symptoms in the full range of clinics consulted by Indians—from those of qualified doctors to those of alternative healers. “The bad news is only a third of TB patients were correctly detected and treated,” says Pai. “Often TB was not detected, or when it was, it wasn’t treated properly. So the question is, how can we address these issues?”

Part of the answer may lie in supporting the gatekeepers of medical care. Amrita Daftary, an assistant professor of epidemiology, biostatistics and occupational health, recently carried out a project in India that sought to educate pharmacists to serve as effective guides to treatment.

Daftary’s team trained about 100 pharmacists—usually businesspeople with no medical background—to perform a quick survey for TB symptoms for anyone presenting with a cough. Then the pharmacist could decide whether to send the individual for an x-ray or to a doctor—or simply sell them cough syrup. “We are trying to capitalize on the trust people have in their pharmacists,” she explains. The study resulted in over 1,500 referrals, with 15 per cent of those eventually being diagnosed with TB.

“The crux of my interest lies on the social determinants of health and health-seeking, and especially issues of stigma and exclusion,” says Daftary, who has also launched a study of South African patients being treated for both MDR-TB and HIV.

One group receives a range of interventions aiming to empower patients, including psychosocial supports (regular meetings of patient support clubs), “treatment literacy” (i.e., further counselling on how the treatments work), and a digital tool that patients could use to monitor their own treatment adherence. The other group receives standard care, which included brief counselling followed by patients taking daily medication under supervision.

“With the current standard, less than 50 per cent complete treatment, so we want to see if another way of supporting patients will lead to better outcomes,” Daftary says. “In addition, these patients are marginalized and face stigma and social repercussions such as lost jobs and social rejection. Can empowering patients help reduce their social suffering?”

TAKING ACTION IN THE NORTH

Identifying barriers and tailoring treatments to the specific needs of communities is crucial to success, whether in Asia, Africa, or, indeed, Canada. In alignment with the WHO, the Canadian government has set 2030 as the date for eliminating TB—which means addressing failures to contain the disease in Inuit and First Nations communities, where rates are 100 to 300 times higher than in the rest of Canada.

Faiz Khan, BSc'01, MDCM'05, a respirologist and director of TB clinical services at the Montreal Chest Institute, is the Nunavik Public Health Department's consultant on TB matters, a role he took on during the 2012 outbreaks. He also visits Nunavik twice a year as a practicing respirologist, and, with Menzies, runs Resp-North, a service that northern clinicians can email whenever they wish to consult about TB or other respiratory diseases.

Khan stresses the importance of Inuit leaders guiding the way for effective TB management. “For many years, responses to treating TB in the north have not been based on the social situations and history of the Inuit,” he points out. “Instead they were based on how we deal with TB elsewhere, and so they have not been effective. There is now a move toward what the national Inuit organization Inuit Tapiriit Kanatami (ITK) calls the Inuit-specific approach to TB.”

To help in developing this approach, Khan was invited by the Nunavik Public Health Department to participate in workshops involving elders and representatives from Inuit communities as well as health care providers, public health officials, and government representatives to exchange ideas and discuss strategies.

And in summer 2018, he organized a three-day intensive course at McGill on TB management for clinicians in Canada's north; the course, which filled quickly, was opened by Hilda Snowball, mayor of Kangiqsualujjuaq, and included an address from ITK president Natan Obed. “It means a lot when researchers are willing to partner with Inuit and not come to us as saviours,” Obed told the audience.

Defeating TB will require this depth of collaboration, including not only researchers and medical professionals but also the communities most affected. “With the Canadian and WHO deadlines of 2030, we're on a clock. We have to be driven by this mission,” says Pai. “Our goal is to shut down the centre because TB is no longer a problem. That would be our greatest success.”

Patrick McDonagh is a Montreal-based writer and a part-time faculty member in Concordia University's Department of English. His work has appeared in The Globe and Mail, The Walrus and Chatelaine.

Faiz Khan, an assistant professor of medicine, is the Nunavik Public Health Department's consultant on TB matters



CHRISTINNE MUSCHI

OWEN EGAN

NOTHING FAKE ABOUT IT

A TURBULENT WHITE HOUSE. AN ANTAGONISTIC PRESIDENT.
AN ONGOING INVESTIGATION INTO RUSSIA'S ATTEMPTS TO INFLUENCE
THE 2016 ELECTION. AND, OF COURSE, THOSE NEVER-ENDING INCENDIARY TWEETS.
MEET THE MCGILL ALUMNI WHO ARE BREAKING SOME OF THE MOST
IMPORTANT STORIES COMING OUT OF WASHINGTON.

by John Allemang

As crazy and chaotic as it looks to the outside world, there is nowhere a journalist would rather be right now than Donald Trump's Washington. Yes, you are regularly branded as “fake news” and labelled “the enemy of the people” by the scandal-prone tycoon who unexpectedly assumed the role of leader of the free world in 2016 and has proceeded to astonish political observers with his impulsive tweets and abrasive tirades.

But in exchange for all the abuse and heckling that has become a routine part of the 24/7 job spent monitoring a deliberately volatile Chief Executive, reporters get to chase down extraordinary stories at an incomparable moment in American history.

For *The New York Times'* Matthew Rosenberg, BA'96, one of a surprisingly large number of McGill graduates reporting on the intricacies of the Trump presidency, the daily trade-offs are easily worth it.

“I've covered the war in Iraq, the war in Afghanistan, I've been all over Africa and was in India for five years. I've had a lot of real cool moments in my career. But I feel I can't top this. I've never covered anything as intense, and intense over such a long stretch. And it's fun—you're out there every day trying to figure out what's going on in a country that's really in the middle of something, and you're trying to decipher it, and explain to the world that this is what's happening. It's a rush, and there are great stories out there.”

One of the biggest stories so far, a story that never seems to end as the tenacious Washington journalists keep probing, is the investigation into Russian interference in the election that propelled Trump to power. Rosenberg, a national-security expert, was an integral part of the *Times'* team that won a 2018 Pulitzer Prize for their exposure of Russian meddling—a prize they shared with *The Washington Post*, whose Pulitzer-winning team included his competitor on the national-security beat and McGill contemporary Devlin Barrett, BA'95.

The Pulitzer was a tribute to the importance of diligent reporting and fearless digging in the face of hostility toward the mainstream media—much of it generated by a beleaguered White House in constant attack mode. But it's not the prospect of public recognition that drives reporters in the Trump era so much as the dogged determination to understand and explain the deep mysteries of Donald Trump as a candidate and a president.

“What motivates you,” says Barrett, part of a team that confirmed that Special Counsel Robert Mueller was investigating the U.S. president for obstruction of justice, “is, hey, here's a riddle that I have to figure out and I'm not going to let it go, and I chip away at it until I'm done. To me, that's fun.”

Washington journalists, particularly those embroiled in the machinations of the Trump campaign and presidency, are a special tribe and their notion of what constitutes pleasure in a pressure-packed job may seem peculiar to the outside world. >



SARAH SILBINGER / CO. ROLL CALL



Matthew Rosenberg covers intelligence and national security for *The New York Times* in Washington

Tim Mak, BA'09, who reports on national security for NPR and broke the story on accused Russian spy and gun lobbyist Maria Butina, started his journalistic career as a columnist for the *McGill Tribune*, recruited by the paper's opinion editor Byron Tau, BA'08—who is now a Department of Justice reporter for *The Wall Street Journal* (and still a close friend). Mak's deeply sourced, data-driven reports may take weeks and months of preoccupied research, and in the high-stakes world of Washington politics, the stress, both external and internal, can feel unrelenting.

ERRORS NOT AN OPTION

"We live in an environment where every single mistake you make, you'll be accused with the epithet of 'fake news.' What keeps you up at night is not the criticism per se but, 'Did I get it right, did I double-check everything, did I protect my sources where I said I would?'"

Developing, evaluating and protecting sources are crucial components of the job during a presidency where public pronouncements seem even further removed from deeper, hidden truths than the Washington norm.

"The stakes are very high and the partisan passions are flaring," says Rosenberg, "so you have to be very careful." Government officials and political figures with access to secret information have never been more inclined to leak, and it's the diligent

reporter's job to take advantage of this human instinct without completely giving into it.

"People talk because people in government care that stories are reported accurately, that the full story gets out," says Barrett. "People say things on background that they can't say on the record because they feel something important is being overlooked or misrepresented. But not everyone's an honest broker."

Journalists chasing a Trump story have to be wary of being spun and perhaps even discredited by self-interested sources—up to and including vicious rivals within the Trump White House who for all their complaints about government leaks constantly use the press to settle scores with each other.

UNDER ATTACK

In this charged political atmosphere, journalists also have to be ready to defend themselves against partisan threats and bullying. Mak learned how to weather abuse early in the presidential campaign when he found himself on the receiving end of a typically foul-mouthed rant by Trump's then personal lawyer Michael Cohen.

Mak had the mental coolness to record the exchange—including such classic Cohenisms as "So I'm warning you, tread very [expletive] carefully, because what I'm going to do to you is going to be [expletive] disgusting"—and in his

reply (“Michael, besides the warning, do you have a substantive comment that I can include...?”), he managed to remain remarkably calm and dispassionate.

“Some reporters might have responded to the threat angrily,” he says, “but maybe my Canadian politeness wouldn’t allow it.”

The negativity in the Trump milieu is inescapable, and yet despite it (and sometimes even because of it), Mak sees his work as a constant pleasure. “It’s vibrant—being a journalist in Washington involves covering a new story every day, meeting new people, meeting new actors, getting their opinions, understanding their point of view. There are costs but also immense benefits to this work—when you sift through huge amounts of information and find that diamond in the rough, of course you get a thrill.”

The thrill of discovery is the endpoint of the non-stop chase. But even the more mundane nature of daily reporting and TV updates has been transformed by the mercurial, unexpected zig-zags of this frantic presidency. “It’s grueling, it’s exhausting, it’s long hours,” says Global Television’s Ines de La Cuetara, BA’12—who on a rare day off still found herself transfixed by Brett Kavanaugh’s Congressional confirmation hearing.

“There are two of us in the DC bureau for Global and we’re filing pretty much every day,” says de La Cuetara. “It didn’t used to be like this, but now there are constant moving parts, there’s always a new tweet, it’s all everyone’s talking about. So it’s the best place to be right now in news—it feels like you’re witnessing a part of history.”

Because she spent 18 months crisscrossing America on the presidential campaign for ABC, living out of a suitcase in an endless succession of unpredictable 18-hour days, de La Cuetara is in the unlikely position of finding Trump’s Washington relatively stable and quiet. But that all can change with an impulsive presidential insult of Justin Trudeau that suddenly needs to be parsed in hourly reports for its potentially drastic consequences.

“The story in retrospect is not just about a bombastic Trump tweet or how he handles personal relationships—it had real implications for NAFTA renegotiations. We have to keep an eye on how all this impacts Canadians down the line.”

Washington journalists, sometimes to their cost, have learned that the public’s capacity for Trump news is limitless.

“I had a funny moment in 2017,” says Barrett, remembering the deep dive he was taking into the rumours of Russian interference at the time. >

NPR’s Tim Mak and
*The Wall Street
Journal’s* Byron Tau
once worked
together for the
McGill Tribune



“If I thought the truth could be defeated,
I wouldn’t do this job.”

“I was in the thick of it, I wasn’t thinking very well, every day was a series of tense conversations and my wife made me go for a physical—she thought I was going to break down, just exhaust myself. I was in the doctor’s office in one of those paper [gowns] and the doctor says, why are you here? I said, well, work’s a little stressful. She says, what do you do? I say, I cover the FBI. And she immediately goes into a series of questions about what do I think the investigation is going to find, what do I think of all these individuals, and I’m politely nodding along thinking, this is great—is this monitor on, are you tracking what’s happening in my body right now?”

A PRESSURE COOKER

The concept of work/life balance doesn’t have a lot of resonance in Washington, particularly among journalists who feel energized by the very work that exhausts them. To escape the craziness, Barrett, at his son’s instigation, now clears his head and sheds journalistic moodiness by making father-and-son trips to the gym every morning—“My personal trainer is a nine-year-old,” he laughs.

De La Cuetara does yoga, visits museums, goes horseback riding, seeks out friends who are not reporters and studies Mandarin (“You have to turn your phone off and pay full attention, so that’s almost like meditation”).

Besides turning off his phone in the evening, as all Washington journalists with an interest in self-preservation claim to do, Tau took a fellowship to Japan and researched a much-admired article about Japanese baseball culture—“probably the most fun piece I ever got to write,” he says.

He also renewed an interest in chess, a distraction he had developed in the *McGill Tribune* offices—“although I took up chess on my cell-phone,” he says, “so I don’t know if I actually curbed my phone addiction.” Rosenberg likes to go camping with his children in (seemingly) remote Appalachia, where he still can’t help assessing the inequalities of America through his journalistic lens. “Trump is, if anything, a symptom of the deeper problems we have. He is not the creator of them.”



RON AIRA

Ines De La Cuetara
is Global National's
Washington
correspondent

Devlin Barrett writes about national security and law enforcement for the *Washington Post*



RON ATRA

TARGETING THE PRESS

There's no doubt, though, that Trump has leveraged the latent hostility felt by his supporters against the media and created a raucous climate of almost giddy animosity. "I've worked in places where journalists are treated like the enemy," says Rosenberg, who had to leave both Afghanistan and Pakistan after being accused of being a spy. "It's not pleasant and makes the job much harder and adds risks. Here, we're not that hard to find. If someone wants to do us harm, they're going to do that."

That point was made frighteningly clear on October 24, when the New York offices of CNN were evacuated after a suspicious package was discovered in its mailroom. The package contained a pipe bomb. CNN (the vice president of news gathering in its Washington bureau is Adam Levine, BA'94), along with *The New York Times* and *The Washington Post*, are the news organizations most frequently accused of being "fake news" by President Trump.

Rosenberg was the subject of Trump's scorn when he and his *Times* colleague Maggie Haberman reported on concerns among U.S. intelligence officials over the president's habitual use of non-secure cellphones and how it made him vulnerable to foreign spies. Trump declared the report a "Fake Story" on Twitter.

Washington reporters generally feel more concerned with the inflammatory rhetoric of the president and his team than with the jeers hurled

at them by Trump supporters. "Journalists currently have to grapple with public skepticism," says Tau, "but the best thing we can do is to counter it with good work. When I go to Trump rallies and he points to the press, we get booed. But I never felt it was truly menacing or ominous. You talk to the same people who heckled you and they can be quite friendly."

There's some consolation in that kind of face-to-face encounter—the United States may not be quite as divided and polarized and angry as it can seem when compacted into a presidential tweet. And that ultimately gives the embattled Washington reporters more hope and confidence in the work they do.

"I do think it's disturbing and worrisome," says Barrett, "that part of the way to defend yourself as a public figure is to trash us. The best way to show that's not true is through the work. Certainly in some quarters, there's an effort to defeat the truth. I'm all in on the notion that truth is something that doesn't die or get buried. It can be delayed or held up at the station. But if I thought the truth could be defeated, I wouldn't do this job." 🐦

John Allemang is a Toronto-based writer and a former feature writer with The Globe and Mail. His work has earned a National Magazine Award and a Digital Publishing Award, and has been shortlisted for National Newspaper Awards and a Canadian Online Publishing Award.

Why wait for grad school?

THANKS TO AN ARRAY OF OPPORTUNITIES AT THE UNDERGRADUATE LEVEL, A GROWING NUMBER OF MCGILL STUDENTS ARE GETTING THE CHANCE TO EXPERIENCE THE JOYS (AND FRUSTRATIONS) OF WORKING ON MAJOR RESEARCH PROJECTS BEFORE FINISHING THEIR BACHELOR'S DEGREES.

by Maeve Haldane



Poke your head into a McGill research lab—particularly in the summer—and you might walk away thinking that some of those graduate students look awfully young. There is a reason for that. They probably aren't graduate students.

In recent years, undergraduates at McGill have had access to a growing number of opportunities to dive into serious research work. Those opportunities will continue to expand, says Interim Deputy Provost (Student Life & Learning) Fabrice Labeau.

"We pride ourselves on being a research-intensive and student-centred university, in which teaching and learning are informed by the latest research," says Labeau. "One of the key choices that McGill has made is to focus on having our professors, who are star researchers, [teach] in the classroom."

Undergraduates with an interest in experiencing research for themselves should have the opportunity to flourish in such an environment, reasons Labeau. McGill has an array of programs designed to promote undergraduate research and these programs "allow students to apply their knowledge to real, current and cutting-edge research questions and problems."

Victor Chisholm, BA'97, the undergraduate research officer for the Faculty of Science, plays a major role in coordinating some of those programs. "McGill is a special kind of university, where [undergraduates] get to participate in real research," he says. "Not just lab courses that teach existing techniques, not just washing test tubes—they play active roles in research that pushes forward the frontier of knowledge."

INVESTIGATING THE THREE BARES

And, in at least one instance, that research has helped us gain a better understanding of something that many McGillians walk past on a daily basis.

Tara Allen-Flanagan, an art history and English literature student, spent much of last summer delving into art archives to find out everything she could about an iconic piece of McGill's downtown campus—The Three Bares fountain.

The naked marble men holding up an earthen bowl on the lower field have been a familiar part of the McGill landscape for generations of students, but information about the fountain's origins is almost as scant as the figures' clothing. The official name of the statue is The Friendship Fountain, and it was crafted by Gertrude Vanderbilt Whitney, whose family fame and wealth often overshadowed her artistic talent.

Vanderbilt Whitney's papers were recently digitized for the Smithsonian Institutes Archives of American Art, and an exhibition about her sculpture—the first since her death in 1942—was mounted this past spring in West Palm Beach. So the timing was right.

By poking through unlabeled files and cross-referencing letters, Allen-Flanagan, supported by an Arts Undergraduate Research Internship Award (ARIA), pieced together a narrative. And by working out the timing of the sculpture's creation, Allen-Flanagan was able to find preliminary sketches of the artwork, "as if it just popped out of thin air!"

Allen-Flanagan discovered the sculpture was commissioned for the New Arlington Hotel in Washington D.C., which was never built. Auguste Rodin himself critiqued a sketch of the main male figure, and the sculpture was carved in 1913. >

All of this was lost in time, however, and when the fountain was donated to McGill in 1931, Allen-Flanagan says, “the three figures were hailed as representing England, Canada, and the United States coming together to hold up a bowl for the fertile soul of the nation! And this was sculpted in 1913 to decorate a hotel, when she was studying Greek myth.”

Gwendolyn Owens, director of McGill’s Visual Arts Collection, supervised Allen-Flanagan’s efforts. “I expected Tara would find back-and-forth letters, but not all of this amazing material. It’s a very complicated story that Tara made much more complicated by all she was able to find and figure out about these early sketches.”

The realization that there’s still so much to uncover in the world of art history led Allen-Flanagan to apply to graduate school.

What happens if a student isn’t enthralled by a research project? Owens says that realization can provide valuable insights of its own. She recalls one student who decided that art conservation—spending weeks at a time focused on the preservation of the same object—wasn’t for her. She pursued a career in history instead.

The ARIA program is administered by the Faculty of Arts Internship Office. “Unlike in the sciences, where it is common practice for upper level students to work in their professors’ labs, the opportunity to work directly with a professor on their research is less common in many arts disciplines,” says Anne Turner, director of the Faculty of Arts Internship Office.

She credits former dean of arts Christopher Manfredi (now McGill’s provost) as the driving force behind the creation of ARIA in 2010. “[He] recognized this [gap] in opportunities for arts undergraduates, particularly those who were contemplating academia as a career.” The program is largely funded by donors and by participating professors’ research grants. The Arts Undergraduate Society of McGill University and the Dean of Arts Development Fund also provide support.

Students who take on a summer ARIA position benefit from the mentorship of a faculty member, while professors gain enthusiastic assistants who contribute to their research agendas.

ARIA is only one of several programs at McGill that offer undergraduates the chance to take on research responsibilities under the supervision of McGill professors during the summer months. The Faculty of Engineering’s Summer Undergraduate Research in Engineering (SURE) Program, the Faculty of Science’s Science Undergraduate Research Awards (SURA) and the Faculty of Medicine’s Global Health Scholars program all offer undergraduates the opportunity to put their textbooks aside for the summer and see what research looks like close up.

Like ARIA, these programs pay their undergraduate participants for their work. And, like ARIA, the programs all benefit from the support of generous donors. All four programs include major wrap-up events with research posters summarizing the projects that the students worked on.

ARTS UNDERGRADUATE RESEARCH INTERNSHIP AWARD



ALEX TRAN

SUMMER UNDERGRADUATE RESEARCH IN ENGINEERING



ALEX TRAN

OUT IN THE FIELD

Civil engineering student Amara Regehr took part in the SURE program last summer, working on a project that measured gas emissions from abandoned oil and gas wells in British Columbia. Her supervisor was assistant professor of civil engineering Mary Kang. Regehr worked closely with Kang on the planning for the project, on the data collection in the field, and on the data analysis.

Once in Fort St. John, B.C., (Regehr booked the flights and hotel, too), she and Kang drove around to examine sites. Because the wells were no longer in use, they should have been capped and buried quickly. But many were just abandoned and had been leaking gases like methane for years. “Companies don’t necessarily feel obliged to actually follow the protocol,” Regehr says.

She hopes to work with Kang in the future and she’s definitely thinking of focusing more on environmental issues in her final years at McGill. “SURE is really a great program,” says Regehr.

“Being able to learn outside the classroom is a wonderful thing,” says Chidinma Offoh-Robert, the director of administration for the Faculty of Engineering and the interim associate director of the McGill Engineering Student Centre.

Tara Allen-Flanagan (left),
Amara Regehr (top)
and Steven Stechly (right)

Offoh-Robert says the SURE program often allows students to try their hand at something new. “You might see a student from mechanical engineering do a SURE [project] in electrical, or an architecture student who does one in civil. It allows our students to cross boundaries.”

NORTHERN EXPOSURE

The McGill Global Health Scholars program also prides itself on its crossdisciplinary approach. While most of the students who take part in both its undergraduate and graduate streams hail from the Faculty of Medicine, students from other parts of the University are free to participate too. Steven Stechly would be one example.

Stechly, who is doing a double major in political science and psychology, worked on a project last summer addressing patterns of violence and inter-generational trauma with the Cree Health Board in Waskaganish, in the Eeyou Istchee territory that shares borders with northern Quebec. He was supervised by Anne Andermann, BSc’94, MDCM’02, an associate professor of family medicine. >

ALEX TRAN



GLOBAL HEALTH SCHOLARS PROGRAM

Before heading north for his summer research project, Stechly did preparatory research in Montreal on “two-eyed seeing,” which is a way to incorporate Western approaches with Indigenous knowledge. He had many long phone conversations with those up north, including Cree elder George Diamond.

Much of his work focused on lateral violence, a term that originated on the West Coast that describes how the treatment by oppressors becomes so culturally entrenched that the behaviour is perpetuated within Indigenous communities—people treating others as they have historically been treated.

Elders in the community had proposed a shift in focus to kindness and the positive. Building on this idea and the work done before him—even researching the neurological effects of kindness—Stechly designed workshops on lateral kindness, another West Coast term that emphasizes resilience and social support.

To make these interactive workshops culturally relevant, Stechly used the Cree language as much as possible, and turned to the goose, which is central in Cree culture. Creating games that play on how geese work together and fly, for instance, “really engaged the youth,” he says. He adapted the workshop for different audiences. “Lateral kindness is going to be different in a health care setting, an educational setting, a youth protection services setting.

“It was an incredible experience,” says Stechly of last summer. He has applied to law school, and plans to focus on the challenges in administrative health, about which he learned so much.

Jill Baumgartner, an associate professor with the Institute for Health & Social Policy, has overseen the efforts of several undergraduates in the Global Health Scholars program and she is a firm believer in their ability to make significant contributions. “They’re dynamic, they’re smart. I schedule meetings with them on Fridays because I leave [work] feeling better about the world.”

Her projects, which employ both undergraduates and graduate students, explore the impact of air pollution on health, and are truly global in span from the Tibetan Plateau to Colombia. “It’s helpful to just have extra hands,” says Baumgartner. “We work [students] pretty hard, long days and there are lots of challenges from equipment breaking to bad weather.”

Baumgartner is often right there along with them, helping to troubleshoot and fix equipment, even scouring shops for a specific screw for an instrument. “It’s important for them to see these are not jobs we’re giving to them because they’re below us, these are jobs we do as well.”

NOT ALL CUT AND DRIED

The Faculty of Science’s Victor Chisholm estimates that more than half of the undergraduates in his faculty take on at least one significant research project of some kind—some as part of an honours degree, some through the SURA program, and some through a series of independent research courses for undergraduates that are growing in popularity.

These classes, designated as ‘396’ courses in most departments, also frequently offer undergraduates a chance to explore unfamiliar terrain. “It allows students to do research outside their own home department,” says Chisholm.

“I think undergraduates recognize that research is an interesting thing to do, and they’re motivated [to do it],” says Earth and planetary sciences professor John Stix, the associate dean (research) in the Faculty of Science.

“They’re dynamic, they’re smart. I schedule meetings with them on Fridays because I leave [work] feeling better about the world.”

SCIENCE UNDEGRADUATE RESEARCH AWARDS

OWEN EGAN



Stix, a volcanologist, frequently incorporates undergraduates as part of his research teams, taking them on expeditions as far afield as New Mexico and Iceland. “It’s not everybody’s cup of tea,” Stix says of research work. “[Some undergraduates] think there’s some sort of truth out there. Well, there *may* be some sort of truth out there, and research is trying to find the answer to something, but it’s not cut and dried.” Projects go awry, expected results go south, directions shift. Students learn that perseverance and an ability to adapt are key.

Biology student Océane Marescal found that out herself, working on a SURA project in the lab of associate professor of biology Frieder Schöck. “Research can be a lot of fun, but it’s also at times frustrating.”

Marescal spent the summer focusing on fruit flies—specifically a certain protein related to muscle fibers. She gained an appreciation for how fruit flies can serve as useful analogs for people in some ways—the work in Schöck’s lab could have implications for muscle diseases that afflict humans.

She is grateful for the chance to have contributed to such work and she is now applying for graduate studies “because of the amazing time I had in Dr. Schöck’s lab.”

**Océane Marescal (pointing)
discusses her work at
the Faculty of Science
Undergraduate Research
Conference**

There are other opportunities for students to take part in research at McGill. The Faculty of Law supports research assistantships and travel grants for research projects. Students in engineering and science-oriented faculties can apply for NSERC Undergraduate Research Awards (co-funded by participating professors and the Natural Sciences and Engineering Research Council). McGill’s Social Equity and Diversity Education Office also supports undergraduates in summer research initiatives in collaboration with the ARIA and SURA programs.

Fabrice Labeau can list several ways in which these programs benefit undergraduates: “An understanding of the complexities and realities of research at the cutting edge; skills in terms of work prioritization, management and teamwork that will be applicable in any future career; an inspiration to maybe pursue a career in research.”

Looking back at her SURE experience, Amara Regehr says the chance to get involved in research was eye-opening.

“You see the university as not just your classes, but as the research university that it is.” 🐦

Maeve Haldane is a Montreal-based writer and a former editor of the McGill Reporter. Her work has recently appeared in Concordia University Magazine and The Montreal Gazette.





Cent ans d'avance sur son temps

IL Y A PLUS DE SOIXANTE ANS, LA « GRANDE DAME DE LA MÉMOIRE » RÉVOLUTIONNAIT LA NEUROPSYCHOLOGIE. AUJOURD'HUI, À CENT ANS BIEN SONNÉS, BRENDA MILNER NE SE SENT PAS PRÊTE À ACCROCHER SON SARRAU.

Par Julie Barlow (B. A. 1991)

Traduction : Jean-Benoît Nadeau (B. A. 1992)

Révision : Éric Berndsen

C'est grâce à un simple exercice de dessin que Brenda Milner, professeure à l'Institut neurologique de Montréal (INM), a réalisé une découverte capitale qui allait non seulement révolutionner notre conception de la mémoire, mais également mener à la fondation d'une toute nouvelle discipline : la neuropsychologie.

Brenda Milner, qui a soufflé ses cent bougies le 15 juillet 2018 et qui poursuit activement des recherches à l'INM, ne se lasse pas de raconter comment tout a commencé. En 1957, un collègue chirurgien lui demande d'examiner le cas d'Henry Molaison (H.M.), un patient du Connecticut atteint d'épilepsie devenu gravement amnésique à la suite d'une intervention chirurgicale au cerveau. « Du jour au lendemain, H.M. ne se souvenait plus de rien », raconte la titulaire de la Chaire de neurologie et de neurochirurgie Dorothy-J.-Killam à l'INM, bien campée derrière son bureau encombré de papiers. « Et je lui ai demandé de dessiner une étoile en regardant sa main à travers un miroir. Évidemment, il a fallu qu'il réapprenne à le faire. Or, non seulement y est-il parvenu, mais il s'en est souvenu. » Le cas de H.M. — son nom véritable n'a été dévoilé qu'à son décès, en 2008 — a révélé que la mémoire consciente et celle qui guide nos activités motrices sont deux facultés distinctes.

« Par le fait même, Brenda Milner démontrait qu'il n'y a pas qu'une seule forme de mémoire, mais bien une multitude. Une découverte révolutionnaire! », affirme Julien Doyon (Ph. D., 1988), neuroscientifique en cognition et directeur du Centre d'imagerie cérébrale McConnell, à l'INM.

« La contribution de Brenda Milner à l'étude de la mémoire humaine est parmi les plus significatives qui soient », dit Eric Kandel, neuroscientifique à l'Université Columbia et lauréat du prix Nobel de physiologie ou médecine en 2000. C'est d'ailleurs la percée de Brenda Milner qui a incité Eric Kandel à se pencher sur l'étude des bases moléculaires de la mémoire au niveau des neurones.

La neuropsychologue de renommée mondiale a obtenu vingt doctorats honorifiques et plus de soixante-dix prix, dont l'Ordre du Canada. Elle était âgée de 91 ans, en 2009, lorsqu'elle s'est vu décerner le prix Balzan en neurosciences cognitives, une prestigieuse récompense assortie d'une bourse d'un million de dollars. Puis, en 2014, elle a remporté le prix Kavli, qui reconnaît une contribution exceptionnelle dans les domaines de l'astrophysique, des nanosciences et des neurosciences. >

La Pr^e Brenda Milner lors d'un symposium spécial organisé en septembre 2018 par l'Institut neurologique de Montréal en l'honneur de ses réalisations.

UNE DÉCOUVERTE TOUJOURS BIEN ACTUELLE

Eric Kandel explique que les travaux de Brenda Milner ont été parmi les premiers à démontrer la capacité du cerveau humain à réorganiser ses fonctions à la suite de lésions causées par un accident ou une chirurgie. « Elle a été à l'avant-garde des chercheurs qui ont soutenu que l'hippocampe (une structure interne du cerveau qui a vaguement la forme de l'animal) jouait un rôle très important dans le processus de formation des souvenirs. La démonstration qu'elle en a faite était révolutionnaire dans le domaine. »

« Cette observation fait encore l'objet de travaux par des scientifiques aujourd'hui! », mentionne Julien Doyon, qui étudie les mécanismes d'adaptation des réseaux neuronaux dans l'acquisition d'habiletés motrices. « Nous sommes quelques milliers dans le monde à nous pencher sur les différentes formes de mémoires, et nous cherchons essentiellement à répondre aux questions que Brenda Milner posait il y a 65 ans. »

Pendant sept décennies, la professeure Milner a guidé plusieurs dizaines d'étudiants postdoctoraux vers une carrière en neuropsychologie et en neuroscience. « Ses étudiants ont pu s'appuyer sur ses observations initiales », indique Denise Klein, directrice du Centre de recherche sur le cerveau, le langage et la musique de l'Université McGill à l'INM. Denise Klein est l'une des postdoctorantes venues à l'INM pour étudier avec Brenda Milner — dans son cas, c'était en 1992. Depuis vingt-six ans, les deux femmes collaborent à une étude portant sur les chaînes neuroniques participant à l'acquisition de langues maternelles ou secondes — chez des sujets bilingues.

Julien Doyon raconte que ses étudiants la surnomment le « Filtre de Manchester », par allusion à ses origines. Car le « Filtre de Manchester » ne laisse rien passer. « La professeure Milner est une mentore très exigeante, non seulement sur le plan de la conception de la recherche et de la justesse des questions posées, mais aussi de l'évaluation et de la communication des résultats », précise Julien Doyon,



(Eh haut) La P^{re} Milner a reçu la Médaille d'honneur de l'Assemblée nationale du Québec en mai 2018, qui lui a été remise par Jacques Chagnon, président de l'Assemblée nationale.

(Au centre) La P^{re} Milner, le P^r John O'Keefe, M.A. 1964, Ph. D. 1968, D. Sc. 2015 (à gauche), et le D^r Marcus Raichle ont été colauréats du prix Kavli 2014 en neurosciences.

(En bas) La P^{re} Milner en compagnie du D^r Eric Kandel, lauréat du prix Nobel.



« Ça ne m'étonne pas du tout qu'elle n'ait jamais pris sa retraite. En fait, je crois que ce n'est même pas dans son vocabulaire. »

dont la thèse de doctorat a été supervisée par Brenda Milner. « Parfois, elle raturait des pages entières au crayon rouge. Ça signifiait "On reprend tout" ou "Rien à conserver". »

« Elle vous donne son avis promptement et sans détour », dit Denise Klein. « Mais elle est très ouverte à laisser ses étudiants explorer ce qui les inspire. Elle joue très bien son rôle de soutien. »

Brenda Milner attribue sa réussite en neuropsychologie à la curiosité, tout simplement. « Il faut écouter son patient. S'il vous dit avoir des problèmes de mémoire, c'est là-dessus qu'il faut se concentrer », dit-elle. Julien Doyon rappelle qu'au début de sa carrière, Brenda Milner avait bien d'autres champs d'intérêt que la mémoire. « Mais c'est en écoutant des patients qui disaient avoir des problèmes de mémoire qu'elle s'est mise à s'y intéresser », explique-t-il.

Denise Klein mentionne que, si le travail de Brenda Milner a conservé toute sa pertinence, c'est parce qu'elle appuyait ses travaux sur les résultats obtenus. « Elle écrit bien, elle est très précise et fine observatrice, mais ce qui la guide, ce sont les données. Elle ne s'est jamais fondée sur une idée fixe qu'elle tentait de prouver. »

Selon Denise Klein, à un moment ou à un autre de sa carrière, Brenda Milner a écrit sur tous les sujets relatifs au cerveau. Eric Kandel va plus loin : « Elle a été la première à puiser dans les ressources de la psychologie pour éclairer les sièges de la mémoire dans le cerveau. Sa contribution à l'étude de la mémoire est tout simplement fantastique. Dans le domaine, son travail est absolument fondamental. »

En 2017, à l'approche du centenaire de Brenda Milner, le *New York Times* a publié un article sur l'importance de son travail. En septembre 2018, l'Université McGill a organisé un symposium extraordinaire afin de souligner l'événement et d'honorer la longue carrière de la chercheuse. Puis, en décembre 2018, l'Université Rockefeller consacrera un symposium entier en son honneur, sous le thème Memory, Mind and Mechanism.

Brenda Milner doit sa nationalité canadienne notamment à la guerre. Jeune boursière, c'est à l'Université de Cambridge, où elle a obtenu un baccalauréat en psychologie expérimentale en 1939, que Brenda Langford fait la connaissance de son futur époux, Peter Milner. En 1944, ce dernier étant sollicité pour collaborer au lancement du programme d'énergie atomique canadien, les fiancés se marient et déménagent à Montréal. « Je pensais vivre ici un an, et voici où ça m'a menée! », lance Brenda Milner, qui a enseigné la psychologie à l'Université de Montréal avant d'être recrutée par McGill en 1953.

CONTINUER DE TRANSMETTRE SON SAVOIR

Bien qu'elle soit une pionnière parmi les femmes de science, Brenda Milner n'aime pas beaucoup parler des difficultés auxquelles sont confrontées les femmes dans les cercles scientifiques. « Dans les années 1930, les possibilités des femmes étaient limitées parce qu'il y avait peu d'universités qui admettaient des étudiantes », dit-elle. « Mais j'étais très ambitieuse. Et ma mère l'était également pour moi. J'étais très compétitive. On naît comme ça. »

Elle n'est guère plus loquace sur sa longévité. « Je pense que c'est génétique. Ma mère, qui était musicienne, a vécu jusqu'à 95 ans, et elle enseignait encore la musique passé l'âge de 80 ans. Mais je pense que, dans mon cas, c'est de l'entêtement. Rien à voir avec un talent particulier. Il y a des gens qui se découragent à la première difficulté. Je ne me suis jamais laissé arrêter. » >

Cette bande dessinée illustrant les travaux de recherche de la Pre Milner sur le patient H. M., par Johanne Davis (recherche et scénario) et Réal Godbout (scénario et dessins), est parue dans Les Grands Débrouillards en 2001.

Et c'est ainsi qu'à cent ans, Brenda Milner travaille toujours. Deux ou trois jours par semaine, elle se rend au bureau à pied. « Elle dirige encore une étudiante postdoctorale qui s'intéresse aux dominances interhémisphériques. Ça ne m'étonne pas du tout qu'elle n'ait jamais pris sa retraite. En fait, je crois que ce n'est même pas dans son vocabulaire », confie Julien Doyon. De son côté, Denise Klein croit que la professeure Milner ne différencie pas le travail des loisirs. « Ses amis sont ses collègues. Il n'y a pas vraiment de frontière entre son travail et sa vie personnelle. »

Denise Klein nuance toutefois: « Brenda Milner n'a jamais été un bourreau de travail. "Si vous n'avez pas la tête au travail, rentrez chez vous et faites autre chose. Mais si vous en avez envie, venez travailler!", disait-elle ».

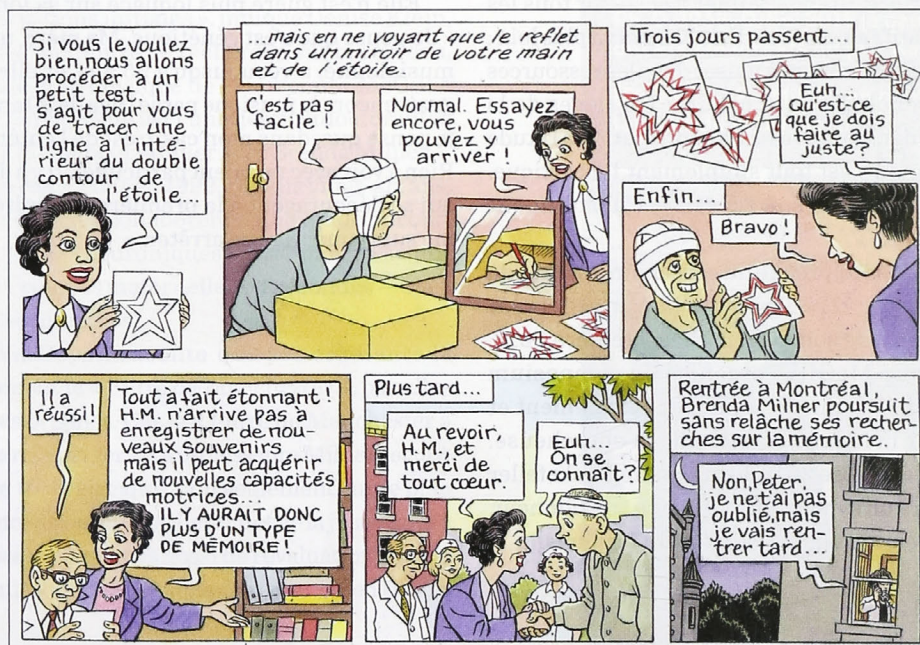
Bien qu'elle préfère éviter le sujet de l'âge, Brenda Milner avoue être éblouie par les progrès scientifiques dont elle a été témoin en soixantedix ans de carrière. « Avant l'arrivée de la neuro-imagerie, dans les années 1980, on ne pouvait observer un cerveau que sur un sujet décédé. Ça allait si le décès avait lieu quelque temps après l'étude

du cas, mais s'il survenait quinze années plus tard, le cerveau du patient avait eu le temps de se modifier dans l'intervalle. Ce n'était pas idéal! Je me souviens encore de la première fois où j'ai pu voir le résultat de la neuro-imagerie. Mon Dieu! Un cerveau vivant en action... C'était extraordinaire! »

Si elle admet que le poids de l'âge se fait sentir, physiquement et mentalement, Brenda Milner entend continuer à œuvrer comme mentore. « J'adore mes jeunes étudiants. Ce sont mes amis. » Comme elle l'a dit elle-même sur les ondes de Radio-Canada au cours d'une émission honorant son centenaire: « Quand on conjugue l'expérience avec la vivacité des jeunes, on obtient une combinaison gagnante ».

Il n'est pas étonnant d'apprendre que Brenda Milner a une opinion bien arrêtée sur l'état de la recherche dans son domaine. « Au début, la neuropsychologie n'intéressait personne. Aujourd'hui, cette discipline est très en vogue. Certes, c'est gratifiant, mais la situation est telle que trop de jeunes souhaitent maintenant s'y consacrer. Je veux encourager les gens à faire autre chose. Il faut trouver de nouvelles voies. »

Julie Barlow est journaliste et auteure. Elle a écrit des articles en français et en anglais pour plusieurs publications au Canada, aux États-Unis et en Europe. Elle collabore à L'actualité depuis longtemps, et parmi ses livres, on compte The Story of Spanish et Ainsi parlent les Français.





OWEN EGAN

The sensational centenarian

OVER THE COURSE OF HER 70-YEAR CAREER, BRENDA MILNER HAS BLAZED A TRAIL THAT THOUSANDS OF NEUROSCIENTISTS CONTINUE TO FOLLOW.

by Julie Barlow, BA'91

A simple drawing exercise led Brenda Milner, PhD'52, DSc'91, to a discovery that would radically alter everything we thought we knew about memory.

Milner, who celebrated her 100th birthday on July 15, and continues to do research at the Montreal Neurological Institute and Hospital, still likes to describe how the discovery unfolded. In 1957, a surgeon colleague asked her to examine Henry Molaison, a 29-year-old man from Connecticut who had suffered a bilateral brain lesion from a surgery that left him amnesic.

"From one day to the next, 'HM' couldn't remember a thing," says Milner, The Neuro's Dorothy J. Killam Professor. "But I asked him to trace a five-point star while watching his hand in a mirror. The mirror changes everything. He had to learn to draw again from scratch. Not only did he learn, but he remembered what he learned the next day."

His ability to progress in this new skill from one day to the next was a startling finding. The case of "HM"—his real name was only revealed when he died in 2008—proved that conscious memory, and memory of motor activities, are separate and distinct capacities.

"Brenda Milner demonstrated that there wasn't just one type of memory, but a multitude of types. It was revolutionary," says cognitive neuroscientist Julien Doyon, PhD'88, director of The Neuro's McConnell Brain Imaging Centre.

"Brenda Milner is one of the most important contributors to the study of human memory storage," says Columbia University neuroscientist Eric Kandel, a Nobel Prize winner for his research on the physiological basis of memory storage in neurons.

Kandel explains that Milner's studies were among the first to demonstrate that brains could reorganize their functions after damage from an accident or surgical operation. "She was one of the people who pointed out that the hippocampus [the small organ in the brain's medial temporal lobe, resembling a seahorse, that is associated with long-term memory] was important for memory storage. Her demonstration that the hippocampus was critically involved in memory storage was a revolution for the field."

"Researchers to this day are still working on her observations," says Doyon, who investigates the changes in neural networks associated with the acquisition of motor skills. "I am one of thousands of researchers in the world studying different types of memory, who are essentially working on the same questions she was asking 65 years ago." >

Brenda Milner at a symposium organized by the Montreal Neurological Institute to celebrate her 100th birthday



Over the decades Milner has guided dozens of young researchers toward careers in neuropsychology and neuroscience. “Her students have built on her original observations,” says Denise Klein, one of Milner’s former protégés and now the director of McGill’s Centre for Research on Brain, Language and Music. Klein and Milner have collaborated for the last 26 years, studying bilingual subjects to understand how different neural pathways are used to acquire new and native languages.

Doyon says Milner is known by her students as the “Manchester Filter”—Manchester is the British city where she was born and ‘filter’ because she doesn’t let mistakes slip by her. “As a mentor, she is very, very demanding,” says Doyon, who did his doctoral thesis under her supervision. “She returned my writing to me with entire pages covered in red lines. It meant, “Go back to the drawing board,” or “nothing salvageable.”

“You know exactly where you stand with her and what her position is on things,” says Klein. “But she is quite open to letting people explore what they find interesting. And she provides a supportive role for that.”

Klein believes Milner’s work has stood the test of time because she built her research on firm results. “She has always been very data-driven. She never had specific ideas she wanted to prove. She always worked with what the results showed.”

Born in 1918, Milner (then Brenda Langford) won a scholarship to the University of Cambridge, where she earned a degree in experimental psychology in 1939. That’s where she met her future husband Peter Milner. When he was asked to help launch Canada’s atomic energy research program in 1944, the couple got married and moved to Montreal. “I thought I’d stay in Montreal for one year and here I am!” says Milner, who taught psychology at the Université de Montréal before moving to McGill in 1953.

Though a pioneer among women working in science, Milner has little interest in dwelling on the subject. “Opportunities for women in my time were very limited by the fact that few universities admitted women in the 1930s,” she says. “But I was very ambitious. My mother was very ambitious for me. I like competition.”

Asked about her longevity, Milner responds, “I think it’s genetic. My mother, who was a musician, lived to be 95 and was teaching music until she was in her eighties. I think part of my longevity just comes from stubbornness. It has nothing to do with talent. Some people get put off by the first little difficulty. I’m just not easily deterred.”

At 100 years of age, Milner still walks to her office a few days a week. “She still has a postdoc student working on inter-hemispheric differences in the brain,” says Doyon. “I’m not the slightest bit surprised she has never retired. I don’t believe the word is in her vocabulary.” Adds Klein, “I don’t think she differentiates between work and play.”

Milner admits she’s dazzled by the progress science has made during her 70-year career. “Until neuroimaging became possible, in the 1980s, we had to wait until people died to really see their brains. I still remember seeing neuroimaging for the first time. Oh my God! The living brain in action! It was marvellous.”

Milner receives one of the many honorary degrees she has earned—this one from University of Calgary chancellor Robert Thirsk, MDCM’82

What **McGill Moment** makes you **#McGillProud**?



"Performing with a student jazz group in New Orleans – the birthplace of jazz!"



"Landing an internship with NASA in California"

"Trying to persuade the administration to name the student union building after William Shatner"

"Winning the national squash championship"

"Surviving my first Montreal winter"

"Meeting my future wife"



March 13, 2019

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TALES FROM THE FINAL FRONTIERS

Growing up in the 1960s, **DAVE WILLIAMS** was intrigued by outer—and inner—space. He would watch *The Undersea World of Jacques Cousteau* spellbound, then put on a facemask “and engage in snorkel exploration of the six-inch depths of the bathtub,” Williams writes in his new memoir *Defying Limits: Lessons from the Edge of the Universe*.

Williams would later visit both locations as an astronaut and aquanaut. He travelled to space in 1998 aboard space shuttle *Columbia*, and in 2007 on *Endeavour*. He also went on two underwater missions to Aquarius, the undersea research laboratory, off the coast of Florida.

“I was very fortunate to explore the two final frontiers,” says Williams, BSc’76, MDCM’83, MSc’83, DSc’07.

“It was just remarkable to think that my dream of becoming an explorer and exploring underwater and exploring space would actually come true.”

Williams wrote four children’s books about space before tackling his memoirs, which includes his early life in Montreal’s West Island.

He writes that failure is more instructive than success and recounts how he failed a presentation that would have allowed him to go directly into a PhD program at McGill. Williams vowed to get the best mark in a compulsory physiology exam for master’s and PhD students in the program. He came out on top and went on to medical school at McGill.

“I learned that it’s what you do when you don’t succeed that determines whether you will one day succeed,” Williams writes later in the book, adding he won the Wood Gold Medal at graduation as the top clinical student, and the psychiatry prize.

Williams headed the emergency department at Toronto’s Sunnybrook Hospital when he was selected in 1992 as one of Canada’s four new astronauts out of an original pool of more than 5,300 applicants. He describes the rigorous training with the Canadian Space Agency and NASA, including flying in a KC-135, aka ‘Vomit Comet’, which creates brief moments of weightlessness through rollercoaster-type maneuvers.

He also shares his experience of being diagnosed with prostate cancer and returning to space in 2007 as a cancer survivor. It was during that mission that Williams performed three spacewalks.



NASA

“It was pretty incredible being able to do it,” he says. “With spacewalking, it’s kind of like skydiving in a way. It’s hard to train for. And even though we train underwater and you go through all the tasks, you never really know how you’re going to do when the hatch opens and you have to go do it for real.”

It’s not a natural act, he acknowledges, going outside into the vacuum of space and looking at the earth so far beneath you. “There is no question that it’s scary.”

By the third spacewalk, you are much more relaxed, Williams says.

“You have to imagine this: you’re out in the vacuum of space, you’re working away, you’ve got this spectacular view of the planet and Houston calls you and says, ‘Take a minute and enjoy the view. You are coming up to the Gulf of Mexico and Hurricane Dean is [there].’”

He and fellow spacewalker Clay Anderson locked their tethers and floated freely in space looking down through the eye of the storm. Then they saw the moon rising up over the earth’s horizon. “Just unbelievable, the spectacular beauty of it,” he says.

Williams can still imagine what it’s like being in space.

“My brain, in a sense, is permanently different based on that life experience ... I could be sitting in a room and have no problem at all thinking about what it would be like sitting on the ceiling looking down at the people in the room,” he says.

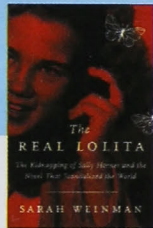
Even though it was about nine years between his first and second flights, when he got to space the second time “it was like I was there yesterday. It’s a fun feeling because it’s the ultimate freedom—you push yourself off with a finger and you float alone like a superhero.” 🐦

Brenda Branswell

**Former astronaut
Dave Williams during a
spacewalk in 2007**

THE REAL LOLITA

by Sarah Weinman,
BSc'00



Martin Amis described *Lolita*, one of the most critically acclaimed novels of the 20th century, as “both irresistible and unforgivable.” Vladimir Nabokov’s masterpiece focuses on a particularly vile crime perpetuated by a particularly loathsome protagonist.

Nabokov was sensitive to any suggestion that he based his book on real-life events, even though he included a brief reference in the novel to an actual crime that seemed to offer many parallels—the kidnapping and repeated sexual assault of an 11-year-old named Sally Horner.

Sarah Weinman digs deep into the Sally Horner case in her book *The Real Lolita*, offering plenty of evidence that Nabokov was more influenced by Horner’s experiences than he let on.

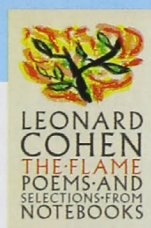
He had been struggling with *Lolita* for years, coming close to abandoning the project more than once. Weinman suggests that the Horner case may have provided the “necessary scaffolding for all the ideas rattling around in his head,” enabling him to complete the book.

Perhaps more importantly, Weinman offers a gripping and sensitive exploration of Sally’s story, one that is hauntingly sad and filled with surprising plot twists and colourful characters of its own.

Daniel McCabe, BA’89

THE FLAME

by Leonard Cohen,
BA’55, DLitt’92



We’ve had a few opportunities to say goodbye to Leonard Cohen since he died in 2016. The all-star tribute concert at the Bell Centre in 2017. The record-breaking exhibition at the Montreal Museum of Contemporary Art that ended last spring.

The Flame, a collection of his poems, the lyrics from his recent albums, and selections from his many, many notebooks (he really was writing all the time), was his way of saying goodbye to us. The book, says his son Adam in the foreword, “was what he was staying alive to do” during his final days. Cohen himself was involved in selecting the poems in the book and consulted with the book’s editors on the other material in it.

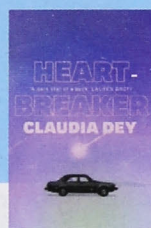
One poem recounts an act of adultery during his marriage (there is so much going on in that one, it could have been a short story). There is a playful swipe at Kanye West. The lamb chops at Moïshe’s figure prominently in another. There is humour and heartache and moments that will make you remember that Cohen wielded the English language like few others.

Don’t be surprised if your eyes are soft with sorrow as Leonard says his goodbye.

DM

HEARTBREAKER

by Claudia Dey, BA’95



Two mysteries dominate Claudia Dey’s riveting *Heartbreaker*. They both involve Billie Jean Fontaine. One revolves around the manner in which she first arrived in a small, strange, northern town, very much the outsider as she stumbled, half-dead, from a beat-up Mercedes. The other focuses on why, years later, she suddenly bolts from that same town, after a prolonged period of unnerving and unusual behaviour.

The story is told through three perspectives: Billie Jean’s spirited teenage daughter Pony Darlene (who is forming her own plan to escape the town), their dog (I was a little leery of dog as narrator, but Dey pulls it off) and a young man whose complicated relationship with Billie Jean keeps getting more complicated.

The town itself, formed by a cult-like community decades earlier, is a curious mix of *Northern Exposure* and *Wild, Wild Country*. It feels familiar in some ways (especially if you’ve spent time in a small town) and deeply foreign in others.

As Dey slowly parcels out key revelations, the actions and attitudes of characters become clear. The book lives up to its title—it will break your heart more than once. Then, unexpectedly, it puts the pieces back together again.

DM

EL COYOTE

by El Coyote



Katie Moore, BA’98, Michelle Tompkins, and Angela Desveaux, BSc(Agr)’02, possess three of the loveliest voices in Montreal. The trio, all familiar figures in the city’s folk and alt-country music scene, are also gifted songwriters, and they began getting together on Friday nights around a kitchen table to share their latest works with one another.

That eventually led to official group status as El Coyote and the release of their first joint album. The band also includes bass player Andrew Horton, BMus’00 (no slouch in the vocal department himself, as evidenced by his tender duet with Desveaux on “Another Day”).

Moore, Tompkins and Desveaux take turns in the spotlight, supplying lead vocals on the songs they each wrote. Moore’s “Tip Jar” is as buoyant a song as you’ll find about the drudgery of a dead-end job, while Desveaux’s “Only Temporary” makes a firm case for prizing the important things in your life—the joys and tribulations are more fleeting than we recognize.

The album’s most magical moments come courtesy of the gorgeous harmonies that result from the collision of three strong, distinct voices. Add in the irresistible twang of a steel guitar, and El Coyote is well worth a listen.

DM

HOMECOMING CELEBRATION WEEKEND 2018

From as far away as Australia, China, South Africa, South Korea and Japan—and across Canada and the U.S.—McGill alumni converged at the University's two campuses for Homecoming weekend to enjoy a dazzling array of 80 events and a multitude of diverse personalities including: the outspoken **ROXANE GAY**, the witty **STEVE PATTERSON**, the irrepressible **CLASS OF '68**, the inspiring **GINA MCCARTHY**, the motivational **BOBBY UMAR**, connected young alumni, ebullient tailgaters, Mac Campus faithful, accomplished Sports Hall of Fame athletes and prestigious scholars... among many others. Let the pictures tell the story...

Photos by Owen Egan,
Joni Dufour, Paul Fournier
and Matt Garies.



David Dorey, BEng'48, greets classmate Elizabeth Montgomery, BA'48, as guest Janet Lefebvre looks on during the sold-out Golden Jubilee Dinner.



Traditional Leacock Luncheon piper leads Principal Suzanne Fortier, BSc'72, PhD'76, emcee Alex Johnston, BA'92, BCL/LLB'99, and guests of honour into the room to start the sold-out 49th Annual Leacock Luncheon.



Gina McCarthy, former administrator of the US Environmental Protection Agency, captivated a sold-out crowd at Macdonald Campus for the McGill School of Environment Annual Public Lecture.



Bestselling author, professor and cultural commentator Roxane Gay wowed a sold-out audience at the Beatty Memorial Lecture.



The McGill Sports Hall of Fame's new inductees include (l to r) Shauna Denis, BCom'07, (hockey); Peter Smith, BEd'79, MA'86, (representing the 2007-08 hockey Martlets); Danielle Day, BSc(PT)'05, (soccer); David Urquhart, MA'00, BCom'08, (hockey); Adam Mar, BSc'95, MSc'95, PhD'10, (soccer); and Doug Vandor, BSc'98, MSc'01, (rowing).



Prestige Scholars Cocktail (left to right): Greville Smith scholarship student Lauren Kirigin; Dean of Students Chris Buddle; former Greville Smith scholarship student Dr. Rosalind Ward Smith, BA'94; emcee Sally McDougall, BSc'68, DipEd'69, and Greville Smith scholarship student Alek Ebelling.



Motivational speaker Bobby Umar, BEng'94, inspired young alumni with his presentation, Failing Forward.



Physical therapy classmates from the Class of '68 (from left): Judith Le Feuvre-Allan, BSc'75; Carolyn Jones, Sue Spencer, Sharol Nelson, BSc'77; and Jane Lavery at the Golden Jubilee Dinner.



All together at the McGill Women's Alumnae Association meet and greet event.



Smiling supporters capture the moment at the Homecoming Football Game & Tailgate.



PAUL FORNIER

▲ LUDMER ON THE BRAIN

In celebration of the Irving Ludmer Family Foundation's \$10-million gift to the Ludmer Centre for Neuroinformatics & Mental Health, five of McGill's leading researchers took to the stage at Montreal's Phi Centre for a public symposium to share how their projects are shaping our understanding of our brains, and what important discoveries their work might yield.

From left: Vice-Principal (Research and Innovation) Martha Crago, BA'68, MSc(A)'70, PhD'88, moderated a discussion involving Ludmer Centre researchers Rosemary Bagot, PhD'11, Kieran O'Donnell, and Sherif Karama, MD-PhD'08, and Ludmer Centre co-directors Celia Greenwood and Alan Evans.

LONDON CALLING ▶

The Max Bell School of Public Policy (MBSPP) celebrated its recent launch with a Road to 200 panel discussion at Canada House in London.

Panelists (from left), University of Cambridge vice-chancellor Stephen Toope, BCL'83, LLB'83, LLD'17, Canadian ambassador to the European Union Daniel Costello, BA'84, and Principal Suzanne Fortier, along with moderator and MBSPP director Christopher Ragan, shared their insights on how to survive and thrive in a world of changing trade patterns and disruptive technological change, among other issues.



◀ CHINA GROOVE

In the presence of many dignitaries representing Canada, Quebec and Montreal, McGill alumnus Peter Fu (centre) hosted the grand opening and ribbon-cutting ceremony of the McGill Club of Shanghai. Fu, DipMin-Housing'91, whose recent generous gift to McGill was recognized with the naming of Peter Guo-hua Fu School of Architecture, donated space in the offices of his company, KFS Architects, designed to be a gathering place for alumni and a venue for events in Shanghai.

NEW MAA PRESIDENT STEPS INTO ROLE ON CUSP OF MCGILL'S BICENTENNIAL



On this autumn day, the view from Inez Jabalpurwala's office in downtown Montreal is nothing short of spectacular.

It looks out onto the McGill campus, in all its fall splendour, with the stately Arts Building centre stage, and the slope of Mount Royal tinged with orange and yellow.

"I studied in the Arts Building and it's still my favourite building on campus," says Jabalpurwala (pictured), BA'89, MA'91, MBA'01, president and CEO of the Brain Canada Foundation, a national charitable organization that supports and advances brain research.

Her bird's-eye view of McGill seems fitting given Jabalpurwala's voluntary position as president of the McGill Alumni Association (MAA), which represents the University's 275,000 graduates.

She takes on the new role as McGill gears up for its bicentennial in 2021.

"The MAA board has reflected on how alumni can support the bicentennial, and we are very committed to its success," says Jabalpurwala.

"The MAA's role is to ensure that alumni remain engaged and connected to McGill, and while this is not only about funds and fundraising, fundraising is a core part of what will propel us to the future.

"At the same time, having alumni involved in mentorship, internships—connecting to the next generations of graduates—that's an important role that alumni can play. And I know there are many alumni who would be delighted to spend time with students and to be able to help with their future readiness."

It's something that Jabalpurwala herself would have liked at the start of her career. She didn't have a network and didn't know

which doors to knock on. "I didn't have anyone to talk to about what careers are possible for someone with an arts degree," she says.

Jabalpurwala worked in public relations and for several non-profit organizations after graduating, and later returned to McGill to do her MBA and master's of management at the same time.

"The MBA equipped me with a toolkit of skills in management and operations and expanded my career options," says Jabalpurwala, who aspired to a leadership position.

She landed her current role at Brain Canada in 2001. It was, she says, exactly what she was looking for: an entrepreneurial start-up organization with a social mission.

Brain Canada promotes a collaborative approach to research. Since its inception in 1998, it has contributed \$250 million to nearly 300 projects across Canada.

"We saw there was funding for individual labs, there was funding for infrastructure," Jabalpurwala explains. "But what was missing was funding that enabled researchers to work together across diseases, across disciplines, across institutions. We sought to harness the potential of a diverse, interconnected ecosystem working towards common goals."

In addition to her family, she credits the "amazing mentors" who helped her, two of the founders of Brain Canada: Allan Taylor, former chairman and CEO of the Royal Bank of Canada, and former federal finance minister Michael Wilson—as well as former McGill principal Heather Munroe-Blum, DSc'17, and de Gaspé Beaubien Foundation co-chair Nan-b de Gaspé Beaubien, BA'58, MSc(A)'60.

"This is why I really understand the value of mentorship, because without mentors I wouldn't have been able to have the kind of career that I've enjoyed in this organization." 🐦



OWEN EGAN

PRESENTING YOUR PRÉSIDENTS

Inez Jabalpurwala isn't the only Montreal-area McGillian taking on a new role for the MAA.

Here are some of the MAA's other new leaders:

Nicole Wilson, BSc'09, CertProf-French'13, manager for responsible investment at PSP Investments and event organizer for TEDxMontreal-Women, is the new president of the McGill Women's Alumnae Association.

Erin Yong Ping, MSc'12, a doctoral student in clinical psychology at Concordia University and a former research coordinator at the Douglas Mental Health University Institute, is the new president of the McGill Young Alumni.

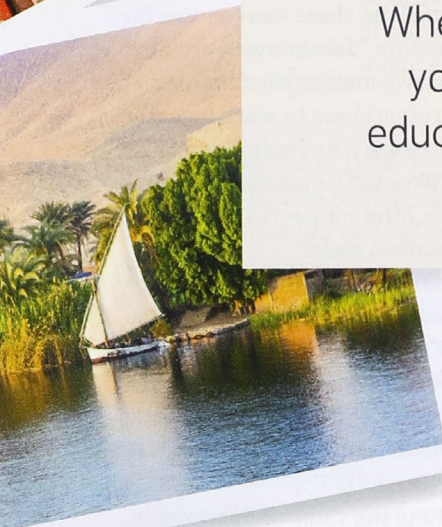
Igor Kozlov, a McGill doctoral student in physics, is the new president of the Scarlet Key Society, an organization that promotes student leadership at McGill.



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AGRICULTURAL & ENVIRONMENTAL SCIENCES

NGAIO RICHARDS, MSc'03, is a wild-life biologist in Montana and a canine handler working with the non-profit Working Dogs for Conservation. She is the editor of the recently published *Using Detection Dogs to Monitor Aquatic Ecosystem Health and Protect Aquatic Resources*. The book explores the role that detection dogs can play in gathering crucial data from often cryptic or elusive sources.

ARCHITECTURE

RONALD FRANKLIN WILLIAMS, BArch'64, was appointed to the Order of Canada as a new member for "his significant contributions to landscape architecture through his designs, teaching and publications." His book *Landscape Architecture in Canada* was the product of 15 years of research and the first critical history of designed landscapes in the country. He is the former director of the School of Landscape Architecture at the Université de Montréal and a semi-retired landscape architect, and architect.

JULIA GERSOVITZ, BSc(Arch)'74, BArch'75, was named an officer of the Order of Canada for "her contributions to heritage preservation in Canada and abroad." A founding partner of the architectural firm EVOQ, she has played a major role in award-winning conservation projects at Parliament Hill, Toronto's Union Station, Rideau Hall, McGill and elsewhere. She is an adjunct professor of architecture at McGill.

MARTINE DION, BSc(Arch)'90, BArch'92, was named by the American Institute of Architects (AIA) to the AIA's College of Fellows, an honor awarded to members who have made significant contributions to the architecture profession. Martine is a principal at SMMA and the director of sustainable design for the firm.



JAYME POISSON, BA'06, and **DAVID BRUSER**, BA'99, received the 2018 JHR (Journalists for Human Rights) Award for Achievement in Human Rights Reporting for their *Toronto Star* investigation into the mercury poisoning of the Wabigoon River in northwestern Ontario and its impact on the Grassy Narrows First Nation. The story also received the 2018 Canadian Hillman Prize for excellence in journalism in service of the common good, and was a runner-up at the National Newspaper Awards. David is a deputy editor and investigative reporter with the *Toronto Star*, while Jayme now hosts the daily podcast *Front Burner* for CBC.

LOUISE PELLETTIER, MArch'90, PhD'00, is the new director of the Centre de design at the Université du Québec à Montréal. She is the author of several books on the history and theory of architecture including *Architecture In Words; Theater, Language and the Sensuous Space of Architecture*. A professor at UQAM since 2006, she taught at McGill from 1997 to 2006.

ARTS

JOHN FRY, BA'51, was inducted into the Canadian Ski Hall of Fame in November. He was editor-in-chief of *SKI* magazine from 1964 to 1980, and the founding editor of *Snow Country Magazine*. He raced on the McGill intercollegiate ski team, and is a member of the Red Birds Ski Club. He invented the FIS (International Ski Federation) Nations Cup, awarded annually to the country compiling the most World Cup points. He also created NASTAR (National Standard Ski Race), a system

to rate the ability of recreational skiers now in use at 150 ski resorts in the U.S. He was elected to the U.S. Ski and Snowboard Hall of Fame in 1995. John is the chairman of the non-profit International Skiing History Association and lives in Katonah, New York.

ANNE COLEMAN, BA'57, recently published *Inland Navigation by the Stars: A Memoir* (BPS Books). The book chronicles her difficult childhood, her feminist activism, her teaching career, and the time she spent in the company of some of Canada's leading literary lights, including Margaret Atwood, Leonard Cohen, and Michael Ondaatje. Her previous book, *I'll Tell You a Secret: A Memory of Seven Summers*, which recounted her friendship as a girl with the writer Hugh MacLennan, won the Edna Staebler Award for Creative Non-fiction and was shortlisted for the Governor General's Literary Award for Non-fiction.



KAPWANI KIWANGA, BA'02, was the winner of the 2018 Sobey Art Award. According to the prize jury, her work “addresses hidden authoritarian structures, institutional devices, and power imbalances to help us see the world differently.” An installation and performance artist, her work reflects her training in anthropology, comparative religion and documentary film. The Sobey Award is worth \$100,000 and recognizes exceptional artists under the age of 40.

NAN-B DE GASPÉ BEAUBIEN, BA'58, MSc(A)'60, was appointed to the Order of Canada as new member in recognition of “her contributions to telecommunications and for her efforts to support family businesses across Canada and abroad.” A member of the Canadian Broadcasters Hall of Fame, she played a pivotal role for years at Telemedia, once one of Canada’s leading broadcasters and publishing companies. She is the co-chair of the de Gaspé Beaubien Foundation.

TERRY COPP, MA'62, recently published *Montreal at War 1914-1918*, an exploration of the city’s history during the First World War. The digital book is freely available online at montrealatwar.com. An outdoor exhibition based on the project was on display at the

Château Ramezay in Old Montreal from July 20 to November 18. Terry is a professor emeritus of history at Wilfrid Laurier University and the founder of the Laurier Centre for Military Strategic and Disarmament Studies. He collaborated on this project with Alexander Maavara.

PIERRE COUPEY, BA'64, was inducted into the Royal Canadian Academy of Arts as a new member in May in recognition of his contributions to Canadian art. His paintings are in numerous corporate, university and public collections across Canada, including the Canada Council Art Bank, the Simon Fraser University Art Gallery, the University of Guelph Collection, and the Vancouver Art Gallery. He is one of the founding co-editors of *The Georgia Straight* and the founding editor of *The Capilano Review*. Pierre’s first book of poems, *Bring Forth the Cowards*, was published by Louis Dudek in 1964 as part of the McGill Poetry Series.

PAMELA MILLER, BA'66, retired History of Medicine Librarian at McGill’s Osler Library of the History of Medicine, was awarded the Lifetime Achievement Award at the annual meeting of the American Osler Society.

RON BURNETT, BA'68, MA'71, PhD'81, stepped down as the president and vice-chancellor of Emily Carr University of Art + Design on July 31 after 22 years in the position. Under his leadership, Emily Carr obtained university status in 2008, experienced significant growth in the size of its student population, and developed its new campus on Great Northern Way. “[Ron] has left an indelible impact, not only on the university but on the global landscape of arts and culture,” said Kim Peacock, the chair of Emily Carr’s board of governors.

COLIN M. MACLEOD, BA'71, received the 2018 CPA Gold Medal for Distinguished Lifetime Contributions to Canadian Psychology from the Canadian Psychological Association. He was elected a Fellow of the Royal Society of Canada in 2016, and received the Richard C. Tees Distinguished Leadership Award from the Canadian Society for Brain, Behaviour and Cognitive Science in 2017. He is a professor of psychology and the chair of the Department of Psychology at the University of Waterloo.

MICHAEL CARIN, BA'72, is the author of *Churchill at Munich*, published in September. A novel of “alternate history,” the book imagines what might have happened had Winston Churchill represented Great Britain at the 1938 Munich Conference instead of Neville Chamberlain. As told through the prism of this fiction, the subsequent history of the world proceeds rather differently. Michael is a journalist and former magazine editor in Montreal.

PETER DAVID EICHER, BA'72, recently published his first book, *Raising the Flag: America’s First Envoys in Faraway Lands* (University of Nebraska Press). The book explores the experiences of the first American envoys in foreign lands. Their stories, often stranger than fiction, are replete with intrigues, revolutions, riots, war, shipwrecks, swashbucklers, desperadoes, and bootleggers. Peter is a retired U.S. foreign service officer who served in Europe, the Middle East, Africa, and the Pacific. He specialized in political affairs—particularly human rights, conflict resolution and international organization.

MURIEL GOLD, MA'72, recently published *Speak Up! The Story of Madame Jean-Louis Audet, Pioneer of Stage, Radio and the French Language*, along with its French translation, *Plus Fort! L’histoire de Madame Audet, Pionnière du théâtre, et de la radio québécoises, amoureuse de la langue française*. The books explore the life

of the legendary Madame Audet, who trained generations of Quebecers to value their linguistic heritage, many of whom became the Québécois stars of theatre, TV and film.

CHRISTIANNE LAIZNER, BA'77, was appointed to a five-year term as the new vice-chairperson of telecommunications for the Canadian Radio-television and Telecommunications Commission. She joined the CRTC in 2010 as general counsel, telecommunications, and subsequently held the position of senior general counsel and executive director of the CRTC legal sector. She became interim vice-chairperson of telecommunications in 2017.

SUSAN STROMBERG, MA'77, is a sculptor whose works are on display at both Rideau Hall and at the Canadian Senate. Her work is also part of McGill's visual arts collection. One of her newest pieces is "Coneflower" (painted steel with a stainless steel base). To find out more, visit susanstromberg.com.

RUSSELL COPEMAN, BA'83, is the new executive director of the Quebec English School Boards Association (QESBA). He is a former Côte-des-Neiges/Notre-Dame-de-Grâce borough mayor in Montreal and a former Member of the National Assembly for Notre-Dame-de-Grâce. The QESBA is the voice of English public education in Quebec and represents 100,000 students in 340 elementary, high schools, and adult and vocational centres across Quebec.

DAVID J. SHAPIRO, BA'83, received a Lifetime Achievement Award at the 11th annual Global Counsel Awards at a gala dinner in New York in 2017. The awards, presented by Lexology, the International Law Office, and the Association of Corporate Counsel, celebrate the achievements of in-house counsel from leading international organizations in a wide variety of industries. David is the senior vice president, regulatory & international affairs and CLO of Air Canada.

CHRIS MELLEN, BA'85, has written the third edition of *Valuation for M&A*, a 480-page textbook published by Wiley. The book focuses on building and measuring private company value, with chapters on specialty topics such as exit planning, fairness opinions, intangible asset valuations, and valuing start-up companies. The book concludes with two comprehensive valuation case studies. Chris is a managing director with Valuation Research Corporation, leading its Boston office.

GEOFF HALL, BA'87, was named to *Canadian Lawyer's* Top 25 Most Influential list for 2018. A partner at McCarthy Tétrault LLP, he is the author of *Canadian Contractual Interpretation Law*. He was the successful lead counsel on trial for Ontario Limited v. The Toronto-Dominion Bank, which

had a significant impact on the banking industry for the scope of a bank's duties to third parties. Geoff is an adjunct professor at the University of Toronto's Faculty of Law, where he teaches contracts and contractual interpretation.

JANICE DENONCOURT, BA'88, is the author of *Intellectual Property, Finance and Corporate Governance* published by Routledge. The book explores how directors and boards need to respond to the challenges posed by the global intellectual property ecosystem and advocates for a responsible corporate culture of IP transparency. Janice is a senior lecturer with Nottingham Law School in the United Kingdom. She leads the school's Intellectual Property Research Group and is the editor of the *Nottingham Law Journal*.

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GAGE SKIDMORE

EVAN GOLDBERG, BA'05, was among the 2018 inductees selected for Canada's Walk of Fame (CWF). Collaborating with longtime partner Seth Rogen, he has co-written the screenplays for several films, including *Superbad*, *Pineapple Express* and *This is the End*. He has also co-produced such films as *Knocked Up* and *The Disaster Artist* and co-developed the TV series *Preacher*. The CWF recognizes Canadians who have excelled on national and international stages in their respective fields.

ANNE KATHLEEN HOWARD, BA'88, is the author of the true crime book *His Garden: Conversations with a Serial Killer*. Using written correspondence, face-to-face prison visits and recorded phone calls, the book probes the complicated and conflicted mind of William Devin Howell, Connecticut's most prolific serial killer. Anne appeared on the television show *Crime Watch Daily* and was interviewed about her work on the book for two Netflix productions, *Inside the Mind of a Serial Killer* and *21st Century Serial Killers*. She practices disability law in Connecticut.

DANA KOBERNICK, BA'88, is the communications manager for Lower Canada College in Montreal. She recently published her first novel, *The Prague Crystal*, available on Amazon and Kobo and in select bookstores. For more information, visit thepraguecrystal.com.

YUSRA SIDDIQUEE, BA'91, has joined Littler as a partner in the firm's Toronto office. She works with Canadian and international companies on corporate immigration strategies, including developing immigration compliance policies and facilitating the temporary and permanent entry of employees to global destinations. She previously worked at Norton Rose Fulbright Canada LLP where she led the business immigration and international mobility team in Toronto.

JAMES STEWART, BA'92, BEd'94, recently released his first book *Being Prime Minister* (Dundurn Press). The book offers a behind-the-scenes look at the lives of Canada's prime ministers, from Sir John A. Macdonald to Justin Trudeau. James interviewed six of Canada's seven living former prime ministers for the book and has made appearances on TVO's *The Agenda with Steve Paikin* and CTV's *The Social* to talk about it. He is a history teacher in Toronto.

JULIAN HABER, BA'96, is the author of *Gigonomics: A Field Guide for Freelancers in the Gig Economy*. The book, which offers practical advice for launching a freelance career, argues that learning how to get gigs is the new survival skill of our times. Julian has been working in the gig economy as a Montreal-based freelance photographer/writer for the past 15 years, serving clients throughout Canada and around the world. To find out more, visit gigonomicsbook.com.

NADINE BISMUTH (B. A. 1997, M. A. 1999) publiera un nouveau roman intitulé *Un lien familial*, aux Éditions du Boréal. Elle a publié deux recueils de nouvelles, *Les gens fidèles ne font pas les nouvelles* (1999) et *Êtes-vous mariée à un psychopathe?* (2009), et un roman *Scrapbook* (2004). Elle écrit également dans diverses revues ainsi que pour le cinéma et la télévision.

NICK HOUSEMAN, BA'97, recently published his first novel *Old Country Wounds*, a tale of dark family secrets that explores the feeling of being torn between a new country and the country of your past. Nick is a co-owner and board member of the private jet company Elit'Avia. *Old Country Wounds* is available on Amazon.

JEFF OLIVER, BA'97, recently published *The Two-Plate Solution* (Bancroft Press), a satiric novel that asks what happens when a reality TV cooking competition is infiltrated by real terrorists? *Publishers Weekly* describes the book as a "hilarious send-up." Jeff is the vice president of current production at Bravo Media. As a former Food Network executive, he oversaw such shows as *Cupcake Wars*, *Worst Cooks in America* and *Food Network Star*.

DOUG BURGESS, BA'99, recently published his debut novel *Fogland Point* (Poisoned Pen Press). The book follows its transgender narrator David Hazard as he deals with unsettling mysteries in a small New England village, including the murder of his ailing grandmother's caretaker and the disappearance of a local celebrity. *Publishers Weekly* described the book as a "standout," praising it for its "elegant prose, a veritable Chinese box of puzzles, and authentic, well-rounded characters." Doug is a professor of history at Yeshiva University in New York.

SUSAN ELMSLIE, PhD'00, recently published *Museum of Kindness* (Brick Books), a collection of poetry. The book

was shortlisted for the Pat Lowther Memorial Award. Her previous poetry collection *I, Nadja, and Other Poems* won the A.M. Klein Poetry Prize and was shortlisted for the McAuslan First Book Prize, the Pat Lowther Memorial Award, and a ReLit Award. She teaches English literature and creative writing at Dawson College in Montreal.

MERRY ROBERTS-HUNTLEY, BA'00, is the president and founder of FIXX Consulting, a sports-focused marketing strategy and business development consulting firm with clients ranging from start-ups to global brands like Nike. She launched a second company in 2017. Made To Hire helps young professionals market themselves to reach their personal career goals. For more information, visit madetohire.com.

EVE HEPBURN, MA'01, is the co-editor of *The National Question and Electoral Politics in Quebec and Scotland* (McGill-Queen's University Press). The book examines how questions of constitutional change, national identity, and national grievance have played an important role in the electoral calculations of political parties and voters in Quebec and Scotland. Eve is an honorary fellow at the Europa Institute at the University of Edinburgh and the managing director of PolicyScribe Ltd.

JEREMY KUZMAROV, BA'01, MA'02, is the co-author of *The Russians Are Coming, Again: The First Cold War as Tragedy, the Second as Farce* (Monthly Review Press). The book argues that the demonizing of Russia and Russian president Vladimir Putin in order to challenge U.S. president Donald Trump is dangerous, misguided and a major distraction. Jeremy is a lecturer at Tulsa Community College.

USMAN SHEIKH, BA'01, was named to *Canadian Lawyer's* Top 25 Most Influential list for 2018. A partner at Gowling WLG, he is the national head of the firm's Blockchain & Smart Contract

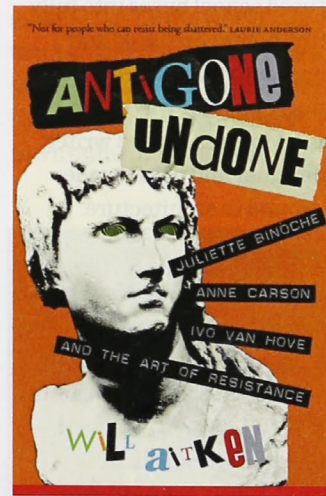
Group, an internationally recognized team of more than 80 practitioners, which advises clients on matters ranging from smart contracts and initial coin offerings to regulatory compliance and consumer protection. His clients include five of the top 50 crypto-currencies in the world as well as many of the leading pioneers in the blockchain community.

SARA KNELMAN, BA'02, is the new director of the Corkin Gallery in Toronto. She has more than 10 years of international experience in arts management, curatorial practice and post-graduate teaching in the fields of art history, museology and the history of photography. She writes about contemporary art and photography for a variety of publications, including *Aperture*, *Frieze* and *Canadian Art*.

CAMERON STRANG, BA'04, recently published his first book. *Frontiers of Science: Imperialism and Natural Knowledge in the Gulf South Borderlands, 1500-1850* (Omohundro Institute and University of North Carolina Press) puts the production of knowledge about the natural world in the context of competing empires and an expanding republic in the Gulf South. The book examines how this pursuit of knowledge was influenced by multiple loyalties and identities, and organized through contested hierarchies of ethnicity and place. Cameron is an assistant professor of history at the University of Nevada, Reno.

ADAM ETINSON, BA'05, is a lecturer in the School of Philosophical, Anthropological, and Film Studies at the University of St. Andrews in Scotland. Much of his research focuses on the philosophy of human rights. He is the editor of a new book, *Human Rights: Moral or Political* (Oxford University Press), which brings together a distinguished, interdisciplinary group of scholars to address philosophical questions raised by the many facets of human rights.

ALLAN BAILEY, BA'06, became the new general manager of the Vancouver Canadians baseball team in September. The Canadians are a minor league affiliate of the Toronto Blue Jays. Allan had served as assistant GM of the Canadians since 2011, after first joining the team as a sales intern in 2007. He helped the team win the John H. Johnson President's Award in 2012, Minor League Baseball's top award, presented annually on the basis of franchise stability, contributions to league stability, contributions to baseball in the community, and promotion of the baseball industry.



WILL AITKEN, MA'75, was a finalist for the 2018 Hilary Weston Writers' Trust Prize for Nonfiction for his book *Antigone Undone: Juliette Binoche, Anne Carson, Ivo Van Hove, and the Art of Resistance*. The book focuses on a production of Sophocles' *Antigone*, translated by Carson, directed by Van Hove and starring Binoche. The jury for the prize described the book as "a testament to the rough, mysterious power of art."



CHRISTIAN LANDER, BA'01, was part of a team of producers nominated for a 2018 Emmy Award for Outstanding Comedy Series for their work on the ABC television show *Blackish*. He was also a consulting producer for the HBO comedy *Vice Principals* and one of the co-creators of the TV series *Loosely Exactly Nicole*. His 2008 book *Stuff White People Like*, based on his popular satirical blog of the same name, was a *New York Times* bestseller.

KIMBERLEY MOK, DipEnvironment'08, recently published *The Modern House Bus* (The Countryman Press), a book that looks at how some people are remodeling used school buses into fully functional tiny homes on the go and offers a glimpse into this adventurous and increasingly popular way of life. Kimberley is a Montreal-based writer, illustrator, designer and yoga teacher with a background in architecture.

SMRITI UPADHYAY, BA'08, was awarded a 2018 Charlotte W. Newcombe Doctoral Dissertation Fellowship by the Woodrow Wilson National Fellowship Foundation. Fellows receive a 12-month award of \$25,000 to support the final year of dissertation work. Smriti is a doctoral candidate at John Hopkins University and her dissertation is entitled *Sacrifice, Selflessness, and Struggle: Religious Mobilization and the contemporary Indian Labor Movement*. The fellowships are designed to encourage original and significant study of ethical or religious values in all fields of the humanities and social sciences.

ALEX ROSENBLAT, BA'10, is the author of *Uberland: How Algorithms are Rewriting the Rules of Work* (University of California Press). The book examines how Silicon Valley technology is transforming the way we work and how Uber has built a new template for employment using algorithms and Internet platforms. Alex is a researcher at the Data & Society Research Institute and her writing has appeared in *The New York Times*, *Harvard Business Review*, *The Atlantic*, *Slate*, and *Fast Company*.

NELDA DAMIANO, PhD'11, became the new Pierre Daura Curator of European Art at the University of Georgia's Georgia Museum of Art in August. An expert on Italian Renaissance art, she was the associate curator of the Cummer Museum of Art & Gardens in Florida, and before that, senior exhibitions manager at the National Gallery of Canada. In her new role, she oversees the Pierre Daura Center's collection of paintings, prints, drawings and sculptures by the Catalan-American artist Pierre Daura.

DANE STEWART, BA'13, is a Montreal-based playwright, multidisciplinary artist and arts educator. His play *The History of Sexuality* ran for four nights at Place des Arts in August as part of Fierté Montreal Pride. The show delves into Montreal's queer community, examining issues surrounding sex work, race, disability and sexual assault. Dane recently received a \$20,000 grant from the Conseil des arts et lettres du Québec.

JACQUELINE BÉDARD, BA'15, recently published her first book *And Hell Followed With Him* with the Pulse imprint Enigma. A literary thriller inspired by the landscape on a road trip from Ontario to Saskatchewan, Jacqueline describes the novel as "an unsettling campfire tale." The book is available on Amazon.

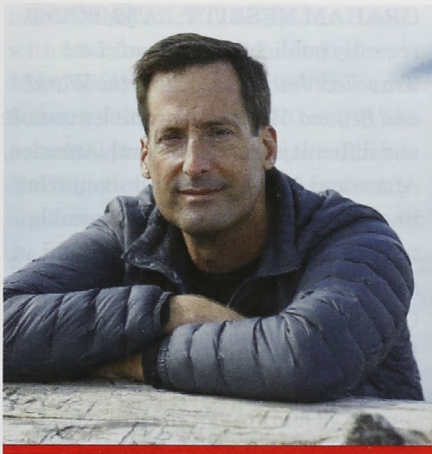
CONTINUING STUDIES

LILI-ANNA PEREŠA, DipManagement'97, has been the president and executive director of Centraide of Greater Montreal since 2013. She was named to the Order of Quebec as a knight (chevalier) in 2018. From 2009 to 2012, she served as executive director of ONE DROP, an international non-profit organization focused on water initiatives. Prior to that, she directed several community and humanitarian organizations, including Les Petits Frères, YWCA Montreal and Amnesty International France.

EDUCATION

CALIN ROVINESCU, DEC'74, the president and CEO of Air Canada, was appointed to the Order of Canada as a new member in recognition of his efforts in "promoting the associated charitable causes and organizations of Canada's largest airline, and for his leadership in spearheading humanitarian relief following several natural disasters."

MONICA KERWIN, BEd'78, CertEd-Tech'88, **SHEILA KERWIN**, BEd'79, and **MAUREEN NESTOR**, BEd'77, CertSecLang'81, all medalled at the 11th International Dragonboat Federation Club Crew World Championship in Szeged, Hungary in July. As members of the Senior C 60+ Bytown women's team, they won gold in the 500m, silver in the 200m, and bronze in the 2K races. Monica was also a member of the Senior C 60+ mixed crew, and won three more medals with that team, a gold and two bronze, bringing her medal total to six.



PHILIP WATTS, BEng'91, MEng'95, one of the co-founders of WhalePower, was a finalist for the 2018 European Inventor Award in the category of Non-EPO (European Patent Office) Countries. He and his partners were recognized for developing an energy-efficient and quiet rotating blade design for wind turbines and fans. The design, inspired by the flippers of humpback whales, involves turbine blades with three-dimensional bumps on their leading edges that alter the flow of air for greatly improved aerodynamic performance. The European Inventor Awards were launched by the EPO in 2006 to highlight the crucial role that inventors play in the innovation process.

DANIEL JACOB, BEd'05, is an assistant coach with the Laval Rocket, the American Hockey League affiliate of the Montreal Canadiens. Daniel was an assistant coach with the QMJHL's Blainville-Boisbriand Armada for four seasons, where he worked with Joël Bouchard, the Armada's former head coach who now holds the same position with Laval. The pair helped lead the Armada to back-to-back President Cup final appearances during the past two seasons. Daniel is a former assistant coach with the McGill Redmen and played for the team as an all-star defenseman.

JEAN LASSEN, BEd'05, a former Olympic weightlifter, was inducted into the Yukon Sport Hall of Fame on May 4. In 2006, she became the first Canadian woman in 17 years to medal at the world championships after capturing a silver in the clean-and-jerk, in addition to a bronze in the overall 69-kilogram weight class. A gold medalist at the 2006 Commonwealth Games and at the 2008 Pan American championships, she also won bronze at the 2006 world championships, was a 15-time medalist at various world university championships and finished fifth at the 2008 Summer Olympics in Beijing.

ENGINEERING

WILLIAM G. BLEVINS, BEng'69, recently marked his 50th year at Canadian National Railway in Montreal. He has been the chief mechanical and electrical engineer in CN's mechanical department (locomotives and freight cars) for the last 25 years. In June, he was elected as a Fellow of the American Society of Mechanical Engineers. Since 1995, he has been awarded five CN President's Awards for achievements and innovations at CN.

MOHAN MUNASINGHE, PhD'73, took part in the global Climate Change Leadership Summit in Porto, Portugal in July. He took part in a panel discussion on climate change and sustainability issues along with former U.S. president Barack Obama and others before an audience of 3,500 business leaders. Mohan was the vice-chair of the Intergovernmental Panel on Climate Change, which shared the 2007 Nobel Peace Prize with Al Gore.

PAUL HESSION, MUP'73, was re-elected at the 2018 annual general meeting of shareholders as the 74th president and chair of the board of directors for the Rideau Club in Ottawa. The club was established in 1865 by an Act of the

Legislature of the United Provinces of Canada, and John A. Macdonald served as its first president. It is a place of fellowship for a diverse community committed to the betterment of their city and country, who are guided by the principles of the club's motto, "Savoir Faire, Savoir Vivre."

PETER IRWIN, PhD'74, was appointed to the Order of Canada in recognition of "his leadership in the Canadian wind engineering field and his groundbreaking technique of wind sensor prediction." As the president and CEO of RWDI for nine years, he led the firm's international expansion and played a key role in making RWDI the world's largest private wind engineering firm. He is a professor of practice at Florida International University's Department of Civil and Environmental Engineering.

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RENÉE THÉRIAULT, BCL'93, LLB'93, became the new executive legal officer for the Supreme Court of Canada in August. The executive legal officer acts as principal advisor to the chief justice, assisting him with the administration of the court, the Canadian Judicial Council and the National Judicial Institute. She is also responsible for media relations at the court. She had been serving as counsel with the Supreme Court's law branch since 2012.

GEORGE DEMOPOULOS, MSc'78, PhD'82, chair of McGill's Department of Mining and Materials Engineering, was among 56 new Fellows inducted into the Canadian Academy of Engineering (CAE) in June. George has produced more than 250 research papers and his work in hydrometallurgy and advanced energy material processing is internationally recognized. Dean of Engineering **JIM NICELL** was also named a Fellow of the CAE this year. CAE Fellows are recognized for their "demonstrated desire and ability to go beyond the normal practice of engineering and contribute in exemplary ways towards their fields and to their communities."

PATRICK PAULTRE, PhD'87, was named to the Order of Quebec as a knight (chevalier). A leading expert on earthquakes and structural dynamics, he founded what is now known as the Centre d'études interuniversitaire des structures sous charges extrêmes.

Following the devastating 2010 earthquake in Haiti, he founded the Haitian Association of Earthquake Engineering and has been involved in efforts to foster the development of earthquake engineering expertise in that country. He is the Canada Research Chair in Earthquake Engineering at the Université de Sherbrooke.

WARREN ROBERT DUNN, BEng'95, is the author of *Lost to Time*, a science fiction novel and the second volume in his Raiders Threat Trilogy. It is currently available for sale on Kobo and Amazon.

BHAVIN J. SHASTRI, BEng'05, MEng'07, PhD'12, recently joined Queen's University as an assistant professor of engineering physics in the Department of Physics, Engineering Physics and Astronomy. Prior to relocating to Canada, Bhavin was an NSERC postdoctoral fellow (2012-2014), a Banting fellow (2014-2016), and then an associate research scholar (2016-2018) at Princeton University. While at Princeton, he co-authored a textbook *Neuromorphic Photonics* based on his research on artificial intelligence processors that use light for ultrafast computing.

ABDAAL MAZHAR SHAFI, BEng'14, and **DIANA BARANGA, BA'14**, are the co-founders of UpstartED, an education-focused enterprise that works with trained facilitators to develop learning experiences for students with a focus on design thinking, entrepreneurship and digital literacy. **FLORA BERTIN, BA'16**, is UpstartED's director of marketing and communications. For more information, visit upstarted.org.

LAW

NAHUM GELBER, BA'54, BCL'57, was appointed to the Order of Canada as a member for "his extensive philanthropic contributions toward the advancement of Canadian education and artistic culture, and for his promotion of intercultural understanding." His philanthropic support played a crucial role in the construction of McGill's Nahum Gelber Law Library.

GRAHAM NESBITT, BA'58, BCL'63, recently published *The Roads Less Travelled: Journeys Around the World and Beyond*. His book chronicles remote and difficult journeys to South America, Africa and Asia, all the while conjuring images of a world largely inaccessible to Western visitors at the time – and, in some cases, a world that no longer exists. Graham practiced law for many years at McCarthy Tétrault, from which he took a number of sabbaticals to travel and pursue adventures around the world. The book is available on Amazon.

SHARON SHOLZBERG-GRAY, BSc'63, BCL'66, was appointed to the Order of Canada as a member for "her leadership in health care, notably for her advocacy for access to publicly funded and accessible health care services for all Canadians." She was the president and CEO of the Canadian Healthcare Association from 1998 to 2008 and was an influential advisor on the work of the Royal Commission on the Future of Health Care in Canada.

NORMAN STEINBERG, BSc'71, BCL'75, was recently appointed to the board of directors of Dorel Industries Inc. He is chair emeritus and former global chair of Norton Rose Fulbright, one of the world's largest law firms. He is also the co vice-chair of the McGill University Hospital Centre Foundation, the vice-chair of the Montreal Symphony Orchestra, the co-chair of the Australia Canada Economic Leadership Forum, senior advisor to Persistence Capital Partners (Canada's only private equity firm focused exclusively on healthcare) and a member of the board of directors for BFL Canada (an insurance brokerage).

STEPHEN W. HAMILTON, BCL'84, LLB'84, who had been a judge of the Superior Court of Quebec, was appointed a judge of the Court of Appeal of Quebec in Montreal by Justice Minister Jody Wilson-Raybould. Prior to his appoint-

ment to the judiciary, he practised law with Martineau Walker (now Fasken Martineau) from 1987 to 1990 and with Stikeman Elliott from 1990 to 2013. His principal practice areas were commercial litigation, class actions, insolvency and competition law.

BRAM FREEDMAN, BA'87, BCL'91, LLB'91, is now the president and CEO of the Jewish General Hospital (JGH) Foundation in Montreal. For the last five years, he had been the vice-president of advancement and external relations at Concordia University and helped bring fundraising to record levels at the institution. Bram's move to the JGH Foundation marks a family tradition. His grandfather, **A.O. FREEDMAN**, MDCM'12, a McGill lecturer in anatomy, was the founding chief of oto-laryngology at the JGH.

Bram's father, **SAMUEL FREEDMAN**, BSc'48, MDCM'53, DSc'92, is a former dean of medicine and former vice-principal (academic) at McGill, who finished his career as director of the Lady Davis Research Institute at the JGH.

ARUN BAJAJ, BCL'93, LLB'93, is the new senior vice-president of human resources and talent management for Renault-Nissan-Mitsubishi. He is responsible for ensuring that the automobile alliance identifies, attracts, develops and retains top leadership talent. He is based in Yokohama, Japan.

TASHA LACKMAN, BSW'99, BCL/LLB'03, is the new vice-president of operations for the Foundation of Greater Montreal (FGM). Tasha had been the associate director of strategic initiatives for University Advancement at McGill.

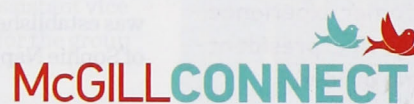
Previously, she worked for more than 12 years for the law firm Fasken, where she rose to the rank of partner. The FGM encourages philanthropy as a major driver for well-being in Greater Montreal and helps individuals, families and organizations to support their community by creating funds for selected causes in all sectors.

GUILLAUME LAVOIE, BCL/LLB'06, EMBA'16, was named to *Canadian Lawyer's* Top 25 Most Influential list for 2018. A partner with Lavery, de Billy, he leads the firm's private equity and venture capital team, heads the firm's mergers and acquisitions team, and is a member of its board of directors. He was among the finalists in the Quebec Young Professional category of the 2017 Arista contest of the Jeune Chambre de commerce de Montréal.

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CATHERINE DAGENAIS, EMBA'18, recently became the new president and CEO of the Société des alcools du Québec (SAQ), becoming the first woman to lead the crown corporation since its creation in 1921. A member of the SAQ team since 2000, she has held several senior positions, including vice-president, sales network; vice-president, retail strategy and customer experience; and, most recently, vice-president and chief operating officer.

CHARLES STOTLER, LLM'16, and **MICHELLE HANLON, LLM'17**, are the new associate directors of the Master of Laws Program in Air and Space Law at the University of Mississippi School of Law. Charles has advised international airports, international intergovernmental organizations and trade associations, and advocated for the growth of the space law discipline through the American Society of International Law. Michelle is the co-founder and president of For All Moonkind Inc., the world's only organization focused on preserving human cultural heritage in outer space. For All Moonkind has been granted observer status at the United Nations Committee on the Peaceful Uses of Outer Space.

DANIEL JUDD, LLM'17, is the inaugural winner of the £10,000 Michael Mustill Essay Prize. He won the award for his essay "Arbitral Independence as Trusteeship." The prize is overseen by the International Dispute Resolution Centre, in association with St. John's College, Cambridge.

DINA PROKIC, BCL/LLB'17, earned first prize in the 2018 Nappert Prize in International Arbitration. The essay contest invites participants to submit unpublished papers on commercial arbitration or investment arbitration. Judges reviewed 80 entries for the prize from around the world. Dina, an attorney in New York, won the top prize with her paper "SIAC Proposal on Cross-Institution Consolidation Protocol: Can It Be Transplanted into Investment Arbitration?" The Nappert Prize is overseen by the Fortier Chair in International Arbitration and International Commercial Law at McGill's Faculty of Law and was established through the generosity of Sophie Nappert, BCL'86, LLB'86.

MANAGEMENT

SHEILA FRASER, BCom'72, was named an officer of the Order of Canada for "her dedication to enhancing the accountability of our governmental institutions and for promoting Indigenous rights across Canada." She was Canada's auditor general from 2001 to 2011.

ARSHAD AHMAD, MBA'81, PhD'01, became the new vice chancellor of the Lahore University of Management Sciences in August. He had been the vice-provost, teaching and learning, at McMaster University for five years. He also led McMaster's Paul MacPherson Institute for Leadership, Innovation and Learning. Arshad is a former president of the Society for Teaching and Learning in Higher Education and a recipient of a 3M Teaching Fellowship, Canada's top national prize for teaching at the university level.

MIRKO BIBIC, BCom'89, is the new chief operating officer for BCE Inc. and Bell Canada. He has been a part of BCE's operations since 2008, first serving as senior vice president of regulatory and government affairs. In 2012, he became the company's chief legal and regulatory officer.

NADEGE CONGER, MBA'90, is the founder of SabbaticalHomes.com, a short-term online rental platform used by academics in 57 countries. With more than 120,000 listings posted since 2000, SabbaticalHomes.com has helped professors, postdocs, graduate students and others find or offer temporary accommodations for sabbaticals, vacations and other trips.

LARS B. ELLER, MBA'92, is the new president and chief executive officer of Farmers & Merchants State Bank. He had been at Royal Bank America since 2013 as executive vice president and chief retail banking officer.

JEAN-FRANÇOIS BUSSIÈRES, MBA'93, was named a member of the Ordre de l'excellence en éducation du Québec in June. The order recognizes individuals who have made remarkable contributions to the educational success of students. Jean-François is a clinical professor in the Faculté de pharmacie at the Université de Montréal and the head of the Department of Pharmacy at CHU Sainte-Justine.

DANNY DI PERNA, MBA'97, became the new chief operating officer for aerospace at Bombardier in September. In his new position, he is responsible for leading the company's aerospace engineering, procurement and transformation functions. Bombardier's Aerostructures and Engineering Services segment will also report to Danny. He has more than 30 years of aerospace and industrial experience. He most recently served as vice president of global sourcing for GE Power.

CHRISTINA MATULA, MBA'00, is the author of a new picture book illustrated by Pearl Law. *The Shadow in the Moon* examines the colourful story behind the Mid-Autumn Festival, a popular Chinese holiday. Christina is a member of the board for Bring Me a Book Hong Kong, a non-profit organization that encourages families to read together and provides books to under-served communities.

CINDY BLACKSTOCK, MMgmt'03, a professor of social work at McGill, was named an officer of the Order of Canada for "her leadership as a champion of Indigenous children and for her efforts to build a culture of reconciliation." A member of the Gitksan First Nation, she is the executive director of the First Nations Child and Family Caring Society of Canada.

ANDRES FRIEDMAN, BCom'03, was delighted to return to Montreal last fall after nine years of working for Bombardier in Mexico, Toronto and Germany, in the areas of operations, supply chain and new programs. He is currently program director for Bombardier's business aircraft division. He looks forward to reconnecting with many colleagues and friends in Montreal.

HORACIO ANELL, MBA'04, wrote and published the Spanish-language murder mystery *Pesadilla de un hombre muerto* (Umbriel).

ISHANA GOPAUL, BCom'04, MBA'11, recently joined Queen's University as business officer and special projects manager in the Office of the Vice-Principal (Finance and Administration) where she advances key priority initiatives and financial projects for the VP's portfolio. Prior to her move back home to Canada, Ishana was the finance manager of the Princeton Neuroscience Institute at Princeton University, where she led the institute's financial and strategic planning as a member of its senior leadership team.

ELIAS SCOUFARAS, BCom'08, is the lead actor in *End of Night*, a short thriller that premiered at Montreal's Fantasia International Film Festival last summer. After completing his studies at McGill, Elias moved to New York to study at the Lee Strasberg Institute. He has appeared in episodes of such TV shows as *Murdoch Mysteries* and *Transporter*.

DAVID URQUHART, BCom'08, joined the San Diego Gulls of the American Hockey League as an assistant coach. The Gulls are the AHL affiliate of the NHL's Anaheim Ducks. David was the assistant coach of the McGill Redmen for four years. He is a former all-star player with the Redmen and a member of the McGill Sports Hall of Fame.

JEAN-MICHEL LAVOIE, MBA'09, was named one of the 25 rising stars in the insurance industry by the *Journal de l'assurance* (April 2018 edition). Since 2013, he has worked for Sun Life Financial where he is currently assistant vice president, product design, for the group benefits business line.

ISABELLE BRISSETTE, EMBA'10, became the new chief advisor, security and business resilience, at Rio Tinto in June. She oversees a global team of security professionals for the company and advises senior management on issues pertaining to resilience strategy and security. She has more than 20 years of experience in intelligence, geo-political analysis, governance, and global corporate security management.

DRISS DRISSI KAITOUNI, BCom'10, is the co-founder of DabaDoc, an online medical appointment booking platform in Africa. DabaDoc began in Morocco and has since expanded to Algeria and Tunisia. More than two million appointments have been booked with the platform. AXA Insurance Morocco recently became DabaDoc's first institutional shareholder.

MARIE SENÉCAL-TREMBLAY, EMBA'13, was appointed to a three-year term as a citizenship judge by Canada's Minister of Immigration, Refugees and Citizenship, Ahmed Hussen. Citizenship judges are responsible for making decisions on some citizenship applications, presiding over citizenship ceremonies and administering the oath of citizenship to new citizens.

SEAN FINNELL, BCom'15, is the co-founder of MINDSET Brain Gym in Toronto. The gym places an emphasis on mindfulness, offering meditation classes with brainwave sensing technology, a zero-gravity stillness pod, and a brain bar and lounge. For more information, visit mindsetbraingym.com.



ÉRIC GIRARD, BCom'89, is Quebec's new finance minister. The former senior vice-president of corporate treasury for the National Bank, he was elected to the National Assembly on October 1 as part of the new Coalition Avenir Québec government. Pediatric neurologist and Université de Montréal medical lecturer Lionel Carmant, MedResident'92, also joined the CAQ cabinet as its junior health and social services minister.



JOANNE LIU, MDCM'91, IMHL'14, DSc'16, was one of three McGill graduates selected for Canada's Walk of Fame (the others are screenwriter/producer Evan Goldberg, BA'05, and the late Leonard Cohen, BA'55, DLitt'92). As the international president of Médecins Sans Frontières (MSF/Doctors Without Borders) since October 2013, she has played a leadership role as MSF provided support after the tsunami in Indonesia, assisted people affected by the earthquake and cholera epidemic in Haiti, worked with Somali refugees in Kenya, and tended to war-wounded patients in Syria.

MARKUS REUBI, EMBA'16, has been promoted within the Federal Department of Foreign Affairs of Switzerland to become the deputy head of mission at the Embassy of Switzerland in Tokyo, Japan. He will act as chief operating officer within the embassy and coordinate the diplomatic work in various bilateral cooperation areas such as economy, finance, commerce, culture, science & technology, education and tourism.

MEDICINE

MITCHELL HALPERIN, BSc'58, MDCM'62, was appointed a member of the Order of Canada in recognition of "his renowned leadership within the field of nephrology as a clinician, researcher and educator." An emeritus professor of medicine at the University of Toronto, he received the American Society of Nephrology's Robert G. Narins Award for teaching excellence in 2008. Earlier this year, he was honoured by St. Michael's Hospital at a plaque-dedication ceremony for his seminal contributions to the development of the hospital's Division of Nephrology.

NICOLAS STEINMETZ, BSc'59, MDCM'63, was inducted into the Order of Quebec as a knight (chevalier). He played a key role in developing pediatric services in Pointe St. Charles, Little Burgundy, Kahnawake, Baffin Island and northern Quebec. He was instrumental in the creation of McGill's first family medicine unit and was the director general

of the Montreal Children's Hospital for two terms. A leading figure in the merger of the five McGill teaching hospitals that now form the McGill University Health Centre (MUHC), he served as planning director for the new Glen Campus of the MUHC.

ABRAHAM FUKS, BSc'68, MDCM'70, was appointed a member of the Order of Canada for "his contributions to the advancement of Canadian medical research, notably for his exploration of the immunological features of Type 1 diabetes and of immune-based cancer therapies." He is a professor in the Departments of Medicine, Pathology and Oncology at McGill and a member of the University's Clinical Trials Research Group. He is a former dean of medicine at McGill.

DANIELLE PERREAULT, BA'76, MDCM'82, was inducted into the Order of Quebec as a knight (chevalier). A family physician who has dedicated her career to improving the health outcomes of people living in remote communities, she visits the Cree and Inuit villages of the Far North several times a year. She has also worked abroad in New Guinea, Sierra-Leone, Guinea-Bissau, Haiti, Georgia and Vietnam. She was active in the fight against the deadly Ebola outbreak in West Africa in 2014-2016 where she worked with the International Red Cross.

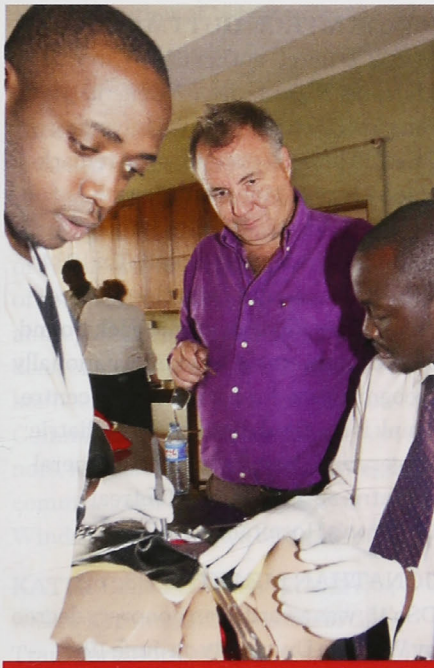
JOHN ANTONIOU, MDCM'91, PhD'99, was recently elected to be the president of the Canadian Orthopaedic Association. He is a tenured professor of surgery at McGill, an orthopedic surgeon at the Jewish General Hospital and a chercheur national du Fonds de la recherche en santé du Québec. He chairs the international committee of the Orthopaedic Research Society and is a past president of the Canadian Orthopaedic Research Society.

YVES DE KONINCK, PhD'91, a professor of psychiatry and neuroscience at Laval University, will receive the Biophysical Society's Emily M. Gray Award at the annual meeting of the society next March. The prize recognizes significant contributions to education in biophysics. Yves will be recognized for his work in the development of internationally renowned, transdisciplinary training initiatives in neurophysics and neurophotonics.

KIMBERLEY LEBLANC, BScN'92, completed her PhD in nursing at Queen's University in 2017. She is the chair of the Wound Ostomy Continence Institute, the national nursing organization responsible for providing education in the areas of wound care, ostomy care and continence to registered nurses and other allied health professionals. She is an adjunct professor at Western University and lectures in wound care at McGill's Ingram School of Nursing, where her

daughter Samantha Wiesenfeld is now studying. Kimberley's husband **LORNE WIESENFELD**, MDCM'92, MedResident'94, MedResident'97, is the vice-dean of postgraduate medical education at the University of Ottawa.

GEORGE MILLER, MDCM'98, received the 2018 Translational Research Grant from the Pancreatic Cancer Action Network (PanCAN) Research Grants Program for his project entitled Central



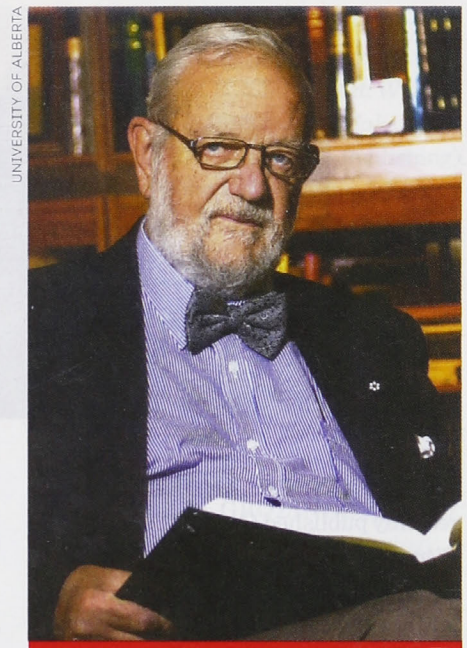
RONALD LETT, MSc'92 (in purple shirt), is the winner of the 2018 Teasdale-Corti Humanitarian Award, presented by the Royal College of Physicians and Surgeons of Canada. As the co-founder of the Canadian Network for International Surgery, he is credited with helping to train 35,000 health care practitioners in Africa in life-saving surgical skills. CNIS courses focus on surgical and obstetrical skills training and injury prevention, supplementing the teaching programs that already exist in sub-Saharan Africa.

Role of TIM4 in Driving Immune Tolerance in Pancreatic Carcinoma. His lab studies the role of pancreatic inflammation in the development of pancreatic cancer and is interested in the critical genes that support cancer formation by suppressing the immune system, the body's natural defense to fight cancer. He is a hepatobiliary and pancreatic surgical oncologist at the New York University School of Medicine.

HICHAM ALAOUI, PhD'99, was named vice president, biotherapeutics research & development, for Codexis, Inc. in July. Hicham takes on the newly created position as Codexis expands its biotherapeutics business. He was the senior vice president of discovery biology and the co-head of research at Symic Bio. He has more than 20 years of experience in a variety of drug discovery and development organizations.

AK'INGABE GUYON, BSc'98, MDCM'04, MedResident'08, was a co-recipient of the Public Health Physicians of Canada's 2018 President's Award. The prize is awarded to PHPC members who have made an outstanding contribution to the society and who have demonstrated a commitment to excellence in public health and preventive medicine. Ak'ingabe was recognized for her efforts in sounding the alarm over what she regards as a weakening of public health in Canada. She is an assistant clinical professor of public health at the Université de Montréal.

FLORENCIA IULITA, PhD'14, a postdoctoral fellow at the Université de Montréal, was part of a research effort co-led by Maria Teresa Ferretti, PhD'12. The team reviewed the scientific literature to document whether and how Alzheimer's disease differentially affects men and women. The extensive review they published in the journal *Nature Reviews Neurology* demonstrated that sex and gender differences play a very relevant role in the diagnosis and treatment of Alzheimer's disease, as supported by several independent studies.



UNIVERSITY OF ALBERTA

JOHN DOSSETOR, PhD'61, is the 2018 recipient of the Canadian Medical Association's Medal of Service. He organized Canada's first kidney transplant from a living donor in 1958, co-founded the Kidney Foundation of Canada and established McGill's kidney transplant program in 1964. He has also been a pioneering bioethicist and was the director of the University of Alberta's Bioethics Centre from 1985 to 1996 (it was later named the John Dossetor Health Ethics Centre).

MUSIC

STEVE BELLAMY, MMus'98, is the new chief executive officer for the Confederation Centre of the Arts (CCOA) in Charlottetown, Prince Edward Island. He was the dean of the Humber School of Creative & Performing Arts. As a recording engineer and music producer, he has worked with many leading jazz and classical musicians including Dave Douglas and Juno Award winners Mike Downes, BMus'88, and Anton Kuerti. The CCOA is a cultural centre dedicated to the visual and performing arts with a strong emphasis on educational programming.



ED MCCAULEY, PhD'83, is the new president of the University of Calgary. A leading scholar in the field of population ecology, he first arrived at the university in 1985, serving as a professor in biological sciences and Tier 1 Canada Research Chair. In 2009, he moved to the U.S. and became the director of the National Center for Ecological Analysis and Synthesis at the University of California, Santa Barbara. He returned to the University of Calgary in 2011 to become the institution's vice-president (research).

CLAUDIA FRIEDLANDER, DMus'99, recently published *Complete Vocal Fitness: A Singer's Guide to Physical Training* (Rowman & Littlefield). A voice teacher and certified personal trainer, she adapts the principles of biomechanics and motor learning to accelerate progress in the music studio. She is the author of the monthly column "Musings on Mechanics" for *Classical Singer* magazine. She is a faculty member at the Weill Music Institute at Carnegie Hall and recently collaborated on an interactive online career development guide for young singers that will be published in book form in early 2019.

RIHAB CHAIEB, BMus'10, won third prize among the female singers taking part in the Operalia world opera competition. Founded in 1993 by Plácido Domingo to discover and help launch the careers of promising young opera singers, the 2018 competition took place in Lisbon. Rihab, a mezzo-soprano, sang "Mon cœur s'ouvre à ta voix" from Saint-Saëns's *Samson and Delilah*. The final competition was streamed by Medici.TV to a large worldwide audience.

YOLANDA BRUNO, BMus'11, is the new concertmaster for the Kingston Symphony Orchestra. She was awarded First Prize and the Audience Choice Prize at the inaugural Isabel Overton Bader Canadian Violin Competition in 2017.

ERIC ABRAMOVITZ, BMus'16, joined the Toronto Symphony Orchestra as associate principal clarinet. Eric was previously a member of the Nashville Symphony Orchestra. He earned First Prize for Classical Clarinet at the 2017 Vandoren Emerging Artist Competition, a U.S. competition for outstanding young clarinetists and saxophonists.

SIMON RIVARD, MMus'17, is the new resident conductor of the Toronto Symphony Orchestra and the new conductor of the Toronto Symphony Youth Orchestra. Simon, who had been the associate conductor of the Thunder Bay Symphony Orchestra (TBSO), was included on CBC Music's "30 Hot Canadian Classical Musicians Under 30" for 2017. During the TBSO's 2017-18 season, he conducted over 30 concerts with the orchestra and chorus.

SCIENCE

THELMA PEPPER, MSc'43, was awarded the Saskatchewan Order of Merit, the province's highest public honour, in May. Now 98, she is the oldest recipient in the award's history. She was honoured for her achievements as a photographer. Her work, which celebrates the uniqueness and spirit of Saskatchewan people, particularly senior women, has been exhibited across Canada and in Europe and was the subject of an NFB film. As president of the Brunskill Elementary School Parent's Advisory Council, she was instrumental in creating the first public school library in Saskatoon.

FRANK MYRON GUTTMAN, BSc'52, MA'02, is the co-author of *The Sir Mortimer B. Davis Jewish General Hospital* (McGill-Queen's University Press). The book examines the remarkable history of Montreal's Jewish General Hospital, from its early days as a small community hospital in 1934 open to all patients, regardless of race, religion, language, or ethnic background, to its current status as an internationally recognized medical and research centre. Frank is a retired professor of pediatric surgery and the former chief of general pediatric surgery at the Montreal Children's Hospital.

JONATHAN MEAKINS, BSc'62, DSc'15, was awarded an honorary degree by Western University on June 19. Known internationally for his expertise in immunobiology and in the field of surgical infections, he was elected the Nuffield Professor of Surgery and Head of Department at Oxford University in 2002 where he served until his retirement in 2008. He spent much of his career at McGill, where he was appointed to the Edward W. Archibald Chair of Surgery in 1993. He was the surgeon-in-chief for the McGill University Health Centre from 1998 to 2002.

JOHN BERGERON, BSc'66, McGill's Emeritus Robert Reford Professor of Medicine, was named to the Order of Quebec as a knight (chevalier). As a researcher, he has distinguished himself

through his highly cited studies of the proteins in human and animal organs, uncovering their functions in health and disease. He chaired McGill's Department of Anatomy and Cell Biology from 1996 to 2009 and received the McGill University Medal for Exceptional Academic Achievement in 2016.

JOE SCHWARCZ, BSc'69, PhD'74, is the director of McGill's Office for Science and Society. His most recent book *A Feast of Science* (ECW Press) demystifies popular science in the "fake news" era. He is the author of 16 bestselling popular science books, including *Monkeys, Myths and Molecules* and *Is That a Fact?*

BRUCE P. ELMAN, BSc'71, was awarded an honorary doctor of laws from the Law Society of Ontario on June 20. He is a professor of law at the University of Windsor where he teaches in the areas of constitutional law, the legal profession, and legal ethics. He was the university's dean of law from 2000 to 2011 and has been a two-term chair of the Law Commission of Ontario's board of governors. He has also served as the integrity commissioner for both the City of Windsor and the Town of Amherstburg.

KATHLEEN FOX, BSc'72, MBA'86, was re-appointed as the chair of the Transportation Safety Board of Canada in August. She has been a member of the board since 2007. Over the course of her career in air traffic control, she worked at Transport Canada control towers in Baie-Comeau, Sept-Îles, Saint-Hubert and Montréal-Dorval, as well as at the Montreal Area Control Centre. She is a former vice-president, operations, for NAV Canada. She was inducted into Canada's Aviation Hall of Fame in 2016 and into the Women in Aviation International (WAI) Pioneer Hall of Fame in 2018.

SUZANNE FORTIER, BSc'72, PhD'76, was appointed to the Order of Canada as an officer "for her rich contributions to scientific advancements and innovation in Canada, and for her governance in academia." McGill's principal and vice-chancellor, she is the former president of the Natural Sciences and Engineering Research Council and a former senior administrator at Queen's University where she served as vice-principal research and then vice-principal academic.


MIKE HAYES, BSc'77, was inducted into the Smiths Falls Recreation Hall of Fame in June. Born and raised in Smiths Falls, he was an alternate captain with the McGill Redmen hockey team during his time at the University. He has served as a hockey coach, instructor and referee for 45 years and played a key role in the formation of the New Zealand Ice Blacks hockey team. He organizes an annual hockey game in Smiths Falls in memory of his son Connor that supports a scholarship at Sacred Heart High School, assisting student athletes with their post-secondary education.

LORRAINE TÊTREAU, BSc'77, won both the Ontario and Canadian 60+ women's championships in 2018. She competed in the 2018 World Masters Squash Championships in Charlottesville, Virginia, finishing 11th in the 60+ category. She met Mike Hayes, BSc'77, at McGill, reconnected with him in 1997, and married him in 2005.

GEORGE SAPOUNIDIS, BSc'80, MSc'84, is a musician who performs under the name Chairman George. His latest album, which features popular Greek songs performed in Mandarin Chinese, is *Bringing the Greek Party to China!* He has performed at festivals throughout China and was the subject of the 2005 documentary film *Chairman George*.

DANIELLE MÉTHOT, BSc'84, DipManTour'92, is the author of *A Healthy Life on a Healthy Planet: What We, as Individuals, Can Do to Make It Happen* (Cambridge Scholars Publishing). The book examines how our health is dependent on the quality of our environment and focuses on the effects of pesticides and the combustion of carbon fuels. Danielle is a design approval representative with Transport Canada and she has worked for more than 20 years on the research and development of gas turbine engines.

CHRISTINA M. GROZINGER, BSc'97, distinguished professor of entomology and director of the Center for Pollinator Research at Penn State, was elected as



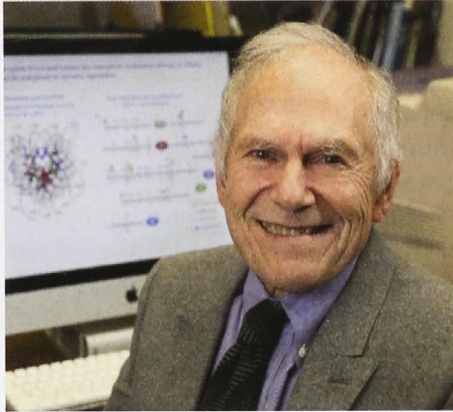
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MICHAEL GRUNSTEIN, BSc'67, a distinguished professor of biological chemistry at the David Geffen School of Medicine at UCLA, was awarded the 2018 Albert Lasker Basic Medical Research Award for his groundbreaking work on gene expression. He provided the first demonstration that histones – the proteins that package DNA within chromosomes – are more than inert structures that serve simply as spools for DNA. He and his team at UCLA showed that histones actually play an important role in gene expression. He shares the award with C. David Allis of Rockefeller University. The Lasker Awards are widely regarded as America's top biomedical research prize.

an Entomological Society of America Fellow, acknowledging her contributions to entomology in research, teaching, extension and outreach. She is internationally recognized for her integrative studies on the mechanisms underpinning social behavior and health in bees and for her advocacy for research, education and conservation of pollinators.

ALEXANDRA KINDRAT, BSc'00, MSc'03, BEd'05, is a 2018 recipient of the Northern Lights Aero Foundation (NLAF) Education Award. A Montreal-based science and mathematics teacher, she has been a member of the teaching faculty at NASA's High School Aerospace Scholar Program at the Johnson Space Centre in Houston, Texas. In 2017, she took part in the Space Advisory Board roundtable on Canada's future in space. The NLAF is a foundation whose primary focus is on attracting young women to careers in aviation and aerospace.

MARINA KAUFMAN HOLZ, BSc'01, became the new dean of the Graduate School of Basic Medical Sciences at New York Medical College on September 1. She had been with Stern College of Yeshiva University and held a joint appointment in the Department of Molecular Pharmacology at the Albert Einstein College of Medicine.

HADIYA RODERIQUE, BSc'03, was named to Canadian Lawyer's Top 25 Most Influential list for 2018. She is the former co-host of the *Canadaland: Commons* podcast, a freelance writer and a PhD student at the Rotman School of Management. Her award-winning article "Black on Bay Street" in the *Globe and Mail* was widely discussed by those in the Canadian legal community.

JORDAN CATRACCHIA, BSc'11, is a senior visual effects (VFX) compositor and software engineer at Method Studios in Vancouver, where he uses his technical and artistic skills to help create VFX shots for Marvel films. He received a screen credit for his work on sequences involving Thor, Rocket Raccoon and Groot in Marvel's record-breaking blockbuster *Avengers: Infinity War*. He has also worked on *The Meg*, *Ant-Man and the Wasp*, *Deadpool 2* and *Spider-Man: Homecoming*.

DAPHNÉE VOYATZIS-BOUILLARD, BSc'16, is a global advocate fellow for Mama Hope, an organization that promotes community-led sustainable development. She has recently been in Guatemala and is organizing a fundraising campaign for local organizations there. For more information, visit www.classy.org/team/175824.

ERRATUM

In our summer issue, we included an item about physiotherapist and author **GLORIA GILBERT**, BSc(PT)'67, in which we mentioned her husband, Joseph Martin. That came as a surprise to both Ms. Gilbert and her real husband, **JOSEPH GILBERT**, BSc'61, MDCM'65. Our apologies to both of them.

We're always interested in what our graduates are up to. Please send your news to us at:

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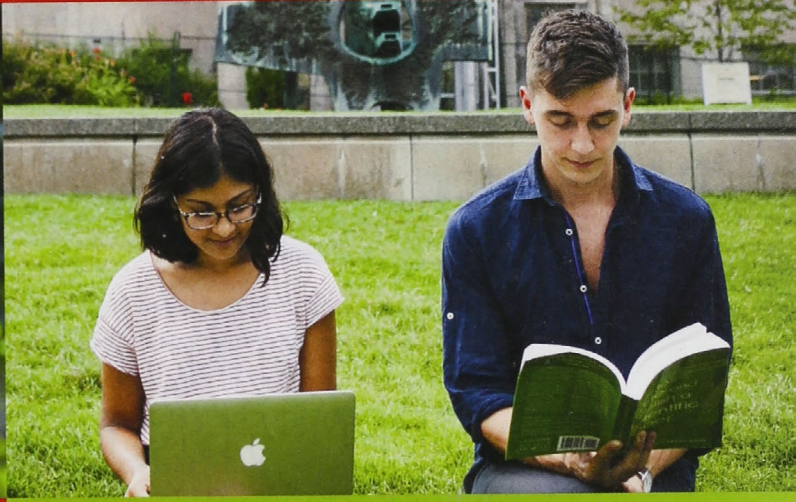
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A LIFETIME

CREATING CHANGE THROUGH OPPORTUNITIES FOR STUDENTS

Martha Crago's PhD launched her academic career, and the people she met through her field research in Northern Quebec left an indelible mark on her. So much so, that in her bequest to McGill, she is creating and naming an undergraduate scholarship for Indigenous students after Vilasi Annahatak, the woman who housed her during that time.

"Without the partnership of the Inuit community – all the way from feeding me to participating in my studies – I would not have the career I've had. I owe it backwards."

For Crago, BA'68, MSc'70, PhD'88, her bequest is the chance to create an opportunity for a student who might not otherwise be able to attend McGill.

"I had that privilege, my children had that privilege, so I felt that we should, as a family, help somebody else go to university." As Crago points out, that kind of philanthropy benefits both future students and the University. "We're getting better quality students because we can offer scholarships."

Over her four decades at McGill – as a student, a professor, and today as Vice-Principal of Research and Innovation – she has

often been inspired by the generosity of other faculty. "I would think, 'Well, they're giving. I guess I should grow up some day and do this.'"

“ I had that privilege, my children had that privilege, so I felt that we should, as a family, help somebody else go to university. ”

Crago recalls an exciting time when she looks back to the late 1960s, when she was an undergraduate. "We thought we had the power to make change, as 20-year-olds." She cites changes brought about by young people, especially in her native United States, including the end to the war in Vietnam and desegregation.

"We believed we could do things. I think that stays with you. I still believe that I can make things change. It is fundamental to the sense of who I am."



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1930s

- F. KEITH RICHAN**, BSc'36,
at Port Hope, Ont., on June 18, 2018.
- DOREEN B. ADAMS**, BA'39,
at Westmount, Que., on September 21, 2018.

1940s

- WINNIFRED CARRIE JONES**, BA'41,
at Perth, Ont., on February 1, 2018.
- HADASSA GOTTHEIL**, BA'41,
at Montreal, on August 12, 2018.
- JOAN M. BAILIN**, BSc'44, MA'48, BSW'52, MSW'57,
at Montreal, on June 25, 2018.
- MAURICE CARON**, BEng'44,
at Ottawa, on August 10, 2018.
- ROBERT M. LANE**, MDCM'44,
at Victoria, B.C., on July 15, 2018.
- SHEILA MAKLAN**, BSc'45, MSc(A)'68,
at Westmount, Que., on July 13, 2018.
- KURT EKLER**, BSc'46, PhD'55,
at Ottawa, on November 12, 2016.
- MARGARET W. PETERSON**, BSc'46,
at Santa Rosa, Calif., on September 17, 2018.
- MARILYN ELIZABETH BOWER**, BCom'47,
at Whitby, Ont., on June 27, 2018.
- JOHN S. GALE**, MDCM'47,
at Raleigh, N.C., on October 3, 2018.
- DONALD R. MOONEY**, BEng'47,
at Montreal, on July 4, 2018.
- PETER TURCOT**, BCom'47,
at Toronto, on October 29, 2018.
- FREDERICK O. JOHNSON**, BCom'48,
on September 25, 2018.
- OWEN. E. OWENS**, BSc'48, MSc'51, PhD'55,
on October 7, 2018.
- GRAEME W. BOSWALL**, MSc'49, PhD'59,
at Charlottetown, P.E.I., on August 7, 2018.
- JAMES E. IVERSEN**, BA'49, MA'51,
at Montreal, on November 2, 2018.
- DOROTHY ELEANOR SIM**, BSc(HEc)'49,
at Ottawa, on November 5, 2018.

1950s

- PERRY BLACK**, BSc'51, MDCM'56,
at Chestnut Hill, Penn., on October 28, 2018.
- DAVID C. COLL**, BEng'55, MEng'56,
at Ottawa, on September 6, 2018.

- JOHN COREY**, BEng'51,
in Ontario, on November 7, 2018.
- CARL R. KOSTOL**, MDCM'51,
at Baker City, O.R., on March 14, 2018.
- JOY MEYER**, BA'51,
at Montreal, on August 12, 2018.
- ROBERT F.C. VESSOT**, BA'51, MSc'54, PhD'57,
at Marblehead, Mass., on June 5, 2018.
- LEE JACKSON WHITE**, DDS'51,
at Perth-Andover, N.B., on May 27, 2018.
- JOHN PETER FLANAGAN**, BSc(Agr)'52,
at Montreal, on May 22, 2018.
- JOAN KOURI**, BA'52, MED'78,
at Pointe-Claire, Que., on February 6, 2018.
- AUDREY JOYCE WIPPER**, BA'52, MA'55,
at Kitchener, Ont., on April 15, 2018.
- DONALD GEORGE WALLACE**, BCom'52,
on June 17, 2018.
- JOSEPH BENDER**, MDCM'53,
at West Chester, Penn., on June 19, 2018.
- LOUIS CASSAR**, MDCM'53,
at Montreal, on June 12, 2018.
- DAVID GERTLER**, BCom'53,
at Westmount, Que., on June 2, 2018.
- DAVID ZACHARIN**, DDS'53,
at Montreal, on November 8, 2018.
- DONALD H. FRENCH**, BSc'54,
at Oshawa, Ont., on August 5, 2017.
- JOAN FRISCH**, BSc(PE)'54,
at Cobble Hill, B.C., on October 20, 2018.
- TASS G. GRIVAKES**, BA'54, BCL'57,
at Montreal, on September 27, 2018.
- JUDY V. T. HAMILTON**, BA'54,
at Westmount, Que., on July 6, 2018.
- DENISE LATIMER**, BA'54,
at Montreal, on September 26, 2017.
- ALAN C. LINDSAY**, BA'54,
at Montreal, on September 4, 2018.
- PETER H. SIMS**, BCom'55,
at Kitchener, Ont., on November 22, 2018.
- JILL LILLIE**, BSc'56,
on October 12, 2018.
- JOHN G. PAGE**, MDCM'56,
at Pleasant Prairie, Wis., on November 23, 2018.
- BILL JAMES**, PhD'57,
at Toronto, on September 4, 2018.

JOSEPH SILVERSTONE, BA'57, BCL'61,
at Montreal, on June 23, 2018.

THOBURN "TOBY" THOMPSON, MDCM'57,
at Cedar Falls, Iowa, on June 6, 2018.

JOHN G. ELLIOTT, BSc(Agr)'58,
at Sudbury, Ont., on June 28, 2018.

ARTHUR DALE KRACKE, MDCM'58,
at Portland, O.R., on October 3, 2018.

MORTON H. BESSNER, BCL'59,
at Montreal, on September 25, 2018.

KENNETH CANTOR, BSc'59, MDCM'63,
at Montreal, on September 21, 2018.

SEYMOUR D. STEINMAN, BA'59, BCL'64,
at Montreal, on August 19, 2018.

ZENA F. WOLFE, BA'59,
at Longboat Key, Fla., on June 7, 2018.

1960s

ENN JOMM, BSc'60, MDCM'65,
at Newmarket, Ont., on October 9, 2018.

ANDRE M. LAURENDEAU, BEng'60, DipMan'64,
at Montreal, on September 21, 2018.

R. JAMES PLANT, BCL'60,
at Sutton, Que., on November 11, 2018.

LAZARUS CAPLAN, BCom'61,
at Montreal, on June 2, 2018.

G. HEWSON HICKIE, BSc'61, MSc'65,
at Port Hope, Ont., on June 14, 2018.

DONALD E. HOLNESS, BSc(Agr)'61, MSc'63,
at Ottawa, on October 17, 2018.

DONALD R. LEITH, DDS'61,
at Montreal, on November 21, 2018.

GEORGE R. MACLAREN, BA'61,
at Mahone Bay, N.S., on August 30, 2018.

W. PETER ADAMS, MSc'62, PhD'66,
at Peterborough, Ont., on September 28, 2018.

JACK BOIDMAN, BCom'62, BCL'65,
at Côte Saint-Luc, Que., on July 3, 2018.

ROBERT FLINN, BArch'62,
at Chester, N.S., on September 8, 2018.

LESLIE R. BARRAN, BSc(Agr)'63, MSc'65,
at Ottawa, on July 10, 2018.

HANNS B. WERNECKE, MA'63,
at Pointe-Claire, Que., on June 23, 2018.

DAVID JAMES CHRISTIE, BCom'64,
at Toronto, on September 7, 2018.

RONALD M. KRASNICK, MSc'65, MDCM'69,
on May 31, 2018.

KAREN E. L. PAPE, BSc'66,
at Toronto, on June 2, 2018.

JACK GREENER, BSc'67, MDCM'69,
at Hollywood, Fla., on March 25, 2018.

BRIAN WHITE, DipEd'67, MEd'73,
at Gatineau, Que., on February 4, 2018.

HOWARD STEPHEN YUDIN, BSc'67, MSc'69,
at White Plains, N.Y., on June 23, 2018.

ROWAN EMBERSON, PhD'68,
at Christchurch, N.Z., on October 7, 2018.

SARA WEINBERG, BA'68, DipEd'69,
at Montreal, on June 27, 2018.

HELENA EKLER, MSW'69,
at Ottawa, on November 7, 2018.

1970s

JAMES KEVIN DRURY, BSc'70, MDCM'76,
at Encino, Calif., on September 7, 2018.

DAVID O. MUTCH, BSc'70, MDCM'75,
at Saint-Jerome, Que., on October 17, 2018.

SOPHIA TYMCHYSHYN, BEng'70, MEng'73, DipMan'81,
at Edmonton, Alta., on April 27, 2018.

ARTHUR J. HOSIOS, BEng'72, MEng'75,
at Toronto, on November 17, 2018.

NEIL RICHARD FINKELSTEIN, BA'73, LLB'79,
at Toronto, on June 12, 2018.

ALASTAIR GILLESPIE, BCom'75,
at Toronto, on August 19, 2018.

HELEN BUDD HANNA, MA'75,
at Pierrefonds, Que., on August 13, 2018.



The peaceful resolution of the Oka Crisis in 1990 owed much to the contributions of **JOHN CIACCIA**, BA'53, BCL'56, one of the few government representatives that the Mohawk community had any faith in. His cool-headed approach and openness to Indigenous communities helped resolve the tense standoff. "He was a

guy who, when he said he was going to help, he wasn't just saying it. He actually did it," said Serge Simon, grand chief of the Mohawk Council of Kanasatake. Ciaccia, who served in the National Assembly for 25 years, also played a vital role in the negotiations that led to the James Bay and Northern Quebec Agreement in 1975, representing Quebec premier Robert Bourassa in the talks with Cree and Inuit leaders. Ciaccia died on August 7, 2018 in Beaconsfield, Quebec.



CHARLES KRAUTHAMMER, BA'70, DLitt'93, was one of the most influential political columnists in the U.S.—according to the *Financial Times*, he “influenced U.S. foreign policy for more than two decades.” A former psychiatrist, Krauthammer received a National Magazine Award and a Pulitzer Prize for his work as

an essayist and columnist. A one-time *McGill Daily* editor as a student, he ultimately veered towards conservative politics. A regular columnist for the *Washington Post*, he was also a weekly commentator for Fox News. He served on former U.S. president George W. Bush's Council on Bioethics. He died on June 21, 2018 in Atlanta, Georgia.

STEPHEN M. EARLE, DDS'76,
at Ottawa, on May 1, 2018.

JOHN KONCZYNSKI, BEng'76,
at Dollard-des-Ormeaux, Que., on April 25, 2016.

1980s

JOSHUA COHEN, BA'80,
at Montreal, on November 20, 2018.

RAYMOND LEE COUSINEAU, BEng'84,
at Vancouver, B.C., on August 4, 2018.

JOCELYNE ST-LAURENT, BScN'85,
in Barbados, on May 28, 2018.

ATSUKO COOKE, MLIS'88,
on September 8, 2018.

KIM-NGAN DUONG, BEng'89,
at Montreal, on April 7, 2018.

PAUL MASSICOTTE, BEng'89, MEng'97,
at Saint-Agapit, Que., on February 25, 2018.

1990s

ARI JOSHUA LEVY, LLB'90, BCL'90, BA'90, MBA'90,
on September 27, 2018.

PETER GOLDEN, BCL'91, LLB'91,
at Victoria, B.C., on July 31, 2018.

MARTIN ROUTHIER, BA'97,
at Montreal, on August 17, 2018.

2010s

BRIANNA LOUISE DELAGRAN, BA'12, MA'18,
at Montreal, on May 16, 2018.

QIU XIANG SONG, BN'14,
at Suzhou, China, on October 20, 2018.

FACULTY AND STAFF

SUSAN ABERMAN, former chief of staff to the principal,
at Montreal, on September 15, 2018.

ELSPETH ANGUS, BSc'51, MSc'66, staff member,
Department of Pathology, at Montreal, on May 30, 2018.

BLAINE BAKER,
emeritus professor of law, on July 11, 2018.

MARGARET BECKLAKE,
professor emerita of epidemiology, biostatistics and
occupational health, at Montreal, on October 17, 2018.

ALTHEA DOUGLAS, BSc'47, MA'58,
former associate editor (Fanny Burney Project) and
archivist (Montreal Neurological Institute),
at Ottawa, on October 21, 2018.

MARGARET HOOTON, MSc(A)'66,
retired associate professor of nursing, at Montreal,
on August 25, 2018.

ANASTASSIA KHOURI,
librarian emerita, at Montreal, in June, 2018.

GERALD KLASSEN,
former director of the Royal Victoria Hospital's
cardiovascular division, at Halifax, N.S., on August 6, 2018.

SEYMOUR LEVINE, BEng'47, MEng'50,
retired adjunct professor of architecture,
at Montreal, on October 9, 2018.

JOHN M. LITTLE, MDCM'61,
retired associate professor of ophthalmology,
at Montreal, on June 10, 2018.

ELEANOR A. MACLEAN, BSc'67, MLS'69,
librarian emerita, at Montreal, on October 2, 2018.

PETER M. MILNER, MSc'50, PhD'54,
professor emeritus of psychology, at Montreal, on June 2, 2018.

LILLIAN RIDER, MLS'69,
retired reference librarian, on October 28, 2018.

HARRY ROSEN, DDS'53,
emeritus professor of dentistry,
at Westmount, Que., on November 15, 2018.

ARTHUR ROSENBERG, BSc'56,
retired associate professor of medicine and oncology,
at Montreal, on September 3, 2018.

PETER J. ROUGHLEY,
emeritus professor of surgery, on September 16, 2018.

CLAUDIO SANDRIN, DipEd'72,
former soccer coach for men's team, on July 22, 2018.

GORDON C. SHORE, PhD'74,
emeritus professor of biochemistry, at Montreal,
on September 7, 2018.

KENNETH S. WOODMAN, BMus'67,
retired professor of music, at Westmount, Que.,
on August 8, 2018.

A FEAST FOR THE EYES

Some of the most arresting items in the McGill Library's Visual Arts Collection are now on display on the fourth floor of the McLennan Library Building. The 40 pieces of art, which include works by Norval Morrisseau and members of the Group of Seven and the Beaver Hall Group, were put on permanent exhibition last spring.



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