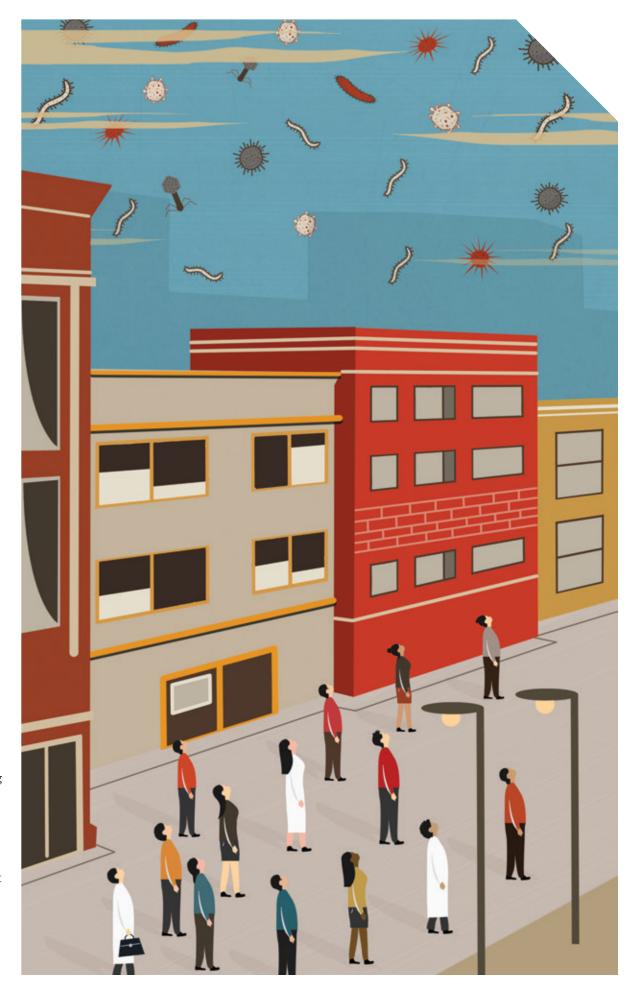


How to survive the next plague

Plus: The role of experiential learning in shaping the Trinity experience

How you made a difference: The 2016 Donor Report



Provost's letter

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The opportunity to take what you have learned in the classroom and see how it makes a difference in the world can be life-changing for students, helping them discover their true passion.

"

Expanding the Trinity experience

THERE'S NOTHING QUITE LIKE FALL on our beautiful Trinity campus. We all get caught up in the rush of energy and excitement of those first few days. Welcoming new students to the Trinity community as part of Matriculation Convocation is a wonderful fall tradition, and it was a great opportunity for me to meet some of the class of 2020.

For those students, and for our returning scholars, we continually strive to improve their experience at Trinity. How do we ensure that the students whose future we are entrusted with realize their incredible potential? How do we foster the best qualities of leadership? And how do we help our students translate what they learn here into action in the larger world?

The answers to those questions lie in large part in the programs we are able to offer. One of the three pillars (People, Program, Place) of the Trinity College Strategic Plan launched earlier this year, our programs must continue to set us apart as a great university with international standing.

One of the most exciting developments in our programs is the growth in our experiential learning offerings. As you'll read in this issue ("Bringing Learning to Life," page 16), our students are benefiting, in growing numbers, from opportunities to apply classroom learning in real-life settings. From researching sideby-side with immunologists in labs in India to meeting with world leaders at the G8 and G20 summits, a key part of the Trinity experience is increasingly about additional enrichment and growth through offcampus learning. The opportunity to take what you have learned in the classroom and see how it makes a difference in the world can be life-changing for students, helping them discover their true passion.

Many of our alumni are also invested in ensuring that the Trinity they love continues to offer a world-class education through unique and progressive program offerings as well as experiential learning. As our alumni you are such a

valuable source of wisdom, insights and partnership. Thank you for your faith in us and for your support for the College over the past year. We share a few highlights of your many contributions in our Donor Report (page 9), and a few of your smiling faces from Spring Reunion on page 5. We couldn't do it without you!

As I write this on the first day of fall, it still feels like mid-summer. But soon enough the cooler season will set in, along with the inevitable sniffles and sneezes that make their way through the campus population. For some of our students and faculty, the behaviour of a virus—be it the common cold or a full-blown plagueis a fascinating thing. In this issue, we explore the many ways in which Trinity researchers are contributing to our global understanding of immunology.

And although in his interview ("Do You Know How to Survive the Next Plague?" page 20) Mike Ratcliffe advises us to avoid overly crowded spaces, I will be taking my chances at the 41st Annual Friends of the Library Book Sale. The amount of dedication and thought that goes into making this sale such a perennially popular event is truly astounding, and we are fortunate to have such a committed team of volunteers to make it happen. I'll be ringing the bell with vigor to start things off on October 20-it's one of the highlights of fall for me, and I hope to see you there!

Until next time,

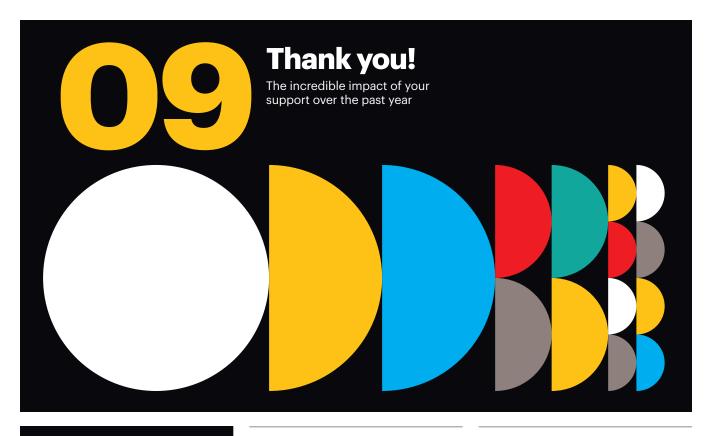
Mayo Moran, Provost



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FALL 2016







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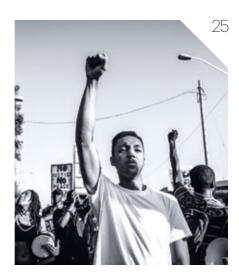
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Nota bene

Dispatches from Campus



ELIZA REID '98 (International Relations) became Iceland's first lady in August, after her husband, Gudni Johannesson, was elected the country's president. Reid, a prolific writer and editor, and mother of four, met Johannesson when they were both studying history at St. Antony's, Oxford. The couple moved to Reykjavik in 2003. In 2014, she co-founded the popular Iceland Writers Retreat, "a space for writers and those who enjoy the craft of writing to retreat and to foster their creative spirit."

Arbor Award recipients honoured

ESTABLISHED IN 1989, The Arbor Award is a U of T-wide honour designed to recognize the outstanding service of alumni volunteers, as well as friends of the university who have generously committed their time and expertise to improve the Trinity experience. This September, seven Trinity graduates received Arbor Awards.

Congratulations to the following Arbor Award winners from Trinity College, whose names will be added to the ever-growing Arbor Awards wall on campus:

- G. Philip Cooper '98
- Richard D. McDonald '82
- Alan E. Morson '57
- Iudith Ransom '63
- Faran J. Umar-Khitab '04
- Elizabeth V. Vernon '53
- Peter Wismath '94



RANDY BOYAGODA NAMED PRINCIPAL AND VP OF ST. MICHAEL'S COLLEGE

Randy Boyagoda '99 has been appointed principal and vice president of the University of St. Michael's College (USMC) effective July 1, 2016. An accomplished writer and academic, with bylines in the New York Times, Wall Street Journal, Financial Times (UK) and the Globe and Mail, he most recently served as the director of zone learning at Ryerson University, an experiential learning program modeled on business incubators that support the rapid creation of new companies and social organizations led by students.

Boyagoda has also held positions as chair of the English department and professor of American Studies at Ryerson, and also as a postdoctoral fellow and assistant professor of English at the University of Notre Dame. He is known for his novels, Governor of the Northern Province and Beggar's Feast.

New head for Alumni Association

David Plant '77 became Chair of the Trinity College Alumni Association Executive Committee in September, after serving as Vice-Chair for the past year. He takes over for Peter Wismath '94, who will continue to serve as past-chair on the Alumni Executive for the coming year and as a Year Rep for his class. "We are grateful for Peter's many contributions to alumni affairs," says Alana Silverman, Executive Director, Development and Alumni Affairs. "His strong marketing and analytical skills have been such an asset to the work of the committee. We are also excited to have David at the helm this year, as he brings exceptional talents in strategic planning and extensive experience in the television and film industry to his role as Chair."







THE FACES OF REUNION 2016

The last weekend of May was a true homecoming for Trinity alumni who attended Reunion. More than 650 of you joined us for on- and off-campus events, some of which sold out well in advance. A highlight of this year's event was the Reunion photo booth, where everyone had fun with friends—and a few props... See more pictures at http://bit.ly/1Wva8Qm

Two Trinity alumni involved in discovery of HMS Terror

On September 3, the crew aboard the marine research vessel Martin Bergmann located the "pristine" wreckage of the HMS Terror, one of two ships that made up the fabled Franklin Expedition, in 24 metres of icy water in the Northwest Passage. While the Martin Bergmann enabled the crew to conduct their search, it was the memory of local Canadian Ranger Sammy Kogvik that ultimately led to the discovery.

The story of the Franklin Expedition has fascinated generations, ever since the disappearance of the *HMS Erebus* and the *HMS Terror*, which sailed from England in 1845 carrying 129 sailors on a mission to chart a passage from England to the Pacific Ocean.

Ryan Harris '95, Senior Underwater
Archaeologist with the Parks Canada Underwater
Archaeology team, and Jim Balsillie '84,
co-founder of the Arctic Research Foundation,
have devoted years to unravelling the mystery of
the Franklin Expedition. Harris was part of the
team that discovered the wreckage of the
HMS Erebus two years ago, also aboard the
Martin Bergmann. Balsillie, a philanthropist and
passionate supporter of the Arctic, provided the
magnificently retrofitted Newfoundland fishing
boat in the first place, to enable and amplify the
search team's efforts. (Read more about the
discovery of the HMS Erebus in the Spring 2015
issue of Trinity.)

Acknowledging the team effort involved, Balsillie says, "This historic discovery could not have happened without the Royal Canadian Navy. Solving the mystery of the Franklin Expedition allows us all to honor the brave men who died in our harsh Northern environment attempting something very noble. It's also an opportunity to shine a light on this part of our great country and the Indigenous people who occupy the High Arctic."

Nota bene



PROFESSOR ATO QUAYSON NAMED UNIVERSITY PROFESSOR

Each year, U of T recognizes unusual scholarly achievement and pre-eminence in a particular field of knowledge through the designation of University Professor. Fewer than two per cent of U of T's tenured faculty receive the honour, and this year Trinity Associate and Professor of English Ato Quayson was among them.

Quayson, who is also Director of the Centre for Diaspora and Transnational Studies at the University of Toronto, was co-winner of the Urban History Association's top award in the international category for books published in 2013-14 for Oxford Street, Accra: City Life and the Itineraries of Transnationalism.

Professor Quayson earned his BA at the University of Ghana and his PhD at Cambridge University. He then went on to the University of Oxford as a Research Fellow, returning to Cambridge to become a Fellow at Pembroke College and a member of the Faculty of English, where he became a Reader in Commonwealth and Postcolonial Studies. He has published widely on African literature, post-colonial studies and literary theory.

Members of the Trinity Community Appointed to the Order of Canada

ON JUNE 30, His Excellency the Right Honourable David Johnston, Governor General of Canada, announced new appointments to the Order of Canada. The new appointees include members of the Trinity community—congratulations to Associate of the College Dr. John Richard English (Director, Bill Graham Centre) and alumnus Dr. James W. St. G. Walker.

OFFICER OF THE ORDER OF CANADA: JOHN RICHARD ENGLISH, O.C.

For his contributions as a historian, author and administrator who has expanded our knowledge and understanding of Canada's rich political heritage. (This is a promotion within the Order)

MEMBER OF THE ORDER OF CANADA: JAMES W. ST. G. WALKER, C.M'63.

For his influential scholarship that has shed light on the contributions of Black Canadians to the development of our nation.

The Order of Canada, one of our country's highest civilian honours, was established in 1967, during Canada's centennial year, to recognize outstanding achievement, dedication to the community and service to the nation.

FROM THE ARCHIVES

by Gina Jihyun Kwon (first-year archivist and member of the Trinity College Historical Society)

THE STORY OF HENRY HEAD GRAY

In Shakespeare's As You Like It, melancholy Jacques famously explains, "All the world's a stage/ And all the men and women merely players; / They have their exits and their entrances, / And one man in his time plays many parts" (II.vii.139-143). This particular play takes the stage at Trinity Medical College. Curtains open to the first act: the death of Henry Head Gray on March 31, 1891. What is more intriguing is the second act: the death of Henry Head Gray nearly 23 vears later on March 10, 1914. Who was Henry Head Gray? How did one man assume different roles—to enter then to exit life, only to return from the dead?

Prior to 1850, when Trinity College opened its doors, there was already a Medical Faculty in place thanks to an agreement between John Strachan and the Upper Canada School of Medicine. The Faculty had existed for six years until the teaching staff resigned en masse over the College's controversial affiliation with the Anglican Church. In 1871, it was resurrected as Trinity Medical School, which later became Trinity Medical College. The College granted degrees until 1903, when it federated with the University of Toronto.

Graduates of Trinity Medical were an interesting lot, settling across Canada and the U.S. For instance, one alumnus became a major league baseball player with a medical degree. Most notably, Dr. Alexander T. Augusta received his degree in medicine in 1856 and became the first black professor of medicine in the U.S. He was also the first African-American physician in the United States

Army, following his service as a major in the American Civil War in 1863.

The narrative of Henry Head Gray starts in 1887, upon the enrollment of two young men at Trinity Medical College.

Read more of this mystery and see images of some of the story's key players on the Trinity magazine website at magazine. http://woft.me/TrinMag







TRINITY CONFERS HONORARY DEGREES

ON MAY 10, The Honourable William C. Graham, Chancellor of Trinity College, conferred honorary degrees on three recipients for their dedication to Trinity College and their years of service and life's work.

Thomas Fitches was recognized for his lifetime devotion to the Anglican Church and enriching the church community

through the beauty of Anglican church music, his gifts of caring and building relationships and his commitment to the Christian faith.

Retired Trinity Librarian Linda Corman was honoured for her longtime dedication and tireless service to Trinity College and its library, the Friends of Library, the Library profession, the Toronto School of Theology, the University of Toronto and the Association of Theological Schools of the USA and Canada.

Maylanne Maybee was in acknowledged for her support and dedication to Trinity College and her unique contribution to the church's order of Deacons.

(left to right): Linda Wilson Corman (Doctor of Sacred Letters), Thomas Andrew Fitches (Doctor of Divinity) and Maylanne Maybee (Doctor of Divinity), who also provided the convocation address for the Faculty of Divinity's 2016 graduating class.

Trinity's Provost heads U of T expert panel on sexual violence

MAYO MORAN, professor of law and provost of Trinity College, recently led an Expert Panel on Sexual Violence Policies as part of U of T's action plan to prevent and respond to sexual violence. The panel's report, released August 11, includes 40 recommendations. Among them: That U of T ensure that all members of its community are covered by the same set of procedures when it comes to matters of sexual violence.

The panel also called for the new policy's statement of purpose to include a commitment to prevention, education and training, as well as support for those affected by sexual violence, and that it be inclusive and recognize the vulnerability of members of historically marginalized communities.

The panel's recommendations will help shape a new standalone policy on sexual violence and follow in-person consultations on all three campuses, as well as written submissions collected online. Consultations on the draft policy began in September 2016. Provincial law requires that the new policy be in place by January 2017.

"There was great community engagement on this issue across all three campuses including students, faculty and staff," says Moran. "The feedback was thoughtful and enormously helpful to the work of this panel as well as on the larger issues. These issues are incredibly important and we were very pleased that the university community was so committed to making positive change and so helpful in thinking about how to make that happen."







Nota bene



we welcomed new students, new staff and new Fellows to the College.

THE MANY FACES OF ORIENTATION WEEK

The campus population exploded during early September, as the Class of 2020 arrived, full of excitement and trepidation, and returning students welcomed each other back after the summer break. See more pictures of Orientation week on Facebook: http://tiny.cc/frosh2016.

NEW BURSAR AND CHIEF ADMINISTRATIVE OFFICER

In May, Jason MacIntyre began his role as the College's Bursar and Chief Administrative Officer. Prior to his appointment, MacIntyre served for six years as Dean of Residence at U of T's Graduate House. He holds an Honours BA degree from the University of Waterloo, a Master of Education degree in Leadership in Higher Education from OISE, and has held managerial roles at the University of New Brunswick, Western University, and Brock University.



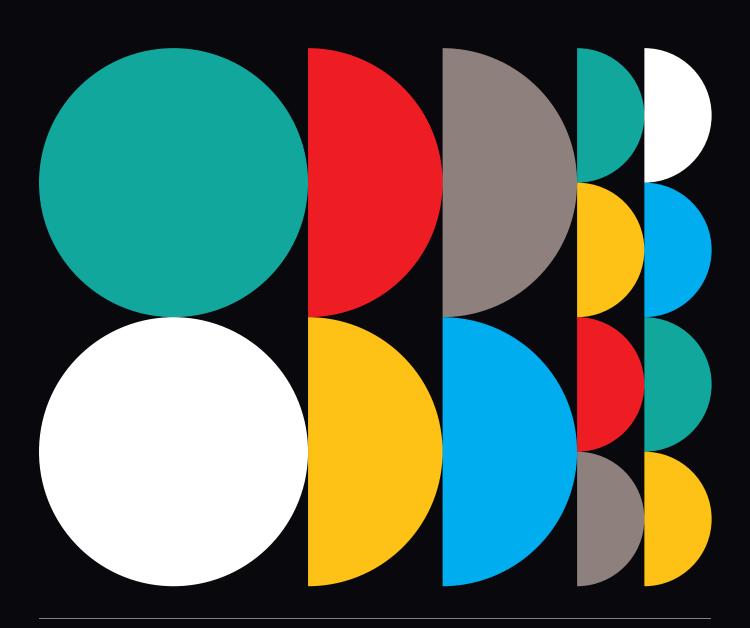
On July 1, Trinity welcomed four new Fellows. Profs. Sherry Lee (Music), Teresa Miedema (Law), Nick Mount (English) and Pekka Sinervo (Physics). Associates and Research Associates were also appointed in July. See http://uoft.me/trinfellows for a full list and bios.



2015-2016

Generations of Trinity supporters are helping to provide a world-class experience for Trinity students. Thank you for your support.

Donor Report





ONE OF THE MOST UNIQUE AND ENDURING ASPECTS

of Trinity College is the sense of community it inspires in our alumni, donors and friends. This feeling of family among those of us who have shared the Trinity experience is a defining characteristic of our College. As both a graduate of the College and a parent of a current student, I am continually touched by how this connection moves you to give so generously to our students, the next generation of leaders and innovators.

Your unwavering commitment and generosity, year after year, allow us to offer Trinity students the very best in programs and support. This year marked a significant investment in enhancing the overall student experience. From exciting new mental health programming, to helping our students access grants for travel and study abroad, to focussing on improved food services, Trinity is providing the most holistic environment for students in our history—something we can all celebrate.

Thank you very much for your support of our College. Your kind generosity ensures Trinity's legacy of excellence will be maintained well into the future.

Ill Carmichael Abolphe

Jill Carmichael Adolphe '85 Chair, Development Committee

Leadership (\$1,000+)

The following list recognizes donors who cumulatively gave \$1,000 and above between May 1, 2015 and April 30, 2016 to support Trinity College. It includes gifts to the Trinity Fund, Reunion class gifts, and gifts in-kind.

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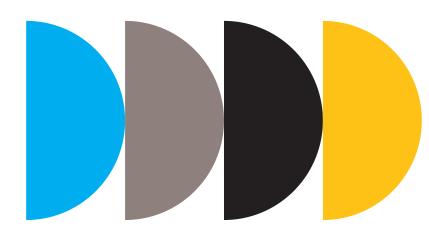
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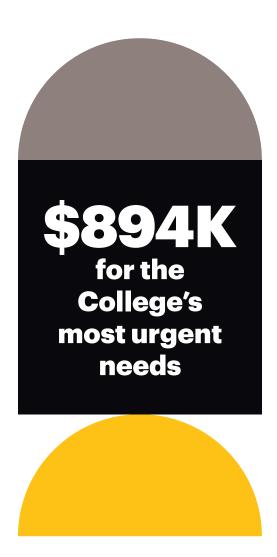
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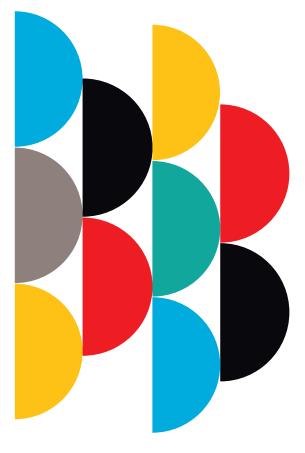
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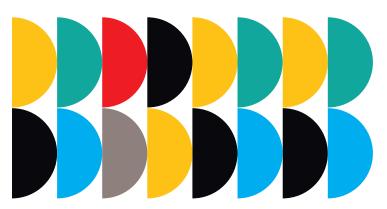
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Our donors and friends are very important to us. Every effort is made to ensure the accuracy of this report. If, however, we have made any errors or have omitted a name, please accept our sincere apologies. For corrections, please contact Jill Rooksby, Editor, *Trinity* magazine and Manager, Alumni Communications at 416-978-2651 or jill.rooksby@utoronto.ca







BRINGING





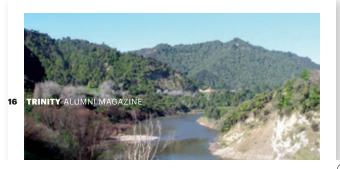
LEARNING



TO LIFE

How experiential learning is enriching the Trinity experience

By Cynthia Macdonald











NSUMMING UP HIS EDUCATION SO FAR, Jonathan Chan likes to quote a well-known Chinese proverb: "It is better to travel ten thousand miles than read ten thousand books." With degrees in history and (soon) immunology, Chan has certainly read his share of books. Last year, while completing a three-month internship in India, he was able to see the lessons contained within them brought sharply to life.

Chan spent the summer working in a New Delhi laboratory, under the auspices of the Queen Elizabeth II Diamond Jubilee Scholarship Programs (QE II). In 2015 only two Trinity students (out of six U of T students) participated in the program, which sends students in various disciplines abroad to study in Commonwealth countries (see Nota Bene in the Fall 2015 issue of *Trinity* for more on the program and one of its first participants). This year, that number has shot up to 17 (out of 28 U of T participants).

Enthusiasm for the QE II reflects the fact that international experience is becoming increasingly necessary in today's globalized environment. When it comes to seeking that experience, Trinity students have long been in the vanguard.

The ways they do so are many and varied: some earn credits at universities that are partnered with U of T, while others complete research assignments with the G8 or G20 research groups. It's not uncommon for students to spend the summer volunteering for non-profit organizations overseas, or to learn a new language on an exchange. There are also trips that are unique to the College—for example, the Divinity faculty's biannual pilgrimage to Israel and Jordan. "We believe that going out in the world gives you a whole different type of experience," says Dean of Arts Michael Ratcliffe, "one that is life-changing."

Chan agrees whole-heartedly. As a researcher aspiring to a career in medicine, he found his experience at New Delhi's National Institute of Immunology invaluable. "Working there gave me a whole different perspective on how research can be done," he says. "Also, laboratories tend to have different focuses in different countries, depending on what kind of health issues are dominant in the country." In Indian laboratories, he noticed, there is understandably a strong emphasis on curing infectious disease. In Canada, by contrast, autoimmune illnesses command more attention.

While in the region, Chan also participated in health promotion efforts and met the local people. "History can teach you about facts and policies, but not how people really live," he says. "The feelings and emotions I got while there? No book could ever describe them in detail." Back at U of T, he plans on studying Hindi as he wraps up his courses.

This year's cohort of Trinity's QE II immunology students have been sent to Kenya, South Africa, the United Kingdom, Scotland, India and Australia. They're doing fieldwork in maternal and child health, participating in conferences, and enjoying unexpected side benefits—such as participant Shaan Bhambra's invitation to have breakfast with Archbishop Desmond Tutu '00 (Hon. D.D.).

Trinity takes its funding of those experiences seriously. The College has secured a university-leading \$2 million for QE II scholarships over four years. This covers study in immunology, as well as a relatively new program that brings together the fields of International Relations, and Ethics, Society and Law: Establishing Right Relations, which seeks to explore relationships between indigenous and settler populations.

Last year, Victoria Wicks '16 spent the summer at Ng ā Pae o te Maramatanga, a centre of research excellence based within New Zealand's University of Auckland. It was an experience she calls "extremely transformative."



"It is better to travel ten thousand miles than read ten thousand books."

While at Ng ā Pae, Wicks and fellow intern Madeline Dorland worked on research papers and helped with administrative and marketing duties at the centre. They also participated in festivities related to Matariki, the Maori new year, and watched a production of "Romeo and Juliet" performed entirely in te reo Maori, one of New Zealand's official languages. "The really important part of what we did was to learn alongside indigenous scholars," says Wicks. "I feel extremely lucky and grateful to have been placed with such generous hosts."

Wicks expanded on her findings by enrolling in Trinity's Community Partnership and Ethics course, through which students can participate in service work at home. "Having come back from New Zealand buzzing with all these things I did in the program, I was paired up with the Canadian Aboriginal AIDS Network. It was great to talk to the representatives there about my experience overseas, and find out about similar issues going on here."





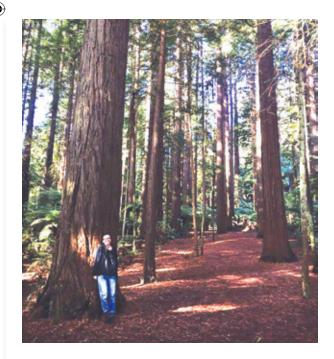
Setting up partnerships between Trinity and different centres across the Commonwealth has been a challenge. Interestingly, John Duncan (director of Trinity's Ethics, Society and Law program) found that his own long-ago sojourn as an international student paid off here. "When I was in my late teens, I spent four months in Guyana with Canada World Youth," he says. "Fortunately, I still have some contacts from those days that came in handy when we were researching placements for our students."

Established in 1971, Canada World Youth is a non-profit agency dedicated to providing work experience for youth. Trinity's goal extends beyond that, in that the College is bringing the worlds of work and education together. That's the inspiration behind a new course on the College syllabus, TRN 307. "The vision of the 307 course was to complement the Queen Elizabeth scholarship," says Ratcliffe. "But a number of our students who aren't taking part in the QE II scholarships are also doing research and internships during the summer. This course will provide them with a mechanism for getting academic credit for those undertakings." A second course, TRN 308, will allow students to share their experiences with community stakeholders. "It will be a hub for thought on these issues at Trinity," says Duncan.

The QE II scholarships fund a 90-day commitment, but Trinity students routinely make shorter trips too. An example is the extraordinary work being done in the G8 and G20 research groups, led by John Kirton, Interim Director of Trinity's International Relations Program. With a diverse array of backgrounds (trade policy, women's issues, the environment and global health being but a few) students here conduct research and analysis while on-site at international summits. Trinity Chancellor Bill Graham first became acquainted with the groups while he was still a cabinet minister. As he said in a 2013 interview: "I used to go to those meetings, and it was amazing to see what the students were doing. Sometimes they were the only people getting reports and meeting heads of state."

Many in the G8/G20 research groups have been affiliated with Trinity's highly regarded International Relations program. It must be stressed, however, that students in all disciplines are encouraged to travel if possible. The College allocates \$30,000 in each year's budget toward travel expenses for students who have not received QE II scholarship funding, including those attending the G8/G20 summits. "We would love to be able to fund every opportunity, but at this point we can't," says Provost Mayo Moran. "What we really need is an international bursary program."The value of such a program cannot be underestimated: travel costs, which vary from country to country, invariably add up. They include airfare, phone calls, health coverage, room and board, and in the case of study programs, tuition.





"I'd like to think I matured a lot, and grew as a person. I gave back to the community, yes. But I also developed myself."

In June, the Ontario Government's Highly Skilled Workforce Panel recommended that in future, every student be permitted access to experiential learning at university. And as global experience becomes more critical in the workplace, locating many of those experiences overseas simply makes sense.

"It's a no-brainer," says Duncan. "We can be looking at a variety of texts in class, and be pulled one way or another by the arguments in them. But when you meet the people who are involved with the issues, it's really eye-opening. Right away they can tell you whether those theories work in practice or not. A little experiential learning goes a long way."

That's why these days, Trinity students are going a long way—both figuratively and literally. Recent Trinity graduate Kevin Deagle is now headed to Oxford, to study environmental change and management. It's an academic direction he says he wouldn't have selected, had he not travelled to a remote corner of Northern Australia to work under the guidance of a local indigenous agency as part of the QE II program. It's a trip he calls the "formative moment" of his career to date.

The spirit of challenge is a major part of Trinity's mission, and few things challenge a student more than travel. It's an experience that builds confidence, cultural sensitivity, linguistic facility and basic life skills. It fosters connections and memories that can last forever. It is, if you will, a book that never ends.

Of his time in India, Jonathan Chan says: "I'd like to think I matured a lot, and grew as a person. I gave back to the community, yes. But I also developed myself." ■

See the QE11 student blog at http://uoft.me/QE2







"We would love to be able to fund every opportunity, but at this point we can't. What we really need is an international bursary program."



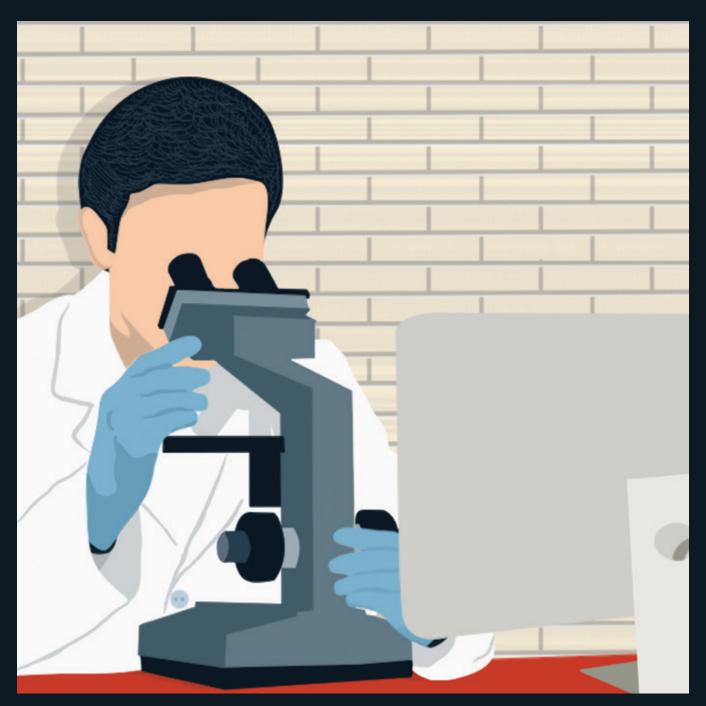








Do you know how to survive the next plague?





PROFESSORMichael Ratcliffe

Trinity's immunologists are playing a key role in answering that question

By Susan Pedwell

n the early Middle Ages, the Plague of Justinian killed 5,000 people a day in Constantinople. By the time it ended one year later, more than 25 million people in Europe and Asia had died. In the mid-1300s, the Black Death wiped out over half the population of China and reduced the world population by over 100 million. Then in 1918, Canada lost 50,000 citizens to the Spanish Flu and the world lost at least 20 million people (some estimates are as many as 100 million). All three plagues were transmitted by animals—the Justinian Plague from rats, the Black Death from other rodents and the Spanish Flu from pigs.

Could a plague of such staggering proportions occur today? Now we have sanitation systems and vaccines that protect us from viruses and diseases. Hospitals stand ready with infection prevention and control protocols. And if there is an outbreak in one part of

the world, scientists can instantly communicate with others to contain the epidemic. So why, then, do some predict that the next plague could kill tens of millions of people?

Professor Michael Ratcliffe, former Chair of the Department of Immunology at the University of Toronto and Trinity College's Dean of Arts, characterizes a plague as "something that has the capacity to wipe out a substantial part of the human race. "We don't know what the next plague is going to be," says Ratcliffe, "but we do know it's inevitable."

Fortunately, scientists and researchers are forging brave new pathways in our understanding of immunological threats, helping to arm us with advanced tools that our ancestors could never have imagined. *Trinity* magazine interviewed Ratcliffe to learn how to ride out the next "Big One."

Trinity: Where do plagues come from?

Ratcliffe: Virtually all plagues have originated in the animal world. Ebola, for example, is carried by fruit bats. When an infected fruit bat is eaten by a great ape (gorillas, bonobos, orangutans and chimpanzees), the ape becomes infected and dies. In many parts of Africa, villages rely in part on what they call "bush meat" for survival, and a great ape carcass has a lot of meat on it. Data shows that Ebola outbreaks appear to move in a predictable direction, in the direction of fruit bat migration.

Trinity: Could the Ebola virus cause a plague?

Ratcliffe: Ebola has some of the criteria of a plague. It's highly infectious, easily transmissible and highly pathogenic. And certainly in parts of Africa, Ebola has wiped out whole villages.

But the symptoms of Ebola come on very quickly after an infection. Pretty much as soon as you're infected, you know you're sick, making it easy to identify and quickly isolate infected individuals. In fact, when Ebola first appeared in human populations in Africa, villages would treat an infected person by isolating them in a hut at the edge of the village with enough food and water for a week. After a week, they either walked out—or didn't.

Contrast this short latency period of Ebola with that of HIV. Once you've got HIV, there are flu-like symptoms, then an extended period of time when you're infectious without being symptomatic. HIV is a classic example of latency; it provides time for the organism to spread through populations. But if the disease has a very low latency, as Ebola does, then it's unlikely to be spread so widely.

Trinity: How can we survive the next plague?

Ratcliffe: Find a desert island and hide. This is a light-hearted suggestion, but let's contrast it with where you *don't* want to be. You don't want to be in a major city with a developed public transit system that packs people together. You don't want to be in a multi-ethnic environment that has global connections with the rest of the world.

Trinity: Are you describing Toronto?

Ratcliffe: Yes! These international linkages are exactly why Toronto was an epicentre for severe acute respiratory syndrome—SARS—in 2003. By the time SARS was contained, it had killed more than 900 people, including 44 Canadians, most of them in Toronto.

Trinity: Beyond living in isolation, where can we put our faith?

Ratcliffe: In drugs. Many of the anti-viral drugs are very effective. If you have HIV and it's identified relatively early, your life expectancy is not much different from anybody else's, because the anti-viral drugs are really good at preventing virus production and the spread of the virus. However, drugs do not typically prevent infection.

When the next plague comes along, I'd be surprised if the drug companies don't eventually come up with something. Whether that drug will come in time is a separate question.

Trinity: What do you personally do to keep the pathogens away?

Ratcliffe: I don't take vitamins; there's no real need to if you eat a balanced diet. Humans have evolved over hundreds of thousands of years to be able to obtain the vitamins they need from a diet that includes meat, grains, fruits and vegetables.

And to my knowledge, none of the advertised probiotic-containing foods, such as yogurt, have any proven clinical benefit whatsoever under normal circumstances, certainly in part because the levels of bacteria in a typical carton of yogurt are miniscule compared with the number of bacteria normally residing in our gut. If a course of antibiotics might have disturbed normal gut flora, probiotics might help but strong evidence is pretty much lacking.

To prevent catching a cold and many other contact-mediated diseases, I wash my hands regularly, especially after travelling on the subway. I avoid shaking hands if I have a cold, and I'm not

offended when others do the same. But is handwashing enough to prevent succumbing to the next plague? Clearly not.

Trinity: What are your thoughts on vaccination?

Ratcliffe: There is no doubt that vaccination has saved more lives than any other innovation during the course of human evolution, with the exception of the provision of clean drinking water.

I find it frustrating when people still quote the study that vaccination can cause autism since that study was admitted to be fraudulent. Parents who refuse to get their children vaccinated put their kids' lives in danger.

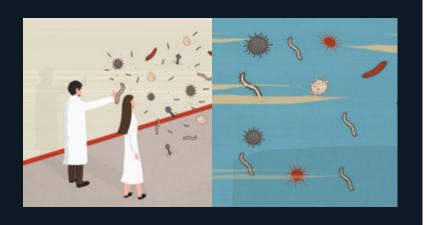
Since the onset of childhood vaccination, greater than 90 per cent of child deaths from measles have been in unvaccinated children. It is not enough to say that since there is no significant incidence of measles in North America, children don't need to be vaccinated. The recent outbreak in measles that tracked back to an amusement park in California likely originated from a visitor from the Philippines, where measles is still quite common.

Trinity: How many diseases have vaccines eliminated?

Ratcliffe: Only one: Smallpox. And it took 200 years to eradicate it.

But vaccines have been enormously effective in reducing the incidence of TB and diphtheria. They have made massive reductions in what used to be the "normal" childhood diseases.

There are dozens of diseases that we can prevent from infecting vaccinated individuals, but some of these diseases may exist in animal pools. So we constantly need to keep vaccinating. No animal pool carries smallpox, and this is one of the key characteristics of



GUTSY RESEARCHERS

Awareness of the importance of a healthy microbiome in our digestive system is growing, and the food industry has been quick to respond with yogurt, kefir, kimchi and other products that the manufacturers claim will boost the bacteria within the coils of our intestines. Then in May, the Canadian Institutes of Health Research awarded two Trinity immunology professors \$2 million each to investigate how the two kilograms of bacteria residing in our guts contributes to disease.

Associate Professor Alberto
Martin is sorting through the more
than 1,000 species of gut bacteria to identify which microbes
induce colon cancer in mice and
in individuals who are genetically
susceptible. "This is a new frontier,"
says Martin, the director of Trinity's
immunology program. "We don't
know everything that these bacteria
are doing within our guts."

By altering the diet and manipulating the gut bacteria, Martin hopes to develop strategies to help prevent the onset of colon cancer, the second leading cause of cancer-related deaths in Canada.

Meanwhile, Professor Jennifer Gommerman is investigating autoimmune disease in Canadians of South Asian descent. "Does global migration affect health and lead to more disease?" asks Gommerman, a Trinity Fellow. "We're just starting to answer this question.

"Depending on their country of origin, immigrants may be exposed to a different burden of microbial pathogens," she says. "For example, the prevalent use of antibacterials in our Canadian environment could change the types of microbial exposures experienced by immigrants when they come to Canada, and particularly the types of exposures experienced by their children who are born in Canada."

The seed funding for
Gommerman's research came from
the Connaught Global Challenge
Award, a U of T-based competitive grant designed to "heighten
U of T's contribution to important
issues facing society through the
advancement of knowledge, and
the transfer and application of
solutions." The work supported by
the award enabled Gommerman
to then compete for—and win—the
larger Canadian Institutes of Health
Research Grant.

While the role of the microbiome in disease has recently captured our attention, acknowledging the importance of what's going on in our bellies is perhaps long overdue. As Hippocrates observed in 400 BC, "All disease begins in the gut."

smallpox that made it feasible to eradicate it completely. It's simply spread from human to human by contact.

We're close to eradicating polio, but the problem now is more political than medical. There are a few parts of the world—Afghanistan, Northern Pakistan—where there is still polio because there's a reluctance to let in Western medicine to vaccinate populations.

Trinity: Can vaccinations save us from the plague?

Ratcliffe: When a plague starts, the first thing the scientific and health-care community have to do is identify what it is and develop a precise molecular characterization of the virus or bacteria. Then we can start to develop a vaccine. But just because a vaccine exists, it doesn't mean the problem is solved. There are all kinds of other considerations that come into play, such as ethics, distribution and cost issues.

Trinity: Is Canada ready for the next plague?

Ratcliffe: Canada certainly has stockpiles of vaccines against what we already know about. Is the next plague going to be about something we know about? Probably not. But now we have a system in place that will allow us to do the discovery research to develop the vaccine rapidly. We're a lot readier now than we were pre-SARS. That was a huge wake-up call.

Canada did a brilliant job in identifying SARS. There were collaborations between Toronto where the patient base was, the isolation facility in Winnipeg that was able to culture and purify the virus, and the sequencing facilities in Vancouver that were able to absolutely characterize the virus. It was a textbook example of productive collaboration. What they developed was a precise molecular characterization of the virus. Once you know that, then you can start to develop vaccines. There is a vaccine for SARS now, but SARS actually ended as a disease before the vaccine was generated.





Trinity: Any predictions on what the next plague might be?

Ratcliffe: One of the most likely candidates is a new variant of a flu virus. So far we've been lucky that the most pathogenic flu viruses were not very infectious so didn't spread rapidly. Maybe that's because viruses are not trying to kill you; they're basically trying to spread. But it's certainly possible that a very pathogenic flu virus becomes adapted to humans so spreads more easily.

Trinity: Is there a danger that a virus will wipe out our species?

Ratcliffe: It's unlikely that a single virus will wipe out all human life on Earth because there will always be some individuals who are genetically resistant to the virus.

Trinity: Do you lie awake at night worrying about the next plague?

Ratcliffe: No. I have faith in immunology.

Professor Ratcliffe is Editor-in-Chief of the recently published Encyclopedia of Immunobiology, 1st Edition, a five-volume, 3,000-page international reference text (see Book It, page 28, for more information).

1986

The year U of T's Department of Immunology was inaugurated, with Trinity College as its academic home, through the help of immunology researchers and Trinity Fellows Dr. Brian Barber and Dr. Robert Painter (who was also Trinity's incoming Provost at the time). "It seemed like the right moment to add a science role to Trinity College, complementing its long-standing interest in the Humanities and International Relations," says Painter.

The right moment, indeed. Since then, landmark discoveries in how the immune system develops, how it recognizes pathogens and how the activities of the immune system can be harnessed to fight infectious diseases and cancer have changed the face of health care. —Jennifer Matthews

2015

Following the discovery of a "plague pit," a mass grave uncovered during construction in East London in 2015, researchers have confirmed the cause of The Great Plague of London. The bacteria Yersinia pestis, which claimed an estimated 50 million lives during the Black Death in the 14th century, is also responsible for The Great Plague, which killed an estimated 100,000 people from 1665 to 1666—a quarter of London's population at the time.

Trinity Fellow Professor Nicholas Everett was interviewed in September by CTV News about the implications of the discovery, which was confirmed through DNA tests performed on teeth from the ancient skeletons. "This case gives us another example to work with to try to enlarge our understanding of plagues and how they operate," says Everett. "There are still many unanswered questions about where the plague comes from, how it was transmitted and why it affected some areas more than others.

"We need to learn more about the effects of other factors, like malnutrition, a bad farming cycle or unhygienic living conditions. The answers to these and other questions could ultimately help modern medical researchers to understand, treat and ultimately prevent future plagues." —Jennifer Matthews





ENVISIONING ABRIGHTER FUTURE

Why I'm striving for a socially just Canada

By Anthony Morgan '08



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hen I consider my experiences since graduating from Trinity's Ethics, Society & Law program, I almost immediately think of a 1998 song by Canadian rap legend

1 amost infinediately triffic of a 1998 song by Canadian rap legend Maestro Fresh-Wes, entitled "Stick to Your Vision."

On this track, Maestro reflects on his career highs and lows as a Canadian rapper who abruptly fell into relative obscurity in the mid-1990s after enjoying unprecedented success in the American-dominated market for rap music. Despite his shift to a lower-profile role, Maestro stayed committed to his vision of helping to develop an urban music industry-infrastructure in Canada—one that has helped to fuel opportunities for the creation of the next Drake, the Weeknd, or Justin Bieber.

Maestro's song resonates with me because sticking to my vision has been so critical to the success I have enjoyed early in my legal career. While it is an evolving concept, I currently define success (at least in professional terms) as doing meaningful social justice work that I'm deeply passionate about and happy doing, with smart, dynamic and socially conscious people.

The "vision" I have stuck to, which has allowed me to enjoy success as I have defined it, is of using my skills, opportunities and education to support the advancement of racial justice and equality for people of African descent in Canada. This became my vision because by the time I was in my late teens, I realized that I enjoyed a level of opportunity and access not common to people from my community. I decided to turn this recognition into a responsibility to commit to advocating for the freedom and

well-being of Black people. I also adopted this responsibility as an expression of pride in my history and heritage as a person of African descent.

I have been a lawyer for only three years. However, sticking to my vision has enabled me to do work that has led me to appear before the Supreme Court of Canada. In November 2014, I served as co-counsel in a successful intervention to strike down discriminatory mandatory minimum sentencing for illegal gun possession in Canada.

I have also participated in sessions of United Nations human rights committees, contributing to two civil society reports. The latest of these, *The Blackening Margins of Multiculturalism*, was published in February 2016. After I presented it to the UN Committee on Economic Social and Cultural Rights in Geneva, Switzerland, the committee made numerous recommendations on what Canada should do to enhance the well-being and life circumstances of Blacks in Canada.

My chosen career path has also allowed me to emerge as an authority and frequent media commentator on racial justice issues facing Blacks in Canada. Among the issues on which I'm most frequently consulted are the over-representation of African Canadians within the criminal justice system (from police interactions to prisons); statistics on police use of lethal force; the child welfare system; academic streaming, suspension and expulsion data in Ontario schools; and issues related to African-Canadian poverty, unemployment and socio-economic exclusion in Canada. Since late 2014, the most publicly discussed matter within this set of issues is a police practice known as "street checks" or "carding."







While there is no official definition of carding, it is generally understood to be the practice of police officers stopping, questioning, documenting and storing the information of civilians who are not suspected of being involved in a crime or under investigation for being connected to an offence. This practice might sound relatively benign, but what makes it so controversial is that in every Canadian city and region where data was collected to indicate the perceived racial background of the individuals who are carded, it has been revealed that racialized people, and most especially Black men, have overwhelmingly and consistently been the primary targets of this practice. In locations where Blacks are not identified as the primary target of carding, Indigenous peoples are the primary targets.

For example, in 2012, a Toronto Star analysis of police data

from 2008 to mid-2011 discovered that the number of young Black men carded was 3.4 times higher than the population of young Black men in Toronto. It is important to note that there is simply no evidence that Black people actually commit more crimes than non-Black people and that carding is not limited to policing "high-crime" areas. In fact, *Toronto Star* data revealed that in high-income Toronto neighborhoods with minimal to racial diversity, Blacks were even more likely to be carded.

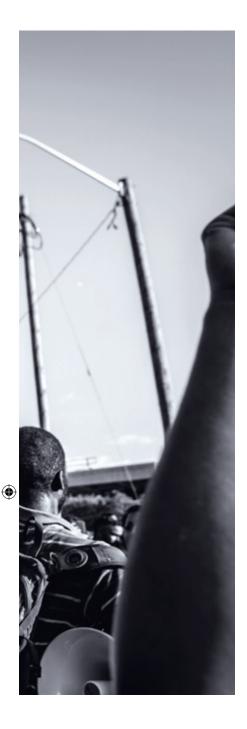
It's amazing now to think that there was a time when carding was an entirely foreign concept to people living outside of Toronto's most economically challenged and racialized communities. When I first began speaking about it, I got a lot of pushback, dismissal and diminishing of the issue. But as I grew as a lawyer and advocate I drew on the lessons I learned at













Anthony Morgan graduated from Trinity College's Ethics, Society & Law program in 2008. He went on to pursue an LL.B and B.C.L. from McGill University's Faculty of Law. Shortly after becoming a lawyer in June 2013, he drafted the Universal Charter on Media Representations of Black Peoples. The Charter was drafted as a tool for public education and awareness on the impact of the media on Black lives and experiences, as well as a tool for community organizing and advocacy against all forms of anti-Black biases and racism in the media. Morgan's commentary on social justice issues has been featured in the Globe and Mail, National Post, Toronto Star, Huffington Post Canada, and other major newspapers and broadcast outlets, including CNN. The recipient of numerous leadership and advocacy awards, Morgan is also a 2016 recipient of a Lexpert Zenith Award for his contributions toward achieving diversity and inclusion, both within the legal profession and in society. In June 2016, Canadian Lawyer magazine nominated Morgan as one of Canada's top 25 most influential lawyers.

Trinity, where I was fortunate to have classmates and professors who respectfully and thoughtfully engaged in our discussions about anti-Black racism, helping me strengthen my thinking and speaking abilities. Those skills helped me in my early days of educating others about the carding issue, as I continued to think of new ways to articulate the points I was trying to make.

After a few years of growing community mobilization, public outcry, round-table consultations, and coalition-based advocacy and organizing in Toronto and across the Greater Toronto Area, the Ontario government introduced province-wide regulations in 2015 aimed at eliminating carding and discriminatory targeting.

My own participation in Ontario's community anti-carding campaign allowed me to engage in a variety of forms of advocacy through policy submissions, media commentary, speaking engagements, and opinion-editorial writing. Though my primary point of entry was most often as a lawyer who saw the issue of carding through a legal lens enriched by a critical race analysis, I also appreciated the opportunities I had to work with and advocate on behalf of members of the African Canadian community in different and dynamic ways.

While the new laws are a step in the right direction, there is still work to be done. Police carding continues, in different forms and in the same old ways, mainly on Toronto Community Housing properties, which exempt officers from the recently passed carding regulations. But when I reflect on what we have achieved so far and how I plan to continue to work on this and other issues of anti-Black racism in Canada, there's one thing I know will serve me best: Sticking to my vision.



MARRIAGES

THE REV. DR. GRAHAM COTTER '46 and MARGARET BAILY, April 23 in Port Hope, ON.

DEATHS

BEALE: FELICITY (MONDERER)

'61, Aug. 19 in Melbourne, Australia.

BROWN: GEORGIA (BLAKELEY) '58,

Nov. 19, 2015 in Lindsay, ON.

CLARKE: AUSTIN'00 (HON. DSL), July 24 in Toronto.

FANTHOM: ELAINE,

July 11 in Toronto. Honorary Fellow of the College.

HONEY: RICHARD, Sept. 27 in Cobourg, ON. Husband of the late Betty Honey, mother of Chris Honey '84 and mother-in-law of Karla Honey '84.

HORNE: MARY ELLEN,

Sept. 9 in Mississauga, ON. Mother of Marian Horne Greenwood '65 and Kathryn Horne '67.

HUTCHISON: GAIL '51,

Aug. 23 in Toronto.

SUTHERLAND: PATRICIA ELLEN (LOGAN) '48,

Sept. 11 in Toronto.

VAREY: J. DOUGLAS '70 (DIV),

Aug. 30 in Toronto. Husband of Lynne Brennan '76.

Technical error

Due to a technical difficulty, many of the submissions that were received for Class Notes and Book It were lost. We apologize for this error. If your submission is not listed, please re-submit to magazine@trinity.utoronto.ca. Your entry will be listed at magazine. trinity.utoronto.ca and will be included in the next issue.

Class notes

News from classmates near and far







BOOK IT

If you have published a book within the past six months or have one coming out in the near future, please e-mail the editor a high-resolution JPEG of the cover, along with a 50-word-or-less description of the book and its publication date. magazine@trinity.utoronto.ca

ANN BIRCH

The Secret Life of Roberta
Greaves is the story of a
renowned classics professor
at Trinity College who finds
her perfect life shattered by
her husband's suicide and the
huge gambling debts he has
left behind. Grief-stricken and
angry, Roberta must find a way
to pay his debts.

MARK CURFOOT

Albert and Ettore When Bologna University lecturer, Albert, encounters circus performer Ettore, life becomes "all too Fellini: dwarfs, hysterical spinsters, buxom red-headed women, theft and intrigue, cemetery flower-peddlers, fat ladies, mutes." The 1967 death of a young woman with links to Trinity's faculty dominated newspapers. Subsequent deeds from a sinister world haunt a four-generation family and Albert across two continents.

MICHAEL RATCLIFFE, DEAN OF ARTS AND VICE-PROVOST OF TRINITY COLLEGE

More than three years in the making and more than 3,000 pages long (in five volumes!), the *Encyclopedia of Immunobiology, 1st Edition*, is the largest integrated source of immunological knowledge currently available. Professor Ratcliffe, former Chair of the Department of Immunology at the University of Toronto, was asked to be the editor-inchief of the text, which brings together international experts from all fields of immunology.

Arranged in thematic sections, it covers a wide range of research by scientists in fundamental immunology as well as applied aspects of immunology.

Ratcliffe also took on the role of co-editor of the volume "Physiology and immune system dysfunction" and his colleague, Professor Alberto Martin, Trinity's Director of the Immunology Program, was co-editor of the "Molecular Immunology" volume.

Class notes



NEWS

HAPPY 100TH BIRTHDAY TO DR. MARGARET LARGE-CARDOSO'39

A passionate academic and lifelong advocate of health education, Margaret Large-Cardoso earned her BA at Trinity College in 1939 and went onto complete a Masters in Health Education (Wayne State) and a PhD in Health Education (University of Michigan). Ultimately, Margaret became a Professor at Western Michigan University, Kalamazoo, Michigan.

In an interview with the Shoreline Beacon, Margaret cited her experiences in the Second World War as some of the most impactful moments of her life. Working as an assistant director of War Services for the YMCA, attached to the Royal Canadian Air Force during the Second World War, she spent time in the hospitals helping military personnel, some of whom never returned home from the war.

Asked by the Beacon if she

has any advice for younger women, she counselled "manage your money well and save."

And her biggest life lessons: always be optimistic, expect the best, never live alone and develop your network of friends.

Read more about Dr. Large-Cardoso at http:// bit.ly/2c4kndo

Class notes

Calendar



Shakespeare at Trinity Exhibit

Through December 2016 John W. Graham Library

A display of rare and special collections books that explores the historical and current significance of Shakespeare's work to the Trinity College community through the themes of publishing, scholarship and performance.

Library hours: http://uoft.me/grmhours

Sacred Music in a Sacred Space

Through April 2017

Third Monday of the month Chapel, 12:15 p.m. to 12:45 p.m.

Live liturgical music from Eastern and Western traditions, curated by Peter Drobac. For more details, visit http://uoft.me/sacred-music

Gerald Larkin Society Lunch

October 13

Combination Room, 11:30 a.m.

Invitations will be sent to members. Information: Meredith Meads, (416) 978-2371, meredith.meads@utoronto.ca

The 41st Annual Book Sale

October 20 to October 24 Seelev Hall

Opening day: Thursday October 22, 12 p.m. to 9 p.m. Admission \$5 opening day only; Friday, 10 a.m. to 9 p.m.; Saturday, 10 a.m. to 8 p.m.; Sunday, Noon to 8 p.m.; Monday, 10 a.m. to 8 p.m. Information: (416) 978-6750

Annual Meeting of Corporation

October 27

George Ignatieff Theatre, noon

Information: Helen Yarish, (416) 946-7611, yarish@trinity.utoronto.ca

Conversations with the Chancellor: Dr. Carolyn Bennett

October 28

George Ignatieff Theatre, 7:30 p.m.

The Honourable Dr. Carolyn Bennett, Minister of Indigenous and Northern Affairs and M.P. Toronto-St. Paul's, joins Chancellor William Graham for an intimate conversation about her work on building right relations with Canada's First Nations, and other important policy issues.



Salterrae Society Dinner

November 3

Seeley Hall, 6:30 p.m.

The Salterrae Society recognizes donors who have donated more than \$100,000 to Trinity over their lifetime. Invitations will be sent to members. Information: Andrea Luchini, (416) 978-8251, andrea.luchini@utoronto.ca

The Margaret MacMillan Lecture in International Relations

November 22

George Ignatieff Theatre, 5 p.m.

Guest speaker is Philippe Sands, Professor of Laws and Director of the Centre on International Courts and Tribunals at University College London.



Provost's Leadership Donors' Tea Party

December 4

Provost's Lodge, 2:30 p.m.

Tea followed by Advent Lessons and Carols. Invitations will be sent to members. Information: Julia Paris, (416) 978-2707, julia.paris@utoronto.ca

Advent Lessons and Carols

December /

Trinity College Chapel, 4 p.m.

Trinity College Chapel Choir under the direction of John Tuttle, Organist and Director of Music.



Trinity Service at St. James Cathedral

January 15

St. James Cathedral,

65 Church Street, 4:30 p.m.

Evensong with the Trinity College Chapel Choir under the direction of John Tuttle, Trinity College Organist and Director of Music.

Photographic Memory

Wedding Corner



For David Plant '77, Trinity's newly elected Alumni Association chair, the College holds a special place in his heart—not only as his alma mater but all

heart—not only as his alma mater, but also as the setting for his wedding to classmate Patti Brownridge '76 some 37 years ago. Their two daughters, Miranda and Titania, both went on to study at Trinity—and both continued the family tradition of being married in the Trinity Chapel.

"I feel very lucky that our family has had such close ties to Trinity through the years," says Plant. "I can still remember feeling my heart well up with happiness at seeing my bride, Patti, coming down the Chapel stairs. And nothing beats the feeling of a father's joy and pride when escorting his daughters down the same aisle years later."





Share your wedding memory

Since its official consecration in 1955, hundreds of weddings have taken place in the Trinity College Chapel. Was yours among them? To share your Trinity Chapel moment, send a photo of your wedding day along with a 150-word written account of your experience. Please provide a high-resolution scan of your image (350 dpi or greater, scanned at 100 per cent). Original photos may also be sent for scanning and will be returned. For more detailed submission guidelines, please send an email to magazine@trinity.utoronto.ca.

- 1. January 20, 1979: The tradition begins with the wedding of David Plant '77 and Patti Brownridge '76
- 2. June 4, 2011: The wedding of Miranda Plant '08 and Todd Byers. Pictured, left to right: Patti Plant '76, David Plant '77, Miranda Plant '08, Todd Byers, Dorothy (Todd) Byers '77, Ted Byers '79
- **3.** May 21, 2016: The family celebrates the wedding of Titania Plant '11 and Dr. Jason Woodfine '12



Annual Book Sale

Annual Book Sale Oct. 20 – 24, 2016



Trinity College, 6 Hoskin Avenue, Seeley Hall and the Board Room on the second floor

For sale hours or more information, please call 416-978-6750; e-mail FOTL@trinity.utoronto.ca; or visit www.trinity.utoronto.ca/booksale

\$5 admission on Thursday; free all other days
Organized into more than 100 categories
Large collection of rare books
Many books in mint condition
Stock replenished daily
Sale proceeds support the John W. Graham Library

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