

OMAR EL AKKAD

Scotiabank Giller Prize winner
looks back on his first writing gig

POETIC JUSTICE

A Law alumna becomes
Vancouver's poet laureate

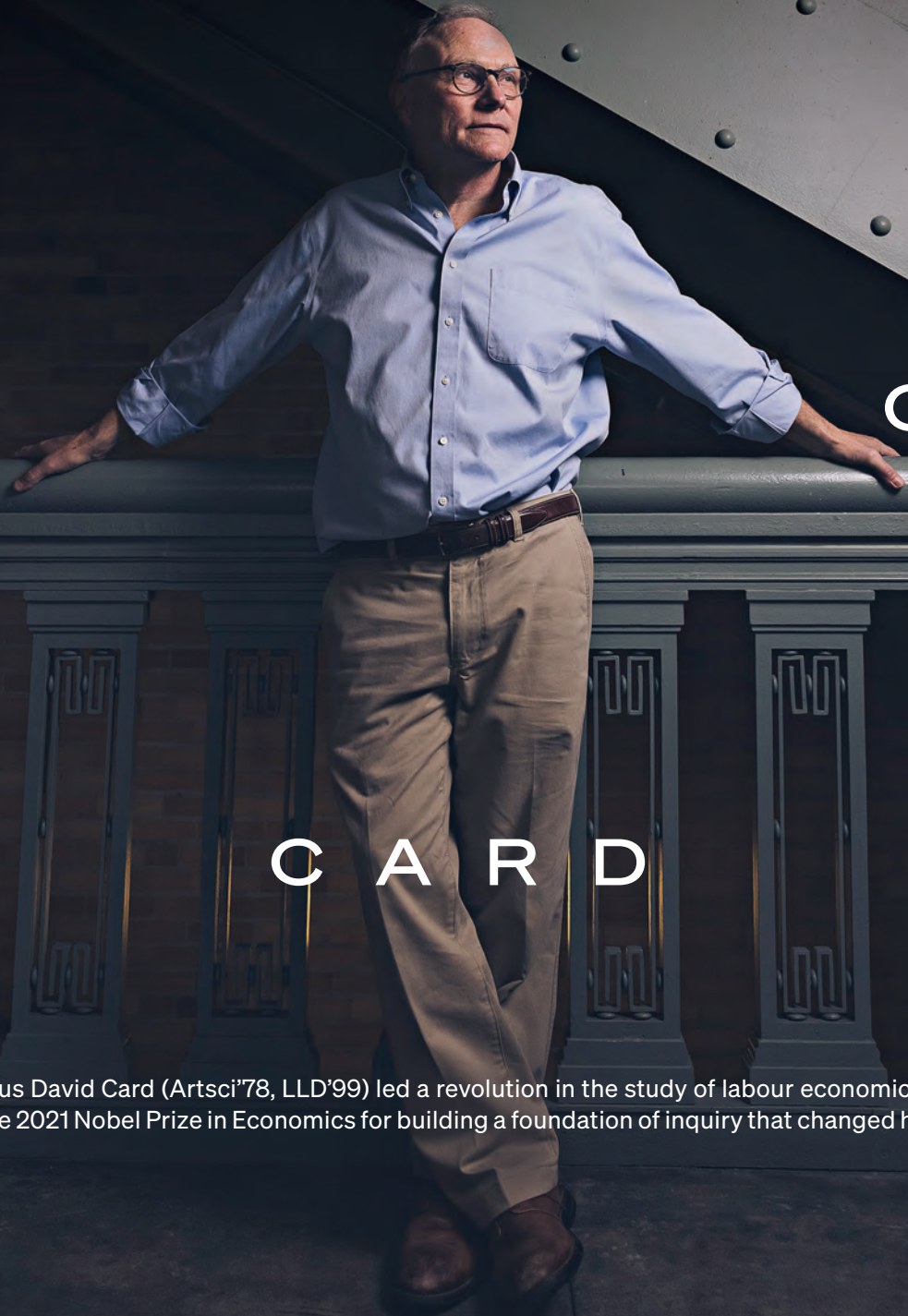
EVERYDAY MAGIC

How Queen's research will
transform your home sweet home

QUEEN'S ALUMNI REVIEW

THE MAGAZINE OF QUEEN'S UNIVERSITY SINCE 1927

H O U S E



O F

C A R D

Alumnus David Card (Artsci'78, LLD'99) led a revolution in the study of labour economics – and won the 2021 Nobel Prize in Economics for building a foundation of inquiry that changed his field.

WINTER 2021



Dr. Cathleen Crudden
Professor of Chemistry
Canada Research Chair in
Metal Organic Chemistry

Molecular Science

MOMENTOUS EFFECT

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2021 Times Higher Education Impact Rankings
Advancing the UN's Sustainable Development Goals



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The newly renovated Interior Design Studio (iStudio) Lab.

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BY MATT HARRISON



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ABOUT THE COVER

Dr. David Card, photographed on Dec. 3, 2021 on the campus of the University of California, Berkeley, by Smeeta Mahanti.



Mahanti said she wasn't sure what to expect in photographing a Nobel Prize winner, but was pleasantly surprised. "Dr. Card may be the kindest, most humble person I have ever met. It was absolutely a joy to photograph him," she said. "Just like his work explores many facets of economics, I wanted to show Dr. Card's many sides. He was serious, thoughtful, and had a great sense of humour – all of which I tried to capture."

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Created at Queen's

A gift for the Class of 2021 to stand the test of time.

"It's not just a notebook because, at its heart, it's about the Queen's experience. As an alumna, I'm so proud to have been a part of it."

— ALISSA SOKOLSKI, P. 48



HEART OF THE CHALLENGE

recently heard it argued by a self-styled thought leader that intensifying student demand for better “customer service” will be the next major disruption to higher education globally.

While it is true that there have always been students more inclined than most to view their education as a commodity and their tuition simply as a fee for service, it is doubtful their numbers are yet anywhere near a majority. Nor is it likely they will become so. After 40 years of teaching I can say that I have not known a generation of students less driven by crude self-interest or more passionately committed to the greater good than those we are seeing in our classrooms today.

Academics have of course always been firm in rejecting a consumer model for the activities in which they engage, but for reasons that are largely misunderstood in public discourse. When professors bridle at the language of customer service, it is not because they are indifferent to the quality of the learning experience they provide, but rather because the commercial model omits so much that is critical to the cultivation of mind, spirit, and body that is the purpose of advanced education.

A decade ago the Canadian economist Douglas Allen drew attention to the fact that some of society’s most important and enduring institutions are not premised on standardization and wage labour, but instead on custom, personal connections, and patronage. And even though today universities are increasingly held accountable for measurable outputs, they remain deeply rooted in that latter world – and they do their most important work sustained by it. This is especially true in a research-intensive

university like Queen’s, where students at all levels benefit from knowing and being mentored by world-class researchers. There is a subtle but critical difference between this situation – in which teacher and student may be operating at different levels, but there is a presumption of partnership in pursuit of greater understanding – and a transactional approach in which a ready-made intellectual “product” is being passed along to a consumer.

While the onset of the pandemic in March of 2020 – and the resulting shift to virtual learning – occasioned a certain amount of understandable dissatisfaction amongst students everywhere about the nuts and bolts of instruction, it seems that at our institution what students lamented more was the loss of “the Queen’s experience,” the unique broader learning environment, including clubs, student government, and other extra-curricular activities that constitute the custom and culture of a Queen’s education. Even if we focus only on student satisfaction, then, there is a dimension to the pursuit, conferring and receiving of a Queen’s degree that is not easily quantifiable and constitutes a significant challenge to the simplistic application of a commercial model.

At the heart of that challenge is the premium placed by students on their membership in a community, which naturally speaks at some level to the needs of the self but which ultimately also brings benefit to others by helping to create a society that is just, diverse, and consequently rich in opportunity. That is why there is good reason to avoid loosely applying the notion of customer service in a university context. An institution like Queen’s does indeed exist to serve, and the individuals who are members of this community certainly are critical beneficiaries of that service. But those individuals also share in the university’s obligation to serve society at large, and the eagerness with which students in particular have embraced that responsibility – fighting for social justice, lobbying for action on climate change and the Sustainable Development Goals, for example – is one of the most invigorating aspects of university life today.

PRINCIPAL PATRICK DEANE



In the last issue of the Queen's Alumni Review, we asked readers to tell us about the plants and flowers that transported them to another place or time, much as Helen Humphreys wrote about how the Fowler Herbarium had taken her back in time in her new book, *Field Study: Meditations on a Year at the Herbarium*. We wanted to share all the entries, but so many readers wrote moving stories that touched their lives that we only had room for a few. Thank you to all who participated in our contest – we're sharing an edited selection of entries here. And congratulations to Jane Bird (NSC'69) who has won a copy of *Field Study*.



Jane Bird (NSC'69) is the winner of a copy of Helen Humphreys new book!

Helen's stories about plants, flowers or trees take me back to my childhood. I played outside as much as possible then. Each spring as we passed Mom's long row of pink peonies and the sour cherry trees in blossom on the other side of the driveway, we crossed the road and entered a large field full of wild strawberries. We picked until our containers and tummies were full. Mom

made lovely, tangy, and sweet wild strawberry jam. There is nothing better than that wild berry flavour on a piece of homemade bread.

CATHIE HAMILTON, ARTSCI'87

During time spent as a teacher in Northern Quebec, I recall collecting lichens to construct a Halloween costume. Long after Halloween this scent remained on and around me. Walking and sitting on hills covered with lichen continues to bring this memory back. It is a scent that permeated my being.

LAURIE WATSON

It made me think of my mother's beautiful climbing wisteria bush that grew over and around her garage door and that I trimmed for her each year when I was visiting. The beautiful clumps of purple flowers amaze me still whenever I see a wisteria bush and remind me of her and her passion for her gardens (she died 10 years ago). Thanks for the memories.

ANIKO VARPALOTAI, BA/BPHE '81, MA '83

It is the sap from a Newfoundland black spruce tree that transports me back. I remember being about eight at the time and we were stuck at the side of a washed-out road, beside a barachois, as the fog rolled in over the beach. In order to keep me occupied while my Dad went for a tow truck, my Mom

showed me the delights of "Spruce Gum." It oozes out of the lower tree trunk in gooey boils a bit like frankincense. We scraped it off, trying not to get our hands and clothes covered, and popped it into our mouths. I tried to keep it as a congealed bubble as it spread over my teeth. Ice-cold water from the brook helped to solidify it. It was more of a sticky lozenge, definitely not gum. But that essence of fresh spruce – what a flavour sensation!

JOHN TREZISE, SC'78

Lavender transports me to another place – a place of relaxation, of Zen, and of memories of spending quality time with my best friend, Jennifer, in the lavender fields of Quebec. It soothes me when I'm stressed, have headaches or trouble going to sleep. I carry some around with me, especially on my travels. It's absolutely magical!

ARLETTE BOGHOSKHAN, MIR '14

Helen Humphreys' work at the herbarium reminded me of special times at Frontenac Park. The most magical part of that whole park was always the mysterious swamp on the Hemlock Lake loop. The amazing fungi and vines made one believe you were transported to another part of the world.

JANE BIRD, NSC'69



WRITE TO US

The Queen's Alumni Review welcomes comments at review@queensu.ca. All comments may be edited for clarity, civility, and length.

 @queensureview

QUEEN'S BY THE NUMBERS

In 2021, the Times Higher Education (THE) Impact Rankings placed Queen's first in Canada and fifth in the world in its global ranking of universities that are advancing the United Nations Sustainable Development Goals (SDGs) within and beyond their local communities. Here are some of the numbers that provided evidence of our commitment to the SDGs, from water fountains to big medical breakthroughs:

33

Percentage of Queen's University waste that was recycled

7

Number of days a week that students can access mental-health support

0

The Tea Room is North America's first zero-consumer-waste carbon-neutral café

QUEEN'S ALUMNI REVIEW

VOLUME 96, NO. 4, 2021

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Cultural fabric

I always appreciate the coverage of events by the *Queen's Alumni Review*, and that is true especially of the Fall 2021 issue. Among other things, it brought together two fine articles about the importance of costume and cultural history. I offer two further links between these articles to the story of costume, displacement, and refuge in Canada. First, the work of distinguished historian Margaret Angus, LL. D., for many years the founding Curator of the Queen's University Collection of Canadian

Dress – an underlying source of these two exhibits. And second, the diligent work of maintaining the Queen's costume collection by German immigrant Erdmute Waldhauer, who published a history of Kingston's Grand Theatre. The important work of these two women over many years is part of the cultural fabric we celebrate today. The threads of costume history (and refuge) at Queen's are very long ones.

RICHARD TROUSDELL, PROFESSOR EMERITUS OF THEATRE, UMASS-AMHERST (QUEEN'S DRAMA, 1967-78)

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Smeeta Mahanti is a San Francisco-based photographer who specializes in portraits. Her work has appeared in publications across the United States, including *People* and the *San Francisco Chronicle*. Mahanti photographed Nobel Prize winner in economics David Card at the University of California, Berkeley, where he teaches. See images from the session on page 20.



Blair Crawford (Artsci'86) graduated with a degree in geography but has been a newspaper reporter and editor for more than 30 years, first with the *Windsor Star* and, since 2001, with the *Ottawa Citizen*. Before that, he worked as a field geologist for a gold exploration company. He is an avid hiker, cross-country skier, and sea kayaker. Read: "On Campus," on page 7.



Jennifer Gauthier is a photojournalist based in Vancouver who shoots for Reuters and her work has appeared in newspapers across Canada and around the world. She holds a Bachelor of Fine Arts in photography and has won awards for her work in spot news and sports. Her work during British Columbia's recent floods was chosen by Reuters to represent Canada in its recent gallery of the best photos from around the world. See Gauthier's photography in "For the Record" on page 14.

25

The number of meals per term at dining halls that eligible students can redeem

500+

Number of trials clinical staff at the Canadian Cancer Trials Group have conducted resulting in major, life-saving breakthroughs in cancer

17

Number of SDGs adopted in 2015 by UN member states – including Canada

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ON CAMPUS



Stu Crawford (Arts'51) has been a presence around the Queen's Gaels men's hockey team for more than 75 years. On March 2, the day he turns 100, the diehard fan, former Golden Gael, and Second World War veteran will see his presence made permanent. The club is officially naming its dressing room at the Memorial Centre "The Stu Crawford Team Room."

↓
“Stu’s got some serious longevity in his bones,” says Dave Descent, president of the Men’s Hockey Booster Club.

“He was a quality player and he really emphasizes the tradition and the respect that our team brings.”

Before Mr. Crawford battled on the ice for his university, he was battling in the skies over Nazi Germany as a bomb aimer with the Royal Canadian Air Force. On April 8, 1945, his Lancaster was shot out of the sky.

“We ran into trouble over Hamburg. There was a 10-mile stretch where the flak was pretty heavy,” recalls Mr. Crawford.

“I was the bomb aimer. I’m lying on my stomach and watching all of this. They had maximum firepower trying to shoot us down,” he says.

“But you tend to ignore these things because you’re pretty busy. It’s almost like a good hockey game. You get so damn involved, you forget about anything else.”

After the war, Mr. Crawford returned to Kingston to study philosophy and psychology at Queen’s, where he played with the Golden Gaels from 1947 to 1951.

He learned the game playing on the frozen Cataraqui River, behind his house. His neighbours in Kingston’s “Swamp Ward” were the Cook brothers – Bill, Bud, and Bun. Bill had been captain of the New York Rangers and is in the Hockey Hall of Fame.

Mr. Crawford is humble about his own skills.

“I was a Swamp Ward type of hockey player. A shinny player. I wasn’t a great, but I had great company.”

He recalled the Golden Gaels playing at the old Montreal Forum.

“There were 8,000 fans there – 8,000 screaming McGill fans,” he says. “You can imagine what that was like.”

Mr. Crawford worked for decades at the *Kingston Whig-Standard*, retiring in 1987. Until just a few years ago, he still played hockey once a week in Gananoque.

In 1986, Mr. Crawford and some hockey buddies decided there needed to be some honour for Queen’s annual match with the Royal Military College. And so was born the Carr-Harris Cup, a celebration of hockey’s oldest rivalry.

Mr. Crawford will be honoured before this year’s Carr-Harris Cup match at RMC, tentatively scheduled for Feb. 24, when he is to be presented with a replica Golden Gaels sweater like the one he wore during his playing days.

Stu Crawford’s name still resonates with today’s players, Mr. Descent says.

Golden Gaels coach Brett Gibson asked if Mr. Crawford could come to the arena on Remembrance Day to speak to the team. He was glad to oblige.

▼
An archival photo of Stu Crawford, No. 20, with his beloved team in 1947, left, and today at his home in Kingston.

“The players went down on the knee in a semicircle in ‘pay-attention mode,’” Mr. Descent says.

“Stu talked about his war experiences and how it relates to hockey. You could just see in the boys’ faces, all the respect and the admiration they had for him.

“Then they all went up and personally introduced themselves. To say Stu was overwhelmed would be an understatement.”

— By Blair Crawford

The Honour

Chancellor Murray Sinclair named to Order of Canada

Queen’s University Chancellor Murray Sinclair (LLD’19) has been named a Companion of the Order of Canada.

The 15th chancellor of the university, his appointment was one of 135 announced Dec. 29 by Gov. Gen. Mary Simon. The list includes five other members of the Queen’s community.



PHOTOGRAPH COURTESY QUEEN'S ARCHIVES

Chancellor Sinclair has had a distinguished career, including being appointed Manitoba's first Indigenous judge. The retired senator is perhaps best known as chair of the Truth and Reconciliation Commission, overseeing its groundbreaking final report in 2015.

He has received honorary doctorates from 14 universities, including Queen's in 2019, and serves as general counsel to Cochrane Saxberg LLP, Manitoba's largest Indigenous law firm.

His appointment to the order recognizes his commitment to the representation of Indigenous legal issues and his dedication to reconciliation between Indigenous and non-Indigenous Canadians.

The Order of Canada is one of the country's highest civilian honours. Other Queen's community members named to the 2021 list of recipients:

• *Dr. Connie J. Eaves (Arts'64, MSc'66)*, *officer*: For her work advancing our understanding of cancer development, and leadership nationally and internationally in stem-cell biology.

• *The Honourable Justice Hugh L. Fraser (Arts'73, Artsci'74)*,

officer: For his contributions to Canadian sport as an internationally recognized expert in sports law and as a former Olympian.

• *Graham Farquharson (MBA'69)*, *member*: For his work in developing and managing Canada's first mine north of the Arctic Circle and his innovative leadership and philanthropic support of community organizations.

• *Patricia M. Feheley (Artsci'74)*, *member*: For her long-standing contributions to the Canadian art scene and her promotion of Inuit art and culture.

• *George M. Thomson (Arts'62, LLB'65)*, *member*: For his innovative approach to leadership as a judicial educator and mentor and for his significant contributions to family law in Canada.

The Accolade

Queen's commitment to sustainability earns award

Queen's has won an award for its efforts to reduce the university's greenhouse gas emissions. Sustainable Kingston has bestowed Queen's with the 2021 Greatest Overall Greenhouse Gas (GHG) Emissions Reduction Award, recognizing its decrease in emissions by 6,023 tonnes.

The milestone is one of several in environmental stewardship that Queen's reached in 2021. Others included the university's impressive first in Canada and fifth in the world ranking in the Times Higher Education 2021 Impact Rankings for advancing the United Nations' Sustainable Development Goals.

Queen's also announced in October it had achieved a 35-per-cent reduction in emissions between 2008 and 2020, showing the university was on track to reach net zero emissions by 2040 through the Climate Action Plan.



▲
Chancellor
Murray
Sinclair,
LLD'19, at
his home in
Manitoba

"It's extremely gratifying to the university to have achieved that goal and to be recognized for this," said Principal Patrick Deane in a video accepting the award. "It fits very well into our overall commitment to sustainability."

Sustainable Kingston is a non-profit that supports the Kingston community in achieving its vision of becoming Canada's most sustainable city. Each year it recognizes local institutions or organizations that are working against environmental degradation to create a more sustainable future.

The Initiative

Queer Alumni Chapter launches

Several alumni have joined forces to create a queer alumni chapter at Queen's.

Stacy Kelly (Artsci'93), a former staffer who helped launch the

PHOTOGRAPHS BY (BELOW) JOHNNY C.Y. LAM; (RIGHT) SKYE SPENCE



Queen's University Association for Queer Employees in 2005, saw the great work being done by the Queen's Black Alumni Chapter and Queen's Indigenous Alumni Chapter and wondered why there wasn't an equivalent group for the LGBTQ community, much like there is at many major U.S. universities.

It seems other alumni were asking the same question, so they joined forces and worked with the Alumni Relations department to start the Queen's Queer Alumni Chapter.

Calls for more equity and diversity prompted by the Black Lives Matter movement and Canadian residential school headlines fuelled the motivation for some chapter organizers to help the LGBTQ community.

The chapter aims to focus on socializing and networking, as well as advocacy work to help LGBTQ members of the Queen's community feel welcome and safe. It also wants to take an active role in fundraising and establish a bursary for LGBTQ students.

The Endowment

\$1M gift supports Indigenous STEM students

Queen's will be able to provide ongoing support for its new STEM: Indigenous Academics



(STEM:InA) program, thanks to a \$1-million endowment established by alumnus Norman Loveland (BSc'65 (Civl)) and his wife, Gay.

The Lovelands are long-time champions of Queen's engineering programs and chose to support this program – an academic support and community-building program for Indigenous students enrolled in Science, Technology, Engineering, and Math (STEM)-based undergraduate degree programs – through the Faculty of Engineering and Applied Science.

STEM:InA aims to create a strong and successful community of Indigenous STEM students at Queen's through services, programming, and events. It also works to alleviate the isolation felt by many by building a distinct Indigenous STEM community.

"This endowment from the Lovelands will truly help us create a strong and successful community of Indigenous STEM

▲
Alumni launch the new Queen's Queer Alumni Chapter.

▼
STEM:InA students in a new outdoor study space at Stauffer Library, August 2021.

students here at Queen's," says Vice-Principal (Advancement) Karen Bertrand. "This initiative provides Indigenous students with the social and academic foundation they need to thrive and make a positive impact on the world, and this endowment makes that possible."

The Announcement

The new Stonecroft Artist-in-Residence

Sri Lanka-born artist Rajni Perera has been announced as Agnes's 2022 Stonecroft Artist-in-Residence. Working in painting, sculpture, textile, and mixed media, Ms. Perera explores diasporic mythology, gender politics, and the immigrant identity through the lens of science fiction imagery. Her work has been exhibited in Toronto and Montreal, as well as internationally, and she has been shortlisted for the 2021 Sobey Art Award – one of the world's most prestigious contemporary art prizes. For her Stonecroft residency, Ms. Perera is working on an important commission for Agnes in collaboration with students in the Queen's BFA program.

The Recognition

Honouring the Bader family

As it announced three new gifts from its most significant donors – the Bader family and Bader Philanthropies, Inc. – Queen's also recognized them by proclaiming Nov. 15 Bader Day.

The honour commemorated the 80th anniversary of the arrival of the late Dr. Alfred Bader (BSc'45, BA'46, MSc'47, LLD'86)



PHOTOGRAPH BY MELANIE HOWARD



An artist's rendering of Edward Burzynsky's public art piece, *Standing Whale*.

on campus, inaugurating an ongoing relationship between the university and the Bader family that has been marked by a series of transformational gifts.

"The philanthropic impact of the Bader family and Bader Philanthropies, Inc. at Queen's is unparalleled," says Vice-Principal (Advancement) Karen Bertrand. "These most recent gifts will put our students on the forefront of training and research in the fields of art history and art conservation while supporting our mission to advance Indigenous initiatives at the university."

Continuing a philanthropic tradition that began in 1948, the latest series of gifts from Dr. Bader's wife, Isabel (LLD'07), and Bader Philanthropies, Inc. aid Queen's mission to advance research and knowledge and, as

such, include:

- 12 paintings to Agnes Etherington Art Centre. The paintings, all from the Dutch 17th century, include still lifes, Biblical scenes, and scenes from daily life.

- Nine Leica S9i microscopes to help students in the Queen's Art Conservation program examine and treat cultural artifacts.

- Funding for the Outdoor Gathering Space, modelled after an Ojibway round house, and endowing a new full-time, permanent curator of Indigenous arts and culture at Agnes.

The family and Bader Philanthropies, Inc. have been among Queen's most significant donors, gifting the 15th-century English castle Herstmonceux, home to the Bader International Study Centre; providing \$31 million in support of the Isabel

Bader Centre for the Performing Arts; a lead gift of US\$40 million in support of Agnes Reimagined; more than 500 paintings and works on paper to the Agnes Etherington Art Centre; and funding a variety of student awards.

Bader Day saw a visit to campus by members of the family and the conferring Nov. 17 of an honorary degree on Daniel Bader.

The Homage

A new partnership brings artistic vision to life

Queen's has announced a partnership with world-renowned Canadian photographer, and Queen's Honorary Doctorate recipient (2007) Edward Burzynsky to help realize his new public art piece, *Standing Whale*. The partnership will engage the expertise of students in multiple programs across the Faculties of Engineering and Applied Science, and the Faculty of Arts and Science. Special projects in these programs will be designed to tackle structural and conceptual challenges with the aim of bringing this artwork to life in a public setting.

"My hope is that this public art sculpture, *Standing Whale*, will become a true Canadian statement: one that symbolizes our commitment to protecting the environment, our cultural institutions, and heritage," says Burzynsky. *Standing Whale* is a true-to-size, 75-foot artistic re-imagining inspired by the story of a pod of North Atlantic blue whales that perished in an unprecedented ice event off the coast of Newfoundland in 2014. The North Atlantic blue whale, like so many other species worldwide, is at risk of becoming a casualty of the climate crisis and *Standing Whale* acts as an homage to and lament for this loss. 🐋

True North

With Indigenous partners, BEARWATCH is shaping how research is conducted in the Arctic

TOM SPEARS

When scientists from Canada's south consulted Inuit hunters about Arctic research, they learned that many northern residents didn't like how scientists do research on polar bears.

The Inuit, who had historically been excluded from polar-bear management practice, did not support many of the techniques being used – low-flying planes, tracking with radio collars, and biopsy sampling that caused the bears undue stress.

But the wide-ranging bears provide important information and are key indicators of Arctic ecosystems and climate.

Luckily, there's a new, non-invasive tool to study them: their scat (or poop). Indigenous partners are compensated to gather samples and share their knowledge of the animals and terrain.

Researchers Stephen Lougheed and Peter Van Coeverden de Groot (both Biology) and Graham Whitelaw (Environmental Studies/Geography & Planning) lead BEARWATCH, a multi-year Genome Canada/Ontario Genomics supported monitoring study across Canada's Arctic. It has links to other Arctic nations in an effort to contribute to polar bear management across the polar region – and involves many collaborators at Queen's and other institutions.

"The Arctic is changing, and it seems to be changing faster than even the most pessimistic models anticipated," Dr. Lougheed said.

Scat contains intestinal cells with DNA that identifies individual bears,

►
The hamlet of
Gjoa Haven, King
William Island,
Nunavut.





Polar bear off Southampton Island, southwest of the community of Coral Harbour.

Queen's PhD candidate Saskia de Wildt at a fishing weir on King William Island near the community of Gjoa Haven.



which helps the study of population size and where bears are moving.

Samples also reveal bears' diet and how this varies with time and in different regions. For example, one Nunavut bear population lives mainly on ringed seal, but also on harbour seal, bearded seal, muskox, wolf, Arctic fox, herring gull and ptarmigan. Elsewhere, bears also eat beluga and bowhead whales.

Finally, scat can show the "body burden" of certain chemical contaminants and bits of plastic.

And, Dr. Lougheed adds, BEAR-WATCH may help give Inuit partners a meaningful "seat at the table."

"In the past, many Inuit and other Indigenous Peoples have not been fully involved in decision-making," he said.

Now there are possibilities for this to change, and their work, in collaboration with Queen's researchers, will have an impact on the future of the Arctic and the animals that live there. 🐻

Poetry has the power to affect all generations and inspire change, while evoking feelings of love, loss, passion, and much more.

Fiona Tinwei Lam (Law'90) was recently appointed Vancouver's sixth poet laureate for the 2022–2024 term. Dubbed by many “the people’s poet,” Lam is responsible for raising poetry’s visibility and recognition within the city through community programming and outreach.



Ms. Lam’s poetry and prose have been published in more than 40 anthologies (in Canada, Hong Kong, and the U.S.), including *The Best Canadian Poetry in English*, and she has authored three poetry collections and a children’s book. She also edited *The Bright Well: Contemporary Canadian Poems About Facing Cancer*, and is the co-editor of and a contributor to the creative non-fiction anthology *Double Lives: Writing and Motherhood* published by McGill-Queen’s University Press, and *Love Me True: Writers Reflect on the Ins, Outs, Ups and Downs of Marriage*, in addition to many other ventures, including working as a creative writing instructor in the Continuing Studies Department at Simon Fraser University.

Her previous honours include being selected for B.C.’s Poetry in Transit initiative three times and shortlisted for the City of Vancouver Book Award. Five of the poetry videos that she has produced, directed, or collaborated on based on her own or another’s poems have won awards in international poetry film festivals over the past decade.

Ms. Lam took time out of her busy schedule to answer questions about why she accepted the poet laureate role for the city of Vancouver, how her law background at Queen’s translates to her work today, and what her goals are for her term.

Tell us about your career path. How do you go from being a law student at Queen’s 30 years ago to Vancouver’s poet laureate?

I’d been writing poetry since I was in grade school, but the flow of poems slowed down once I started university. When I entered law school, the muse simply stopped calling. I articulated, worked briefly in a large law firm in Vancouver, did a master’s in law, worked at the Law Society of B.C., and even tried teaching a law course at Carleton University. Eventually, I decided to follow my gut and leave behind the legal profession, taking non-credit night-school courses at a local college to build up a portfolio of creative writing in three genres in order to apply for admission at UBC’s MFA program in creative writing. There I generated enough poems for my first book of poetry. During that time, I also became a mom. It was a very creative time! Since then, I’ve continued to publish poetry and non-fiction, edit anthologies, mentor writers, and teach creative writing in community settings and for continuing studies programs. Over the past decade, I’ve also explored collaborating with animators and filmmakers to produce and co-direct a number of poetry videos that have been selected for screening at poetry film festivals around the world, including the wonderful Zebra International Poetry

► Fiona Tinwei Lam stands in front of Vancouver’s public art installation, *Spinning Chandelier*, that served as inspiration for a poem about socioeconomic inequality, excessive wealth, and the city’s rampant development.





“Poetry can name the unnameable and render visible the invisible interconnections between us all, retrieving our humanity and compassion.”

Film Festival, the Berlin Interfilm Short Film Festival, Copenhagen’s Nature & Culture Poetry Film Festival, among others.

What does it mean to be Vancouver’s poet laureate?

The Swedish poet Tomas Tranströmer wrote, “Each person is a door to a room for everyone,” and that is how I see my new role, to foster those sparks of poetic potential in people of all backgrounds and from all communities throughout Vancouver, a city in which I’ve lived for over 50 years.

What do you hope to accomplish during your term?

My two-stage Legacy Project involves a poetry contest in 2022 for youth, emerging authors, and established authors about specific historical, cultural, and ecological sites that will provide a greater understanding of the origins and multilayered history of the place we now know as Vancouver. In 2023, there’ll be a contest for film students to make poetry videos and films based on

the award-winning poems, possibly augmented by existing published poems about

Vancouver sites. I’m hoping to stoke the generation of more poetry films in Vancouver and beyond. A magical synergy can arise when poetry and film are brought together. It would be wonderful if this interdisciplinary form would take hold in Canada in the way it has in Germany, the U.K., and the U.S.

Why is poetry visibility and recognition important?

These are challenging times, given the uncertainties and restrictions of the pandemic. There are even greater difficulties ahead with the climate crisis and growing social inequality. Poetry can name the unnameable and render visible the invisible interconnections between us all, retrieving our humanity and compassion. We need to move away from words that destroy and divide, and find words that inspire and connect.

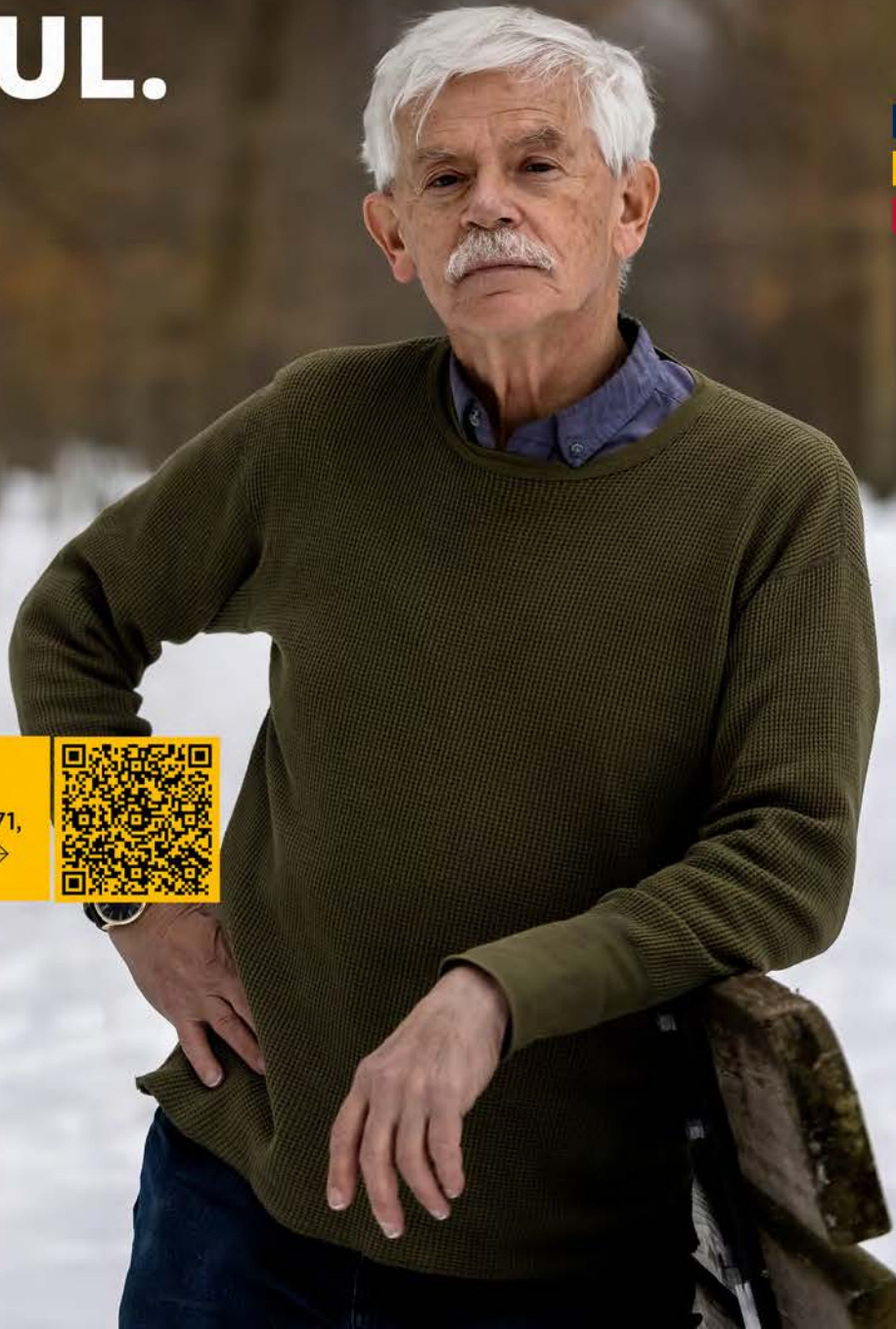
What makes poetry so powerful for you?

Since I was an 11-year-old struggling with my father’s death from cancer, poetry has allowed me to express myself in a profoundly satisfying way. Many others from all walks of life and cultures have discovered self-expression and communal expression through the arts, whether through literature, music, dance, theatre, visual art, film, etc.

Poetry can communicate meaning through metaphor, image, sound and rhythm, and can distil the essence of experience and offer solace, laughter, delight, insight, truth, and more. The best poetry provides a lens – a microscope and telescope – to help us see, understand, and know on a deeper level. It’s why we turn to poetry at graduations, weddings, and funerals or at times of great crisis and uncertainty. — Interviewed by Saige Clark

PHOTOGRAPH BY JENNIFER GAUTHIER

SUPPORTING QUEEN'S UNIVERSITY BIOLOGICAL STATION WITH HIS TFSA WAS A NATURAL FIT FOR PAUL.



Planning makes a difference.

Learn why Paul Thompson, Artsci'71,
Ed'73, MSc'75, Law'80, gave. —>



A toolkit to change lives

Queen's researchers develop new online resource to help patients get virtual care

BY CHRIS LACKNER

The pandemic-driven explosion in virtual health service has left many patients – especially older people – struggling in a brave new digital world. Queen's University researchers have developed a unique toolkit to empower patients to navigate their remote appointments and improve care.

Patients played an integral role in shaping the new online resource, which includes how-to videos, technology tips, and guides for patients/caregivers. In fact, it was a patient who planted the seed of the concept in the mind of Dr. Ramana Appireddy, a Queen's assistant professor in the Departments of Medicine and Public Health Sciences.

It was winter 2018 and the neurologist was working at the Kingston Health Sciences Centre's (KHSC) stroke clinic. During a routine check-up with an elderly patient, he learned about the herculean effort she faced just to be in the same room with him for a few minutes. For starters, she lived in a remote, rural home far from Kingston. Not only had she required snow to be removed from her nearly one-kilometre-long driveway, but she'd hired a driver to transport her to-and-from the city.

"There should be a better way to do this," Dr. Appireddy remembers thinking about such follow-up appointments, which are often short interactions to go over things like simple test results or quickly review medication. "It turns out, there was."

Dr. Appireddy started one of the first virtual stroke prevention clinics in Ontario at KHSC later in 2018. "But we soon came to a realization," he explains. "Patients love the convenience of virtual appointments, but there were not a lot of resources available. They just need some more education, awareness, and understanding about how to do this."

To connect the dots, Dr. Appireddy and his research team needed patient collaborators. Lots of them. They interviewed more than 120 patients, caregivers, and family members, and conducted a national survey. This early examination of digital literacy around virtual



▲
The team (from left), Elizabeth (Lisa) McAvoy, Angela Morin, Dr. Ramana Appireddy, Sophy Chan-Nguyen, Anne O'Riordan, and Veronica (Ronnie) Lloyd

care felt prescient when COVID-19 emerged in early 2020.

"Our whole system was built on the in-person model of care," explains Dr. Appireddy. "The rapid introduction and widespread adoption of virtual care created issues. All the players needed to understand how it worked and how to participate in this model."

That need attracted partners from across the health-care sector. The project was co-funded by the Canadian Institutes of Health Research, Canada Health Infoway, Kingston General Health Research Institute, KHSC, and Queen's Health Sciences.

At best, most health-care providers may offer a virtual appointment brochure or brief online instructions, but Dr. Appireddy-

PHOTOGRAPH BY (INSET) REINIER DESMIT, BRILLIANT EYE



The Virtual Care Access Toolkits have been developed to provide support to improve the virtual health-care appointment experience.

dy's team wanted to develop a comprehensive resource that could help improve any remote-patient experience – regardless of the medical need, institution, or digital platform.

Some key takeaways emerged from their consultations: patients and caregivers wanted choice (whether video, telehealth or in-person care), and – most importantly – they wanted detailed information on how to engage in virtual care safely, securely, and well-prepared.

“Patient engagement ensures the end products will be relevant and needed in health-care today,” says Anne O’Riordan, a patient-partner on the project, part of KHSC’s Patient and Family

Advisory Council, and a retired Queen’s faculty member.

The team focused on meeting the real needs of patients and families, she adds. Their Virtual Care Access Toolkit (VCAT) was completed in 2020 and debuted online for patients at the KHSC this past fall. It includes videos and guides on subjects like “Is virtual care right for my current medical condition?” and “How to prepare for a virtual care appointment”.

The toolkit is especially beneficial to older Canadians who may lack digital skills and experience. “Many don’t have a fundamental understanding of how to interact with a health-care provider by video, by email, or by phone,” Dr. Appireddy explains. “This is something they haven’t done for 70 or 80 years of their lives.”

The toolkit is open access, AODA-compliant, and incorporates Equity, Diversity, and Inclusion principles – thanks to a collaboration with Queen’s University’s Human Rights and Equity Office. It is available in both English and French, and the team hopes to translate it into at least three more languages common in Canada.

But their work is far from over. Their research is slated for publication in the *Canadian Medical Association Journal Open* this year and a toolkit module for health-care providers will be available in April 2022.

They also hope to attract funding to continue a new round of research on the effectiveness of their toolkit. Continuous quality improvement is their goal – not to mention reaching more patients and caregivers by adding more Kingston partners, and then expanding their reach provincially and nationally. And they want to customize their toolkit for different patient populations.

For now, Dr. Appireddy hopes their early work makes the health-care system more effective. The toolkit could be a gamechanger for the average medical clinic. Dr. Appireddy estimates many locations take on dozens of new virtual appointments bookings in a day – with no staff resource available to educate patients on what comes next and how to prepare.

“COVID-19 rapidly transformed the amount of virtual health care in all of our lives,” Dr. Appireddy says. “We were fortunate to have a bit of a head start.”

By leading the pack, his team’s collaborative research could improve the patients’ virtual health-care-experiences far and wide. 🐾

THOUGHTS



When things don't make sense, David Card pulls them apart and puts them together again – and wins a Nobel Prize in the process

by **PETER ROBB** photography by **SMEETA MAHANTI**

BUILT ON

FACTS



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Taking Highway 6 out of Guelph toward Fergus, Ont., you'll pass a small dairy farm that has been in the Card family since the early decades of the 19th century.

It's flat country.

Climb up to the top of the farm silo and look south, and you can catch sight of the CN Tower. If you look closer, you might even see your future.

The oldest of five children born to Edward and Yvonne, David Card didn't see his future mucking a barn full of Holsteins.

"I always say, if you are familiar with working on a dairy farm, all other jobs seem quite good." He chose a different path. It seems to have worked out.

Continuing a decorated career that includes an honorary doctorate from Queen's University and several other major awards, Dr. David Card (Artsci'78, LLD'99) is the winner of the 2021 Nobel Memorial Prize for Economic Sciences, an award he shares with Dr. Joshua D. Angrist of the Massachusetts Institute of Technology and Dr. Guido W. Imbens of Stanford University.

The winners' work "provided... new insights about the labour market and [has] shown what conclusions about cause and effect can be drawn from natural experiments. Their approach has spread to other fields and revolutionized empirical research," the Nobel Prize committee said.

With the late Alan Krueger, Dr. Card found that a 1992 minimum wage increase in the state of New Jersey did not hurt – and may have actually boosted – job growth at fast-food restaurants.

His research on immigration found that a massive influx of Cuban refugees into Miami, Fla., in 1980 had almost no impact whatsoever on the local job market.

Dr. Card's journey to his current post as the Class of 1950 Professor of Economics at the University of California, Berkeley, made a stop at Queen's University.

He says he went to Queen's because one of his great friends, Tim Runge (Com'78), was going. They remain close friends.

He started with physics, but "special relativity wasn't really working for me.

"My girlfriend at the time was taking economics and I was giving her some help with some formulas. There was a famous textbook she used by Richard [Dick] Lipsey who was at Queen's. Actually, I took a couple of courses from him.

"I started reading the text and I thought it was pretty good, so I ended up taking an economics class."

It struck a chord.

The economics department in the mid- to late '70s was small, with many young faculty members and a select



“

IT WAS ONLY AFTER CLASS THAT [DR. CARD] WOULD COME UP AND ASK A PRECISELY POSED QUESTION. THAT WAS WHEN I STARTED TO NOTICE I HAD A PHENOMENON ON MY HANDS.”

Dr. Charles Beach



number of talented students such as Stephen Poloz, former Bank of Canada governor. Dr. Card outshone them all, eventually winning the Prince of Wales Prize as the top student at the university in 1978.

Two of the professors he studied with remember Dr. Card as the kind of student rarely seen, if ever, in a teaching career.

Dr. Michael Abbott (now retired) was Dr. Card's honours thesis adviser, then in his fourth year of teaching at Queen's. He says he never had an easier supervision.

"I thought there has got to be something that's going to go seriously wrong here." But it never did.

He realized too that "I may never be associated with a student as good as, let alone better than, David Card. I would still say that right now."

Professor emeritus Dr. Charles Beach says he remembers telling his father – also an emeritus economics professor at McGill – that his research assistant was a rare talent. His father was skeptical, but Dr. Beach was right then and now.

Dr. Beach still has a desk plaque Dr. Card made for him at a General Motors plant in Oshawa that says "Economist at Work."

As a student, Dr. Beach says, Dr. Card was quite modest.

"The first time you had a course

▲
David Card on the campus of the University of California, Berkeley, where he is professor of economics.

with him, you wouldn't know him right away because he never said anything in class. It was only after class that he'd come up and ask a precisely posed question. That was when I started to notice I had a phenomenon on my hands."

Dr. Card says, "I'm not a big believer that everyone has to talk."

He also displayed a quick, quiet wit and a real "get-on-with-it" practical and positive demeanour, Dr. Beach says.

Both Drs. Abbott and Beach had PhDs from Princeton and felt Dr. Card was an excellent candidate for graduate studies at the prestigious university.



So, independently, they wrote glowing letters backing Dr. Card. So glowing, in fact, they were questioned by their mentor, Orley Ashenfelter, a leading American labour economist. The two stuck by their assessments.

Dr. Card excelled at Princeton and after graduation he joined the faculty at the University of Chicago, where he stayed for a year until

Princeton came calling with an offer too good to refuse.

In those years, Reaganomics was still giving the free market full rein.

But in the study of labour economics, a revolution was building, led by Dr. Card, among others.

“The common term for it is the Credibility Revolution. He devised new ways of using the kind of data the world presents to us to provide

more credible empirical evidence on whether there are causal relationships between certain events such as a policy change – the minimum wage for example – and the outcomes experienced by workers,” Dr. Abbott says.

He adds that Dr. Card’s genius has been to find situations in which he could apply the kind of natural experiment techniques that mimic



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Dr. David Card

the randomized trials conducted in medicine.

“The most important thing for successful research,” Dr. Card says, “is to compulsively try to understand what is going on at a level that is a little bit deeper than most people do in most of their lives. It’s more like taking apart a transmission. You have to take it apart and put it back together.

“You look at something and say, ‘This doesn’t make a lot of sense, how does it work?’

“I’m not necessarily trying to solve a problem; I’m more trying to figure out what’s going on when superficially something doesn’t seem to make a lot of sense.”

This is what Dr. Card was doing when he examined the impacts of immigration and minimum wages.

The results sparked a lot of outrage. Some of the attacks were vitriolic and long-lasting.

For Dr. Card, ideology is just not helpful when you are trying to truly understand something. You need to get the facts, as best you can, and present the results. What people do with that information is up to them.

“I don’t presume anybody is going to follow along. It’s not what economists would say is my advantage,” he says.

“A lot of conventional wisdom is deeply ideological. I am a bit more liberal than most people, first of all.

“[But] I think lots of times conventional wisdom is more of a religion than an understanding. It’s more a set of folk stories we tell ourselves to make ourselves feel good, especially in economics.”

Dr. Card has carried on in this vein, at Princeton and then, when his partner, Cynthia Gessele, revealed a yearning to move to California, at Berkeley.

These days, he maintains a home in town and bikes to work, not needing the plumb parking space awarded to Nobel winners. And, as much as possible, he is at a second residence in Sonoma, in wine and walnut country, where he can often be found tuning up a tractor or woodworking, a passion that started in earnest in 1990. Dr. Card takes chunks of locally grown claro walnut from trees removed from nearby groves and turns them into furniture, bowls, and other items.

He is 65 now and will likely soon find his own seat as an emeritus.

In the intervening time, he says he will tackle another of the thousands of questions in economics: understanding why immigrants to Canada turn to self-employment.

“Although a lot of people are aware immigrants are much more likely to be self-employed, it’s not clear exactly how that process works. Some who are self-employed are doing that out of desperation” while others choose self-employment “with the hope of it turning into something big. It’s hard to distinguish between them. We’ll see if we can do that.” 🙌



THE
MAGIC
of
EVERYDAY
OBJECTS

DR. SARA NABIL AND HER TEAM LOOK AT
PHYSICAL OBJECTS – INCLUDING TECHNOLOGY –
IN A DIFFERENT, MORE INCLUSIVE WAY.

BY MATT HARRISON
Photography by Johnny C.Y. Lam





Imagine you could monitor your household's water consumption by glancing at a painting of a waterfall and noting how much water was cascading onto the rocks below. No longer just a painting, this interactive home aesthetic might also encourage your household to think more about water usage – perhaps resulting in behavioural changes.

And what if a lamp could do the same, but with regard to energy consumption? A

glance at its interactive shade could inform those living in the home about how much the lamp had been used and, consequently, provide a visual indication of the household's energy consumption.

Aside from prompting us to think about our use of precious resources such as water or energy, what potential could these items have for the psychological state of our homes? What if, for example, a rug could sense the level of noise in the house – particularly the screaming, crying, loud or harsh language – and, over time, visualize this information by changing its shape? A flatter rug might reflect an atmosphere of tranquility, while a crinkled-up, contorted rug might reflect a more turbulent household. Could this provide a visual prompt for the household to modify noise levels?

These are just a few examples drawn from an IKEA-like catalogue filled with household objects that “sense and interact in order to visualize unseen data and behaviour of family members,” says Dr. Sara Nabil, who has a PhD in human computer interactions (HCI) computing and is an assistant professor at Queen's University's School of Computing as well as head of the university's iStudio research lab.

Decoraction: A Catalogue for Interactive Decor of the Nearest-Future is a collaborative project between Dr. Nabil and Dr. David Kirk, professor of digital living at Newcastle University in the U.K. with the advice of Northumbria Design School's Dr. Julie Trueman. The collaboration took place between 2017 and 2020 and was published in February 2021 at the International Conference of Tangible, Embedded, and Embodied Interaction (TEI'21).

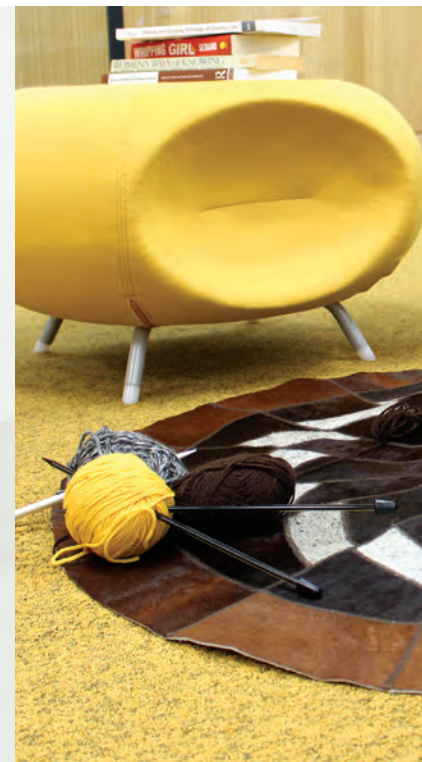
The catalogue explores how interaction can occur between humans and “interactive materials that have sensing and actuating properties,” Dr. Nabil explains – the name itself referring to “decor” and interaction or action of the decor.

“My work with Sara has been

hugely engaging and has given us the opportunity to really push creative thinking around interactive futures,” says Dr. Kirk. “The work on *Decoraction* is truly groundbreaking, opening up discussions around how we might design interactivity into everyday objects and materials. This really opens up the possibilities of how we might interact with technology in the future.”

Decoraction uses “pre-existing technology,” often aesthetic objects in the home, such as wall hangings, lampshades, objets d'art, furniture and rugs, and “intersects them with

“I’VE ALWAYS BELIEVED THAT TECHNOLOGY SHOULD BE ABLE TO CHANGE TO ADAPT TO US... I SHOULDN’T BE CHANGING MY ACCENT SO THAT ALEXA CAN UNDERSTAND WHAT I’M SAYING.”



recent aesthetic IoT devices [internet of things devices, such as smart appliances],” explains Dr. Nabil. This might include using sensors, conductive thread that transmits data/energy, or thermochromic pigments and photochromic paints that change properties with heat and light.

What *Decoraction* does not include? Gears, motors, or bulky wires. Rather, the technology providing the interactivity is woven seamlessly into the objects.

For example, in *Decoraction*, Dr. Nabil and Dr. Kirk designed Despot, a lamp with spots painted on the shade’s fabric in blue thermochromic paint, which disappear when heat emits from the lamp’s bulb. As the catalogue notes, “the more spots vanish from the lampshade, the more it raises occupants’ awareness of their energy usage.”

The aforementioned painting that responds to the home’s water use – this is drawn from the *Decoraction* catalogue as well, referred to as Waterfall, which is, as one might expect, a picture of water cascading

PHOTOGRAPH (BELOW) COURTESY OF SARA NABIL



→
Dr. Sara Nabil in the Interioraction Design Studio (iStudio) Lab.



←
Prototype of a colour-changing smell-interactive wall-art painting, designed by Xinyu Chen, one of Dr. Nabil’s students and iStudio Lab member.

CONVX, a shape-changing pouffe with pressure-sensitive fabric that slowly concaves on its side when an object is placed upon it.

LITRER, a shape-changing rug that deforms when loud or high-pitched noises are detected.

onto rocks. As Dr. Nabil explains, the artwork could be connected to a smart meter in the home that measures household water consumption. The readings from the meter are accessed by actuators in the painting, which alter the cascading water displayed through the use of thermochromic paint. The meter’s readings relay information to the painting; this data heats or cools the wall art, and the heat-sensitive paint responds to the change in temperature. In doing so, the painting displays more or less water.

One might be curious as to the style of the painting, since the aesthetic value of the object in Dr. Nabil and Dr. David Kirk’s approach in *Decoraction* is not overlooked. As the catalogue states, “This multifaceted painting relies on an impressionistic approach that is better suited to interior aesthetic experiences.” Think French impressionist Claude Monet.

“By weaving interactivity into these artifacts, we have to think about aesthetics; otherwise they wouldn’t be acceptable to the potential owners, but also importantly the interactivity seems to enhance and extend the aesthetic potential of the artifacts,” explains Dr. Kirk about the relationship between interactivity and aesthetics.

As for the rug that reacts to noises, it’s called Litrer in the *Decoraction* catalogue, which explains that it “responds to ambient sounds, specifically high pitches of loud voices or noises ... deforms as a whole ... then relaxes, leaving behind small parts that are kept deformed.” The rug’s ability to react to noise is achieved through the use of shape memory alloy wires sewn underneath it. These thread-like wires correspond to degrees of sound pitch. In this example, the rug is programmed to respond to noise through high pitch detected by a sound sensor, causing the wires to heat and deform, while a lack of noise causes the wires to relax and the rug to

slowly return to its original shape. The possibility that Despot, Waterfall, and Lither can support self-reflection and self-care touches on another aspect of Dr. Nabil's research, which is present throughout the *Decoraction* catalogue, but is also one that she is researching at Queen's University: "What would all of this seamless interactivity with everyday objects be useful for?"

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ince she was young, growing up in Cairo, Egypt, Dr. Nabil has asked herself, "Can decorative objects do more than simply play an aesthetic role?"

"Since I was a child, I wanted to be a designer. I ended up studying computing instead," she says with just a hint of regret, noting that both her parents are architects and that they discouraged her from the field, claiming it "wasn't the thing now."

Instead, she took up computer science, eventually working with various tech companies.

"I loved coding, but there was something empty in my heart. I was considered by my peers to be successful, but I was not happy. I always loved the design of decorative things. At some point I wanted to bring my two selves together – my designer and my developer selves."

Dr. Nabil eventually formed a PhD proposal to blend technology with the physical environment of interior design, which was accepted and fully funded by Newcastle University. This produced *Decoraction*.

"People see decorative objects as beautiful things... I see much more than that. They support our well-being; they express who we are and our identity and our personalities; they tell stories and shape memories; they work for the remembrance of loved ones," she explains.

This may have been especially acute during COVID-19, when the planet was confined during lockdowns. In these environments, without social contact, she says people had to rely on the objects around them for emotional support.

Dr. Kirk expands on that idea, saying, "As a species, humans love things. We fill our lives and our homes with them. We have deep and meaningful relationships to the things we own. Why would we not want to hybridize them, making them part physical and part digital? They could offer so much more with a layer of digital interactivity woven through them, enhancing our relationship to them,

personalizing them further, giving them memory and the dynamic ability to respond to us. There is a real possibility of being able to instil a little bit of everyday magic into the objects around us – a little bit of enchantment makes the world a better place."

As *Decoraction* demonstrates, household objects can do more – should do more – and not just for those living in a household, either. Dr. Nabil's research includes designing with marginalized groups in order to assess how objects, innovations, and even fabrication technologies (think 3D printers, laser scanners, etc.) might impact them and their community.

"A lot of our work explores empowering underrepresented people and communities," she explains.

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Tactile, thermochromic-painted tiles that change colour from smokey dark blue to floral geometric patterns in response to heat or touch.

“THERE IS A REAL POSSIBILITY OF BEING ABLE TO INSTIL A LITTLE BIT OF EVERYDAY MAGIC INTO THE OBJECTS AROUND US...”



PHOTOGRAPHS (BELOW) COURTESY OF SARA NABIL



“Diversity and inclusion is required for this process to bring to our team new members who have a widened perspective. ... Those with different identities and backgrounds.”

Presently, Dr. Nabil and her team are exploring advanced techniques for everyday embodied interaction thanks to a Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery grant received in 2021, in addition to a generous Discovery Launch Supplement grant.

The university was especially helpful in acquiring this grant, says Dr. Nabil, adding that Queen’s is very supportive in helping faculty apply for funding grants from federal and provincial governments.

“These grants... require different kinds of writing,” she explains, citing the differences between writing grant applications for NSERC compared with those for the Social Sciences and Humanities Research Council (SSHRC). “Otherwise, I would not have been able to get all of those funding applications approved,” she says.

One application of this research could be related to museums, says Dr. Nabil. Currently, the focus is on everyday objects, particularly in

↑ Machine-sewing multitouch-sensing fabric through digital embroidery and conductive threads, designed by Tim Lampen, one of Dr. Nabil’s students and iStudio Lab member.

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She gives the example of a student of hers, an immigrant to North America, who told her that Alexa – virtual assistant technology that answers questions through voice recognition – could not understand him or his wife, only his children. In this example, the immigrant parents have had to adapt to the technology, not the other way around. She points out that this example illustrates that the relationship between humans and technology is currently tipped in favour of the technology.

“I’ve always believed that technology should be able to change to adapt to us ... I shouldn’t be changing my accent so that Alexa can understand what I’m saying,” says Dr. Nabil, who says her team aims to “empower people” by looking at physical objects in a different, more inclusive way.

“[Technology] should be designed to support people’s well-being, their self-care, their self-reflection, self-connection, and social engagement; to feel good about themselves, not focus-demanding, not intrusive. The current technology that helps people to stay connected actually causes them stress. What if something’s more touching than alarming, more emotional than intrusive?” she asks.

It’s another question in a series of questions – but it’s these questions that propel Dr. Nabil and her team as they explore the relationship between humans and technology, between us and everyday objects. In doing so, she asks that we demand more from these relationships, and wonders what possibilities and potential may be revealed if we do so. 🐘

Dr. Nabil has also been exploring the potential of weaving conductive threads into fabrics to transmit sound. Read more about this exciting research on the Queen’s Alumni Review website.

relation to inclusive communities – that is communities that provide equal opportunities for everyone.

Her latest research draws on previous work with people with visual impairment, who have been left out of the conversation regarding handheld devices and security.

A solution? Bendable phones.

“Instead of typing in a password, what if you could bend the edges of your phone in a certain pattern and that could be your PIN?” she asks.

Working with 16 participants with visual impairment, the team created and tested a prototype called BendyPass. Roughly the size of an iPhone, it’s made from silicone and has five sensors. Users create passwords by bending or folding the four corners, and/or pushing a button in the centre of the BendyPass. The team found that not only were bendy passwords as easy to input and as secure as regular PINs, but they were faster to put in.

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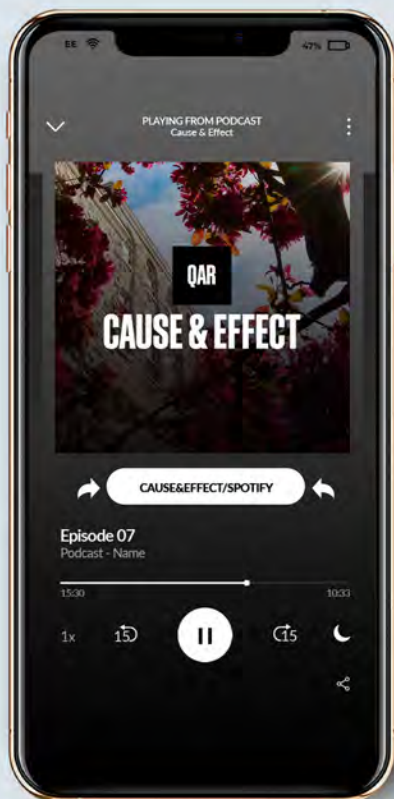
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The Queen's Alumni Review Podcast

CAUSE & EFFECT IS NOW LIVE!

→ Join Queen's Deborah Melman-Clement as she sits down with philanthropists and explores what they're passionate about and the impact they have on our world.

Listen to an episode today.



OFF CAMPUS



First Up

Omar El Akkad

AWARD-WINNING
JOURNALIST AND AUTHOR

*Omar El Akkad always wanted to tell stories, but when he was growing up in Qatar, fiction writing was not seen as a viable career. He moved to Canada as a teenager, and studied computer science at Queen's, but it was his work at the university's student newspaper that set him on the path toward becoming an acclaimed novelist. El Akkad won the 2021 Scotiabank Giller Prize for his most recent book, *What Strange Paradise*.*

Whatever the opposite of natural salesmanship is, I have that. When I was 16, I got a job at a call centre in Montreal. We sat around all day making cold calls, trying to get businesses to pay to be part of a directory. The whole thing was almost certainly a scam, and I lasted exactly one afternoon before I quit. It didn't take long to realize I was not going to be any good at it.

The first job that actually stuck was at the *Queen's Journal*. One day, I was wandering around campus and saw a job advertisement for an assistant news editor. I had no idea what an assistant news editor does, but I knew it would involve writing, so I applied. For some reason, they decided to give me the gig. As soon as I walked into the building, I felt like I was part of something. I ended up spending my entire university career there, and worked my way up to editor-in-chief. The *Journal* gave me access to a community — a place where I felt at home.

On a technical level, I got an education in computer science. But →

→ I never went to class, and I was very bad at it. The student paper was where I really got an education. The experience helped me get journalism jobs at the *Edmonton Journal* and the *Globe and Mail*, and that let me witness the first draft of history. I went to Afghanistan and Guantanamo Bay; I was in Egypt during the Arab Spring. I don't think I would have seen history being made first-hand in any other context. The residual experiences from my time as a journalist have shaped me as a novelist in almost every respect.

I learned to observe details by being around other writers. The first time I ever found myself in that context was in Professor Carolyn Smart's creative writing class at Queen's. We were all young, so we were writing about the same things. Very few of us had gone anywhere or done anything interesting. And you see what other writers are picking up on, what they notice that you did not.

Once I got into journalism, I was at the bottom of the ladder, and found myself covering stories that weren't particularly ground-breaking. And you have to figure out how to differentiate yourself from the 10 other journalists covering the same story. One way to do that is to have an eye for detail – to try and pick up on the small things that might otherwise go unnoticed. That creative writing class really hammered home the importance of small details.

I remember going to Guantanamo Bay, and walking the shoreline of the naval base. There were iguanas everywhere, and you start to wonder why. Then you realize this species is protected by the base, and inevitably end up comparing their protections to the ones the detainees have. After a while, you stop thinking about the stories in terms of a headline, and start thinking about the smaller pieces beneath that headline. War is this giant, all-encompassing term, but if you are going to write about the human side of it, you will inevitably find yourself gravitating towards the fine details of the place and of what it means to live through something like this. — As told to Ty Burke

▶
Rebecca
Clifford,
Artsci'97

THE BACKSTORY



“I finally found what I was meant to do”

Rebecca Clifford's book about child Holocaust survivors garners critical acclaim.

Rebecca Clifford (Artsci'97) went through several careers after graduating from Queen's with a history degree. She taught English as a second language in Japan and Italy and did diplomatic work in Beijing with Global Affairs Canada.

She found her calling at the age of 30 when she went back to school and earned a PhD from the University of Oxford and is presently a history professor at Durham University in England.

Now add the title of “acclaimed author” to her resumé as her latest book, *Survivors: Children's Lives After the Holocaust*, is earning high praise from critics and readers.

The *Globe and Mail* and the *Daily Telegraph* both named it one of the best books of the year, and Dr. Clifford was a finalist for a top international writing award, the \$95,000 Cundill History Prize. She was also shortlisted

for a major British history writing award, the Wolfson History Prize.

“After a lot of career changes, it feels like I have finally found what I was meant to do,” Dr. Clifford says.

Survivors looks at 100 Jewish children and focuses on the long-term impact of the Holocaust. She says it is a victory that most of these children were able to move on – working full time and raising families – despite their trauma.

This is the historian’s third book. What makes *Survivors* different is she intentionally wrote for a broader, non-academic audience.

“Like all good academic writing, it has an argument, methodology, and theoretical content,” says Dr. Clifford. “So, what I had to learn was to never put those things in the centre of the book and to always push them to the margins. What is central is people’s stories and I found it so liberating to write that way.”

Dr. Clifford was born and raised in Kingston and has always been a fan of historical writing. She grew up reading *Anne of Green Gables*, set in late 19th-century Canada.

Her love of history flourished while studying at Queen’s and she remembers being inspired by professors such as Geoff Smith, who recently passed away. She recalls Dr. Smith teaching a lesson about beat poetry by standing in front of the class with a lit candle on his head and hot wax dripping on his face as he read Allen Ginsberg.

“I remember thinking, ‘That is how you engage students,’” says Dr. Clifford. “[Smith] was amazing and opened my eyes not only to history but to history teaching, which I think about a lot now as I teach my own students.”

Another transformative Queen’s experience was attending the Bader International Study Centre. Studying abroad in a 15th-century castle sparked a love of travel and England, the country she now calls home.

“I had never been in a building as old as [Herstmonceux Castle],” Dr. Clifford says. “Something struck me about England that, to this day, I have not stopped appreciating.”

— By Michael Ones

New content from faculty and alumni



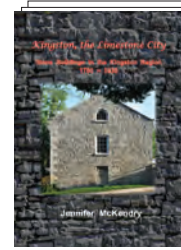
01

Ashwini Vasanthakumar, a Queen’s Law associate professor, explores the complex, but often-vital relationships between exiles and their homelands in *The Ethics of Exile: A Political Theory of Diaspora*, from Oxford University Press. Through a series of case studies, she illustrates how exiles often play important moral and political roles in countering injustices in the countries they’ve left, and asks her readers to think about the responsibilities we have toward those who have been forced to leave their homes.



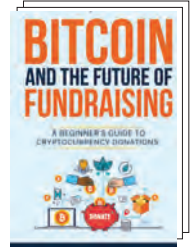
02

A few years after earning their medical degrees at Queen’s, **Dr. Garry Willard (MED’63)** and **Dr. Kenneth Bradley (MED’63)** became the first two Canadian medical officers deployed in the Vietnam War, performing combat-casualty surgeries near the Demilitarized Zone in the wake of the Tet Offensive. Dr. Willard details their adventures in *Into the Dragon’s Jaws: A Canadian Combat Surgeon in the Vietnam War*, a candid, dramatic, and often heart-warming look at the human consequences of war, published by Tellwell Talent. A portion of the proceeds will go toward post-traumatic stress disorder research and treatment.



03

Architectural historian **Jennifer McKendry (MA’84, PhD, Toronto)** has carved out a reputation as an expert on Kingston’s historic architecture. So it was only a matter of time before she turned her attention to limestone, the building material that inspired Kingston’s nickname. In her sixth book, *Kingston, The Limestone City: Stone Buildings in the Kingston Region 1790-1930*, she tackles limestone quarrying and construction methods, stone landscaping, fences, wall construction, and carving. *Kingston, The Limestone City* is available exclusively in the Limestone City at Novel Idea bookstore.



04

Cryptocurrency has had its share of publicity over the last few years, but its impact on the non-profit sector is less widely known. Is Bitcoin a viable fundraising tool? Not only does **Anne Connelly (Artsci’07)** think it is, she’s also convinced it’s the technology that will take fundraising into the future. In *Bitcoin and the Future of Fundraising*, co-authored with Jason Shim, she introduces fundraisers to the world of cryptocurrency and outlines an easy-to-implement plan to set up a Bitcoin donation program and get donors excited about using it.





1
**ABERDEEN
 STREET**

BUILDING
 Three-storey
 brick, c. 1912,
 built on old
 baseball field.

STYLE
 L-plan with a
 short wing and
 arch windows
 in gables.



Former residents
 of 1 Aberdeen St. in
 the '70s.
 Top row:
 Martha Scandrett,
 Mary Chaput.
 Bottom row:
 Shelagh McDonald
 Drury, Kim Lesage,
 Janet Tate, and
 Kathy Scales.

Hanging out to Fleetwood Mac

BY TONY ATHERTON

There are at least two iterations of the house at 1 Aberdeen St. First is the gracious Edwardian-era brick three-storey at the corner of Earl Street, spitting distance from the Athletics and Recreation Centre. The second resides firmly in the memories of Kathy Scales (ArtSci'78) and the roommates she shared it with 45 years ago.

The latter has an ample side porch on the main floor and a sunroom on the right side of the second-floor

balcony. You can see the ghosts of both features if you look closely at the building today.

The porch off the kitchen was a gathering place in good weather for the six young women who spent a year there in the mid-'70s, as were 1 Aberdeen's balcony and its front veranda. The porch was a place to plug in Martha Scandrett's (ArtSci'77) eight-track and play Fleetwood Mac and Boz Scaggs, entertaining the roommates and whoever ambled by.

Lots of people ambled by 1 Aberdeen; its proximity to campus meant friends were always nearby.

"I don't remember having any crazy parties," says Ms. Scales. "We were more of a drop-in and chill place. It was really casual... just a really great drop-in, sit-on-the-front-porch, sit-on-the-side-porch, come-into-the-kitchen, have-a-drink, have-dinner [kind of place]."

Time, talent, and treasure



Alumni can find optimism and inspiration in challenging times

Year end is often a time of self-reflection, and this was the case this past December for our QUAA Board of Directors – as we came together virtually to reflect on the time, talent, and treasure that Queen’s community members dedicated over the last year to advance the work and goals of the university.

In 2021, countless Queen’s community members volunteered their time to join mentorship and networking initiatives, organize events, participate in working groups, and seek to build a better community. Our alumni volunteers – like Trustees and University Council members – shared their talent by leveraging their expertise to help the university navigate yet another uncertainty-filled year. And lastly, many others – like former QUAA President, Jeremy Mosher (Artsci’08) and his partner, Dr. Andrea Mosher (Artsci’08) – decided to donate their treasure to further support the university and its students.

While Omicron has resulted in a challenging start to 2022, I remain optimistic about the year ahead. One of the reasons I remain optimistic is due to the outstanding resilience, leadership, and innovation I see among Queen’s community members – talent deserving of recognition. After putting the QUAA Gala Awards on pause last year, I look forward to celebrating the 2022 slate of Alumni Award recipients, all of whom embody each of these qualities and more – from philanthropic leadership to health-care advocacy, and exceptional volunteerism.

Another reason I remain optimistic is due to the resumption and reimagining of student activities – as evidenced by the record number of applications we received from student groups in our latest QUAA Grants cycle. In light of the need for support, the topic of philanthropy, or treasure, is unsurprisingly at the forefront of our work as a Board in 2022 – integrating it into Alumni Volunteer Series programming and inspiring a goal of 100 per cent giving participation among various groups of Alumni volunteers.

It is during challenging times like these that we are especially grateful to belong to the Queen’s community. As we continue to navigate the uncertainties of the pandemic, the Queen’s magic is kept alive by the unwavering commitment of all of you. And for all that you do and will continue to do, I am inspired, optimistic, and have much to look forward to in the year ahead.

Sincerely,
RICO GARCIA, PRESIDENT, QUAA

In contrast to many student houses, the main floor was all common space, Ms. Scales remembers. There was a spacious living/dining room with an ornate mirror dominating one wall, a bathroom, and a big kitchen.

“We had a table that easily sat six, and often sat eight or nine,” says Ms. Scales.

The three bedrooms on each of the top two floors varied greatly in size, says Ms. Scales. Her second-floor room was as big as the living room below it, but Shelagh McDonald Drury (Artsci’78) was left with a third-floor garret not much bigger than her bed. In compensation, Ms. Drury was given the second-floor sunroom as a study space.

The roomies, transitioning from two years at Victoria Hall, were thrilled with 1 Aberdeen, all the more because it rescued them from what might have been a disastrous year at another property. The previous spring, they had signed a lease on a smaller Earl Street house, willfully ignoring the fact that there were no electrical outlets on the second floor and the tiny kitchen was painted an alarming shade of red.

“It looked like a murder scene out of a Stephen King novel,” recalls Ms. Scales.

After 1 Aberdeen became available that summer, the Earl Street house was conveniently named a fire hazard – a call to the fire marshal is neither confirmed nor denied – which voided their lease.

Life at 1 Aberdeen was not entirely without adversity, Ms. Scales admits. The winter of 1977 broke records, first for a historic blizzard that slammed Southern Ontario in January, and then for an extended cold snap. “I think I had bronchitis all winter,” Janet Tate (Artsci’78) recalls. “Great memories.”

The roomies came back from their Christmas break to a \$300 oil heating bill, says Ms. Scales, at a time when the weekly grocery bill for all six tenants was \$60.

But it was still a great house, says Ms. Scales. “Unfortunately, it was such a great house, and a great location, that it was purchased the following year by someone’s parents for their own kids, so we only got to live [there] for one awesome year.”

Ms. Scales and some of her roomies found another house on Mack Street for their final year, but it wasn’t same. Their best memories, she says, are all associated with 1 Aberdeen. “We had such a great time there; it was a wonderful time of life.”

▲
[Tell us about the University District house you lived in and the memories you made: review@queensu.ca](mailto:review@queensu.ca)

Conquering a new field

Alumna Rosemary Knight becomes the first woman and only second Canadian to win the highest honour of the Society of Exploration Geophysicists

BY TOM SPEARS

Rosemary Knight was finishing her PhD in geophysics in 1985 when she told her adviser, a leading light in the field, that she wanted to be a hydrogeophysicist.

The Stanford University veteran stared at the young Queen's grad.

"What's that?" he asked.

Dr. Knight went on to establish a new field in science, using geophysics methods to study water quantity and quality underground. She is now the first woman and second Canadian to win the highest honour of the Society of Exploration Geophysicists, the Maurice Ewing Medal.

The common way to study groundwater is through drilling wells, but one well only gives information about a small area. Dr. Knight has developed ways to scan broad areas without drilling. It's like medicine, she explains: Why cut open the patient when you can scan from the outside?

She scans underground from a distance – from the surface, a helicopter, even satellites.

One example: satellites detect the minute rise and fall of the Earth's surface – just millimetres of change – in a farming area of California's Central Valley. The surface drops as farmers irrigate with groundwater and rises when water is recharged during the winter. Another: rows of sensors on California beaches measure electricity underground. This reveals where extracting groundwater has brought in salty ocean

water, because salt conducts electricity better than freshwater.

Born in Wales, raised in Pittsburgh and Southern Ontario, Dr. Knight came to Queen's already interested in geophysics. (She recently found her old Grade 13 guidance workbook, which asked what her parents wanted her to do after high school. "Whatever I want to do," she wrote.)

While at Queen's she met prominent geophysicist Dr. Ed Farrar, who passed away in 2020. She was one of the very first two women to take Dr. Farrar's class, "and he made sure to tell us he wasn't going to change the way he taught or talked." But by the end of the semester he had offered her a summer job doing

“

Dr. Knight has developed ways to scan broad areas without drilling. It's like medicine, she explains: Why cut open the patient when you can scan from the outside?

potassium-argon dating (reading the history of rocks by the amount of these elements in them).

"He said to me, 'You should stay and do your master's with me and then go and do your PhD at some big-name West Coast school like Stanford.' There's the difference a fabulous mentor can make."

At Queen's, she learned to use math and physics to understand Earth processes, but groundwater wasn't yet part of her life.

One summer she had a job with Amoco in Calgary, learning to read data from instruments down a well. In a larger sense, she started to become interested in reading signals to interpret the geology of the subsurface, "and in particular, what is the fluid content?"

"Realizing the huge potential for taking these geophysical measurements that... were commonly made for exploring for oil and gas," she applied them to groundwater.

After getting her PhD at Stanford, she worked at the University of British Columbia until 2000, when a job offer from Stanford brought her back there. She's still at Stanford, though she returns often to the Gulf Islands of B.C.

Setting out in an unexplored field has disadvantages, she says. There are no mentors, no guideposts.

"Now that I'm at the age where I'm mentoring young people, I realize how helpful it is to have people who have worked in the field, who are connected to more senior people."

As well, "you do have to worry about being accepted as a field." Granting agencies still don't know what to do with her.

"It was the environment that I found in geological sciences at Queen's that piqued my interest in research," she says. "I remember very clearly one day working in Ed [Farrar]'s lab, I asked a question, we sat down, and it was four hours later that we got up. The whole experience of one-on-one, faculty-student interaction, mentoring, learning, was just fantastic." 🙌



CLASS NOTES



1950s

Venetia Elliott Crawford

Artsci'59

Venetia is still president of the Pontiac Archives in Shawville, Que. Her son, Allan Crawford, owns Canadian Wilderness Adventures in Whistler, B.C. Her daughter teaches in Blackburn Hamlet, outside Ottawa; she is married to Scott Collins and has two children, Sage and Riley. Sage is helping Venetia write about prehistoric stone structures found in Venetia's neighbourhood.

▲ Winter wonderland: Many alumni would recall Kingston's famous "lake effect" in winter - with gusts of wind and snow blowing through the campus. But when the winds died down, it was time to enjoy the season with friends, as in this undated photo from the archives.

islands in northern Vermont; seven months in Lima (Miraflores), Peru, from November through May; and two months (coming and going) on Fripp Island, South Carolina. Jim has been retired since 2015 after 48 years teaching Spanish and coaching hockey, cross country, and track at Western Reserve Academy in Hudson, Ohio.

Ruben (Butch) Nelson

Arts'61, member of Theology'64

Ruben is still using the extraordinary education he received at Queen's. He has earned an international reputation among those who undertake futures studies in the emerging field of strategic foresight. He is the only Canadian who is a Fellow of the World Academy of Art and Science, the World Business Academy, and the Meridian Institute on Governance, Change, and the Future. He is also a Johnson Award recipient - an honour bestowed by the Queen's Alumni Branch in Calgary. You will find some of his recent videos and his paper on *Civilizational Paradigm Change: The Modern Industrial Case* if you Google "Ruben Nelson civilization."

1960s

Jim Fraser and Rossana Raffo

Arts'61

Jim and Rossana spent July until September on the Lake Champlain



WRITE TO US

The Queen's Alumni Review welcomes comments at review@queensu.ca. All comments may be edited for clarity, civility, and length.



@queensureview



After 20 years in Ottawa, he and his partner, Heather, now live in the Rocky Mountains of Alberta at Lac des Arcs.

1970s



David Fremantle

Com'71

David is now retired, and a widower. He is currently a

double CPA in Canada and Illinois. Previously he was a corporate controller. David lives in Coquitlam, B.C., and likes to spend much of the winter in the southern U.S.

Jim Campbell

Ed'76

Jim has been Director, Development at the Calgary Philharmonic Orchestra since October 2018. This is his first opportunity to work in the world of the performing arts, although he prefers to think of it more as a "dementia prevention program" than an actual job. Jim is looking forward to an anticipated return to live performances and the joy of listening to world-class musicians do what they do so well. In his community volunteer roles, Jim is president of the Alberta Wilderness Association, and also serves on the board of the Centre for Suicide Prevention. Jim can be contacted at jcampbell@calgaryphil.com.

Christian Fabricius

Artsci'76

In 1978, as part of his research in Indigenous land rights for his MA thesis at Carleton, Christian travelled to Australia where, without having ever planned to do so, he attended the law school of the Australian National University. His career highlights in the Australian Public Service included helping draft and implement legislation to set up Australia's sports drug agency, the National Environment Protection Agency, and a national regime for the recognition of Indigenous native title, as well as managing the Aboriginal Land Rights legislation section in Darwin. His final position before retiring was in the Office of the Registrar of Indigenous Corporations, an agency dedicated to assisting Aboriginal and Torres Strait Islander people to set up their own companies to run enterprises like Indigenous health services, sporting clubs, and youth and cultural centres.



1980s

Joseph N. Tascona

Law'83

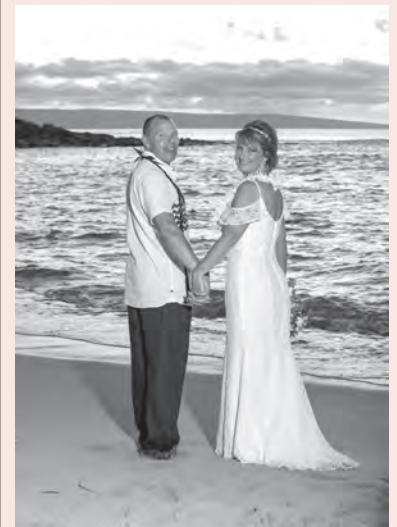
Joseph has been appointed as a full-time member in the Ontario Human Rights Tribunal, performing adjudicator functions.

Leslie Skelding

Artsci'88, Ed'89

Leslie is happy to announce she is enjoying retirement from a 31-year elementary teaching career.

1990s



Sheri Earle

Artsci'93

Sheri married her best friend, Robert Lemire, at sunset on Nov. 14, 2019, on Kapalua Bay Beach, Maui. A few friends and family were in attendance to share in their beautiful day with them.

Amy Johnson

Artsci'94, Ed'95

I just wanted to let folks know that I was recently promoted to System

Principal of Equity & Anti-Racism at the Renfrew County District School Board. It is an honour and a privilege to be able to help our organization get better in the areas of Indigenous education, equity, and anti-racism.

Nick Falvo

Artsci'96
Nick would like to share that he has received the CMHC President's Medal for Outstanding Housing Research (CMHC's highest honour for research excellence). More information on Nick's award can be found online through CBC, Newswire, the CMHC website, or Nick's consulting website.

Michelle Delaney

Ed'98
Michelle has been teaching for the Waterloo Catholic District School Board for the past 23 years. She taught Core French for 15 years, and then started teaching French immersion in September 2017. Michelle was nominated this year by her colleagues for an Ontario English Catholic Teachers' Association (OECTA) award and received the Dedication to Catholic Education Award. In Heather's words, receiving this distinction has been "very humbling and wonderful."

2000s

Laura Moreland

Artsci'00
After a few years teaching and working at Munich International School, and a bit of a break for raising a family and brushing up on my skills, I began to run a private classical teaching atelier in Kingston thanks to my patron Jane Taite Springer. Before the pandemic, I relocated to Guelph, where I have continued to run a private teaching atelier, but with the closures, I have had a lot more



◀ *Bella In and Out*, a painting by Laura Moreland, Artsci'00, shown in the 2021 Newmarket Juried Art Show.

time to paint. Consequently, over the past year I have completed four major pieces and multiple minor works and have several major works on the go. I am also very proud to announce that two of my pieces were accepted for the 2021 Newmarket Juried Art Show: *Bella In and Out* and *My Time Reaching*, which is a self-portrait. You can see more of my work on Instagram at Atelier of Laura Lee Moreland as well as on my website, atelieroflauraleemoreland.com.

Holly Archer

Artsci'08
Holly unveiled her first large-scale public art piece in August 2021. *Sown* stands for the unnamed heroes who shape our community;

▲ *Sown*, a 2021 art installation by Holly Archer, Artsci'08, and Camille Myles, for the town of Midland's King Street Rejuvenation project.

▼ *Chúk Odenigbo with co-founders, Larissa Crawford (left) and Samantha Matters.*



an ode to the underrepresented who are vital to the fabric of our history but remain largely anonymous. The piece acknowledges a flawed past, and yet from this imperfect past there is new growth. The seeds we plant today, the community we build, the opportunities we make for one another will determine our future.

The *Sown* team was composed of Holly Archer and Montreal-born artist Camille Myles, Lafontaine Iron Werks, and fellow Queen's alum Jonathan Killing (Sc'05) of Toque Innovations.

Sumit Madan

MBA'16
Sumit would like to share a job update: Head of Product Operations at Shopify Fulfillment Network.

2010s

Chúk Odenigbo

BA'13
In April 2020, I became one of the founding directors of Future Ancestors Services, an Indigenous- and Black-owned, youth-led professional services social enterprise that advances climate justice and systemic



PHOTOGRAPH BY (BELOW) DON HE

IN MEMORIAM

barrier removal with lenses of anti-racism and ancestral accountability. While centring decolonized and Indigenous practices, we support our clients and community in addressing systemic issues that disadvantage certain groups of people; our connections to land and others; and the well-being of Earth. As an organization that defines our team members as future ancestors, we carry the burden that comes with that title: the responsibility of reimagining and remodelling our societies to welcome people of various identities and ways of being. Our services integrate the notions and values of accessibility, anti-ageism, and anti-racism in both English and French (while we also collectively increase our capacity in Michif-Cree).

2020s



Kimberley Shuya

AMBA'20

Kimberley and Warren welcomed a baby girl, Tia Sophie, on July 20, 2021, in Edmonton, Alta.

Mary Ellen Beamish

BPHE'56, MEd'77

Mary Ellen (Barr)

Beamish, 87, passed away March 17, 2021, at Innisfree

House, Kitchener.



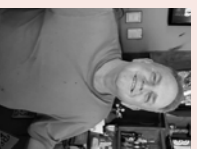
Mary Ellen, survived by her children: Sandra (Greg Hammer), Susan (Kevin Goheen), Charles, and Stephen (Karen Temple-Beamish). Proud grandmother of Kaitlin, Sarah, Maryn (Mart Shanahan) and Paige Hammer; Ben, Casey and Josh Goheen; and Megan (Kasper Podgorski) and Nic Beamish. Mary Ellen, loved by her brother George (deceased) (Peggy) Barr, sisters Margaret Ann (Ross) McFarlane and Alberta Jane (Bob, deceased) McNutt and their families. Mary Ellen is preceded in death by her husband Charles (Chuck) Brouse Beamish. Mary Ellen was a true educator, spending more than 35 years as a teacher, principal, and superintendent within the Northumberland Newcastle/Kawartha Pine Ridge District school board. In addition, she enjoyed golfing, curling, and admiring sunsets at her homes on Moore Lake and in Pinehurst, North Carolina.

Frederick George

FitzPatrick

BFA'78

Frederick George FitzPatrick passed away at his home in Toronto on



March 3, 2021. Frederick was a graduate of Frontenac Secondary School, Queen's University, and the University of British Columbia (MFA). Fred had a passion for art in all forms, from sculpture to architecture, sketching pen and ink drawings to painting. Fred keenly studied art and architecture wherever he travelled, in Italy, Ireland, Morocco, Vietnam, Vancouver, and especially in his beloved city of Toronto. Although Fred began his career as a sculptor, he spent the last 33 years of his life

working as a scenic painter with the American film industry (IATSE) in Toronto. He was predeceased by his parents, James Alexander and Margaret Layton FitzPatrick, and is survived by his cherished son Wesley James FitzPatrick, dear friend Heidi McLeod, brother Terrence James (Nancy), sister Gay Frances Keithly, nephews Adam and Ryan FitzPatrick, Sean Keithly and niece, Margo Keithly.

Robert Alan Fulford

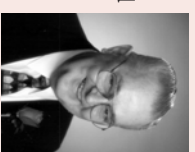
MD'61

Robert Alan Fulford

died on Aug. 28,

2021. Robert was born in Windsor,

Ont., on Sept. 10,



1936. He is survived by his wife Sharon Trent-Fulford, stepson Ian Trent, four children Dr. Susan Pacinda, Sean Fulford, Scott Fulford, Sheila Stein, and their spouses and children. Robert was a medical graduate from Queen's University in 1961. He did post-graduate training at Kingston General Hospital and Montreal General Hospital, becoming a fellow of the Royal College of Surgeons Canada in 1966. He practised in Montreal and Oshawa before moving to Houston in 1974 and starting practice at Kelsey-Seybold. He entered private practice in 1978, then joined Hopespar Orthopedic Group, later taken over by Baylor College of Medicine Orthopedic Group. His final years of practice were spent as a consultant.

Brian Hennen

MD'62

Brian had a highly distinguished career as an academic family physician. Among other positions, he served as head of the Departments of Family Medicine at Dalhousie University and Western University, Dean of Medicine at the University of Manitoba, and President of the College of Family Physicians of Canada. Brian was a leader and mentor in family medicine in Canada and around



Faculty and Staff

ARTHUR COCKFIELD, LAW'93
PROFESSOR

The Queen's community is remembering Professor Arthur (Art) Cockfield, a highly esteemed and cherished teacher, mentor, colleague, and friend. Art died unexpectedly on Jan. 9, 2022, from an unsuspected heart condition. He was 54.

Art was one of the world's leading tax law scholars, a policy consultant, and an innovative instructor, serving most recently as Professor and Associate Dean (Academic Policy) in the Faculty of Law.

"Art Cockfield has left an indelible imprint on laws and policies in Canada and around the world, as well as on the Queen's Law community members near and far who've known him from student to professor," says Dean Mark Walters (Law'89). "He was a mainstay of our law school, a loyal and dedicated teacher who cared deeply for his students, and a cherished mentor and friend to so many of us."

After completing his undergraduate studies at Western University, Art attended Queen's Law, earning his LLB in 1993, and becoming involved in the Kingston community with Queen's Legal Aid (QLA) as a student. He would later earn a Master of the Science of Law (JSM) and Doctor of the Science of Law (JSD) from Stanford University.

Art returned to Queen's as a faculty member in 2001 as a Queen's National Scholar. With Queen's Surveillance Studies Centre, he served on the Executive Board and

was a co-investigator in several large-scale research projects. Among other appointments, he had been a Fulbright Visiting Chair in Policy Studies at the University of Texas at Austin and taught at the University of West Indies in Barbados.

Art also served as a legal and policy consultant to the Organization for Economic Cooperation and Development (OECD), the United Nations, the Department of Justice, the Department of Finance, the Advisory Panel on Canada's System of International Taxation, the National Judicial Institute, the Office of the Auditor General of Canada, and the Office of the Privacy Commissioner.

Art was featured prominently in the media and legal sector as a pre-eminent authority on tax law, financial crime, e-commerce, privacy, and legal ethics. He shared his expertise and commitment to legal excellence with law students for over two decades. Former student Mark Cavdar (Law'13), says, "Professor Cockfield was a natural communicator, injecting everything he taught with his distinctive voice and humour. What made him unique for me was his candor, his utmost respect for and deference to the foundations of our common law, and his ability to dialogue with a room of aspiring lawyers in a language that they inherently understood."

Among Art's surviving family members are his mother, Gale Clost Costen, and sons Arthur (Com'18), Jack, and William.

the world. He saw the family as a key influence on the health of the individual and worked diligently to have the importance of family medicine recognized in medical schools and in Canada's health-care system. Compassionate care for the developmentally disabled was of great importance to Brian, who spent much of his retirement contributing to policy and medical education in support of this community. Queen's recognized Brian's work by establishing the Brian Hennen Chair in Family Medicine to foster and enable interdisciplinary research in primary care.

Helen Anne Johnson (nee Herron)

BNSc'55

We are sad to announce the passing of Helen, who will be greatly



missed by her husband of 61 years, Bill, daughters Jennifer (Peter Hyland) and Andrea (Peter Brown), and adored granddaughters Kiley and Rebecca. Helen was born in Kingston in 1933 and is survived by her sister Eleanor Allison and brother Howard Herron (Pauline). A proud alumna of Queen's University, she graduated in nursing science in 1955 and worked as a nurse in Belleville before settling in Ottawa in 1959. Never one to stand still, Helen was often seen tending her beautiful garden in the suburb of Crystal Beach, where she was an active member of the community, taught piano to local children, and made many dear lifelong friends. She enjoyed a career as a public health nurse for the City of Ottawa and, after retiring, volunteered for the Canadian Cancer Society for more than 15 years.

John D. Law

BSc'62

John passed away on June 30, 2021. He graduated with honours in mechanical



engineering in 1962. He leaves behind his wife Joyce (Clarke), Arts'62; three loving sons, John C. (Andrea), William Alexander (Mia), and James H.R. (Marlene); six grandchildren; and two great-grandchildren.

John spent half of his career with Ford Motor Company and the other half with the Alberta government. While doing so, he received many awards for technical innovations and economic improvements – his vacation time and summertime after retirement were spent at his Muskoka cottage.

Jay W.L. Lockerbie

BA'52, BPHE'53

Peacefully at Kingston Health Sciences Centre, on Friday, April 16, 2021, Jay Lockerbie in his 91st year, loving husband to his dear wife Marjorie, father of daughter Jo-Ann (Jack), who predeceased him in 2015, and of son Brett (Laurie). Jay graduated from Queen's University in Arts'52 and PHE'53 and played for the Gaels Football Team in 1949. He became a renowned educator for 33 years whose career included being the founding principal of LaSalle Secondary School in 1968. His teaching and administrative experience included Smiths Falls Collegiate, KCVI, TISS, Frontenac Secondary School, Ministry of Education (Kingston and London), and the Frontenac County Board of Education, retiring as a superintendent in 1988. He provided valued leadership and counsel at many teaching workshops and conferences for VPs and principals. He also golfed and curled at the Cataraqui Golf Club and is a recent honorary member there.

Robert Daniel James McAuley

BA'50, Meds'54

Dr. Robert McAuley died at home on March 11, 2021, at the age of 92, predeceased by his



wife of 57 years, Marion (Boyce), KGH Nursing'54. He is dearly missed by his children, Robert, BAsc'84, William, BSc(Hon)'79, and Jane, Meds'87 (David Stieb, Meds'87), and grandson, Joseph (Stieb), MA'22. Born in Ottawa and raised by his widowed, school teacher mother, Margaret (McIlraith), Arts'16, and brother John (deceased), Meds'50, Bob had many adventures as a Queen's student, waiting tables on Georgian Bay steamships while taking correspondence courses to complete his BA, working as an ordinary seaman (HMCS Nootka, University Naval Training Division), and providing medical care by float plane and boat in Northern B.C. After he completed his psychiatry residency (UofT'60), the family returned to Kingston, where he practised psychiatry until retiring in 1994. Bob embraced life and big ideas, and was well loved as a husband, father and Grampa.

Hugh Knyvet Parker

BA'16

Hugh passed away in Toronto on May 15 from a tragic accident. We are devastated but comforted by the memories of his many accomplishments, infectious personality and wit, love of music, sports, travel, exotic food and drink, and his instinctive curiosity and cheekiness. At Queen's, Hugh studied economics. He had an uncanny ability to bring people together and was always eager to plan and host gatherings around the campus. Hugh is survived by the love of his life, Jessica, Artsci'16; his mum, Sheilagh; dad, Greg; brother, Jake; Nanna, June; and the Boys.

Kevin Pollard

Kevin Pollard, loving partner and husband of of almost 34 years to Lorraine Pollard, Nursing Science 1986, died suddenly Feb. 8, 2021. He was a wonderful father to Brent (Vyktorya) and Emma (Luc) as well as a beloved grandfather to Jackson.



Bruce Robson

BaSc'60

Bruce died April 1, 2021; he was 84. Bruce went to work in the technical department at Alcan Aluminum Kingston Works immediately after graduation. He was with the company until retirement in 1997. While with Alcan, he worked in Kingston twice, in Fairmont, W.Va.; Oswego, N.Y.; Cleveland, Ohio; Russellville, Ky.; and Detroit, Mich. He worked on foil products during his career, helping develop stock for aluminum cans (most notably for Coors); recycling, and retired as director, automotive development. One of his career highlights was working with an all-aluminum vehicle for Ford. He was a skier, golfer, and curler and played touch football; he volunteered in several community endeavours. He is survived by his wife of 60 years, Ann, and their daughter Beth.



Roger Burton Stotts

BSc'53

Roger Burton Stotts was a proud graduate of Queen's University, where he earned his Bachelor of Science in metallurgical engineering in 1953. In spite of the fact that he went on to earn a Master's of engineering science from the University of Western Ontario (as it was then known) in 1970, his love for and loyalty to Queen's was unwavering. He died at his home in Stratford, Ont., in the company of as many members of his family as could be there in these COVID times, including his wife of 68 years, Mary Eleanor (MacDowell) Stotts. A lifelong baseball player, coach, and fan, his final words were "Batter up!"



NOTE

If you have memories of friends, faculty, and colleagues, you would like to share, please email us: review@queensu.ca

LEGACY

1962-2021

Angela Bailey

Olympian used Queen's law degree to become "fierce advocate" against doping

The highlight of my athletic career [was] standing on the Olympic podium and having the silver medal put around my head for Canada," wrote Angela Bailey in her journal, years after her part in the medal-winning 4×100-metre women's relay Canadian team at the 1984 Summer Games in Los Angeles. Three years later she created another highlight by breaking the 11-second barrier in the women's 100-metre: running it in 10.98 seconds. About this achievement, Ms. Bailey wrote, "For years, the track world said that only athletes that take drugs could beat [the 11-second barrier]; I proved them wrong. I was so ecstatic that I stayed up all night talking about my 10.9[8] that I went on to to develop bronchitis, which proceeded to ruin my '87 [running] season."

Read by her sister Yvonne Bailey, who at times paused, overcome with emotion at the recent passing, Angela's words in her journal convey not only a sense of pride about her achievements, but also her struggle to win honestly in a sport where performance-enhancing drugs were widespread. She believed in winning fairly, a belief rooted in her faith.

"Throughout her whole career, she was very humble... she was a Christian, she wanted fairness, equality, to be good to one another. I feel [her faith] really grounded her," explains Yvonne. Her faith and her own struggles for fairness in the sport led her to become a "fierce advocate" against doping. "She felt so strongly about that, she thought she could change the world given what she could accomplish drug-free."



Ms. Bailey testified at the Dubin Inquiry, a 1989 Canadian government examination of the use of drugs and banned practices intended to increase athletic performance held after the Ben Johnson doping scandal at the 1988 Seoul Olympics. Her vision for what she hoped she could accomplish drug-free clashed with the reality of what the inquiry uncovered. Testimony by fellow athletes at the inquiry "broke her spirit a little bit, given that she felt so strongly. It was kind of heartbreaking," Yvonne explains.

The testimony included the admission by a fellow Canadian sprinter, Angela Taylor-Issajenko, who had "beaten" Angela's 100-metre record in 1987 and who was Angela's competitor throughout her career, that she used performance-enhancing drugs. "Issajenko stole from me for 10 years," Ms. Bailey told *Toronto Star* sportswriter Randy Starkman at the time. "I do feel cheated. What can I say?"

While Ms. Bailey may have been vindicated, unfortunately "people remember [Taylor-Issajenko's]

▲
Bailey competing in the 100-metres event at the 1984 Summer Olympics in Los Angeles.

PHOTOGRAPHS BY THE CANADIAN PRESS/JUSTIN TANG

“Throughout her whole career, she was very humble... she was a Christian, she wanted fairness, equality, to be good to one another.” – YVONNE BAILEY

record; people recall her beating [Angela’s] record, but [I’m] not sure if people remember that that was thrown out,” her sister points out.

The inquiry motivated Ms. Bailey to obtain a law degree from Queen’s Faculty of Law, from which she graduated in 1996. “It drove her to become a lawyer, to stand up for people to fight for their rights.”

Though Angela returned briefly to the sport in 1998, qualifying for the 2000 Olympics, injuries kept her from competing.

Sprinter, lawyer, artist, and community advocate – she and her brother ran Yokefellow Athletics, an organization that helps support young athletes during their time as

athletes and beyond, which Yvonne describes as her “passion, her legacy” – Angela Bailey looked back on her life in her journals without regret: “I will miss this sport and what it has given me. I feel there is nothing more I can or should prove. My entire career was developed because of honest hard work, and I will never have any tainted feelings or regrets for my endeavours. My history speaks for itself. From the age of 14 to 28, I ended it as a Canadian champion... perhaps now that things are fair in Canada, others will not have to wait as long as I did to achieve their place in the record books. My purpose is fulfilled...”

— By Matt Harrison

Bailey (middle) competing in the 100-metres event at the 1988 Olympic games in Seoul.



CAREER HIGHLIGHTS

10.98s

Best personal time in the 100-metres, 1987. Remains the Canadian record holder.

22.32s

Holds the indoor national record for fastest time in the 200-metres, 1984.

1984

Silver medal in the 4×100-metres relay, semi-finalist in the 200-metres, sixth in the 100-metres event, Olympic Games, Los Angeles, U.S.

1986

Silver medal in the 4×100-metres relay, Commonwealth Games, Edinburgh, Scotland.

1987

Bronze medal in the 60 metres, World Indoor Championship, Indianapolis, U.S.

1988

Quarter-finalist in the 100-metres event, semi-finalist in the 4×100-metre relay, Olympic Games, Seoul.



They were, of course. But they were also different and unique to you. When you entered your final year of study, you knew about the pandemic – you were living it. Everything had changed, from the way you connected with friends and family, to the way you attended classes and labs, to the way you conducted your research and planned your career.

That's why we knew that no hat or water bottle could express how incredibly proud we are of you, and your ability to achieve and persevere in these unprecedented times. You set aside all that you knew and forged a new path, for yourselves and those who will follow in your footsteps. You achieved your goals, fought for your future, and proved your mettle.

You did it.

This custom notebook, created by a Queen's alumna on vintage presses, is an updated version of the one we sent to the Class of 2020. It's brighter, to reflect the optimism we hope you feel upon graduation. It features signatures and messages from members of the Queen's community who are cheering you on as you embark on this new journey. And it includes a pen for you to record your hopes and dreams.

This notebook also contains a gift we hope will stay with you for the rest of your life – the gift of giving. You see, the notebook we purchased for you will contribute to a charity of your choice. We'll be reaching out to you soon with more details so you can help us make that choice. You and your classmates will be able to choose a cause that is meaningful to you and we will provide the funds in your name – all you have to do is cast your vote.

We hope this gift will bring you inspiration in the days and months and years to come – that it will remind you of your days at Queen's, that it will bring you confidence when you need it most, and that it will serve as a memento of the year you conquered with strength, resilience and indomitable spirit.

Cha Gheill!

Dear graduates...

A vintage-style notebook takes the Class of 2021 on a journey of giving.

This year, Queen's University sent a special gift to all members of the Class of 2021 — a custom notebook produced by alumna Alissa Sokolski (Artsci'09) via her company, Any Key Press Inc. What follows is an edited version of the letter that was tucked inside each book.

Dear Graduate of the Class of 2021,

Last year, for the first time ever, we sent a custom notebook to every single one of our graduates. We wanted to give them a gift that let them know we understood they had been through something extraordinary, and that they had succeeded despite the unprecedented challenges. We thought, at the time, that these circumstances would not be repeated for your class, a year later.

▲ Alissa Sokolski's design for the notebooks was inspired by materials published the last time Queen's went through a pandemic – the 1918-20 Spanish Flu.



Is it time to reset the way you protect your family's health?

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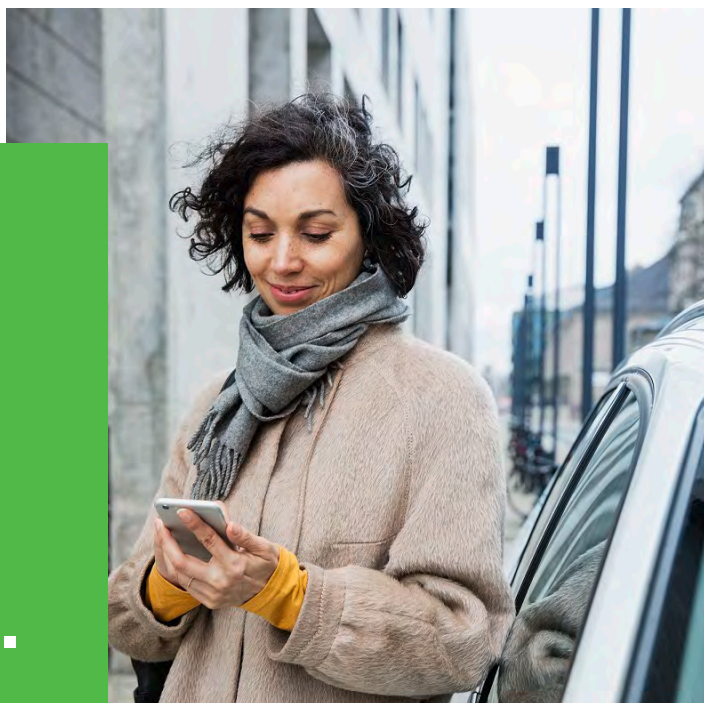
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