

A TIME TO CELEBRATE



Convocation 2009

 DALHOUSIE
UNIVERSITY
Inspiring Minds

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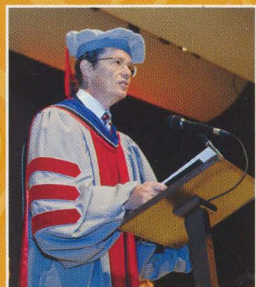


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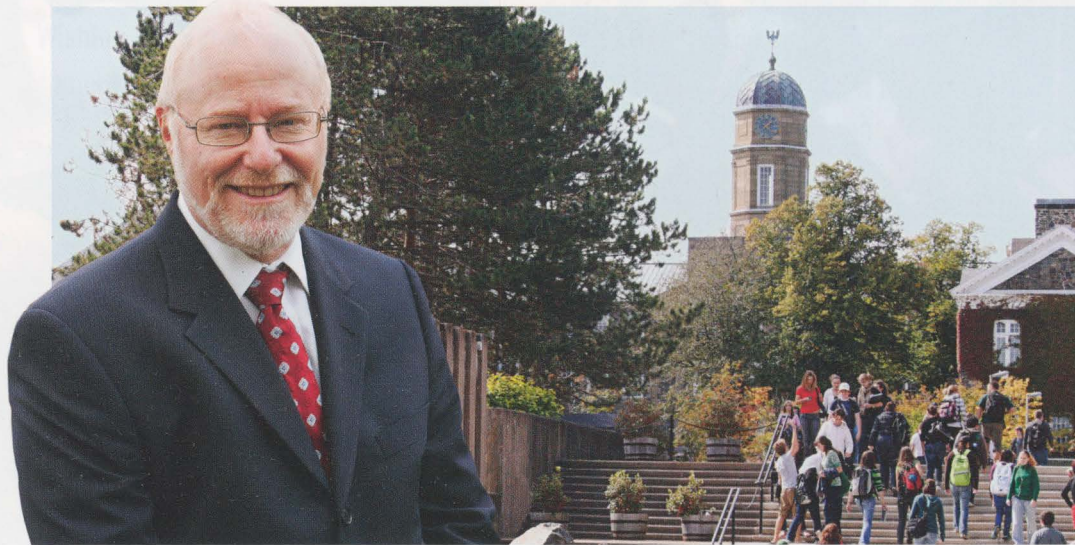
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THE DALHOUSIE EXPERIENCE



Graduation is a celebration of effort and achievement, as well as the realization of many hopes and dreams. It is a memorable step on a journey that began a long time ago. Enjoy this moment fully; remember how you got here; take pride in your well-earned accomplishments.

I want to offer a special thank you to your family and friends who have supported you along the way. Your success reflects their love and support. We all depend on others as we make our way in life.

Just as a university education connects you to the world, learning also takes place outside the classroom. From raising tens of thousands of dollars for the fight against cystic fibrosis during Shinerama, to volunteering locally and abroad, to working and sharing with fellow students, you've already seen the

impact of serving others. Some say that this is the real secret of happiness. Take these lessons to heart.

I'm sure you have many fond memories of your time here. Friends, parties, special events, exceptional achievements, even all-nighters and demanding professors — they're all part of the Dalhousie experience. From talking to thousands of Dal alumni around the world, I know that these memories will last a lifetime. We hope we've had a positive impact on you. Now it's your turn to make an impact. Enjoy the journey that lies ahead.

*Tom Traves,
President, Dalhousie University*



A NEW CHAPTER BEGINS

Wishing joy to the family and friends of our more than 2,700 Spring, 2009 graduates.

The newest alumni are leaders who are already taking up the challenge of creating a better quality of life.

We're pleased to introduce some of the graduating class of 2009.

Living your passion

For as long as he can remember, **Andrew Shouldice** has been drawing, doodling and painting. He confesses that sometimes he'll even sneak a sketch when he should be tackling a classroom problem.

That love of design hasn't dissipated as he's moved into the databases and disc drives world of computer science. With a focus on computer animation, Andrew's honours thesis provides a model for ocean surface simulation – manufacturing the perfect seascape for everything from video games to flight simulators.

“You want the ocean to be physically accurate, but my take is that you have to always make it look good at the same time,” he explains. “You need to be conscious of the balance between something that is technically correct and something that simply is awesome to watch.”

Mr. Shouldice, originally from Dartmouth, transferred to Dalhousie looking to get more out of his education than a technical degree. “I wanted to do something a bit more meaningful...I wanted to stretch myself, push myself more.”



Andrew Shouldice

2004

White Juan

Record-breaking 95.5 cm of snow blankets Atlantic Canada. Residence students shovel snow for nearby seniors.

Tsunami Relief

After killer waves spread across the Indian Ocean at the speed of a jet airliner, local volunteers raise \$100,000. Law Prof. Richard Evans accepts this donation on behalf of Oxfam Canada to aide in the relief effort.

A stellar student with several awards and Natural Sciences and Engineering Research Council grants to his name, Mr. Shouldice has been a familiar face in the Computer Science Society, serving as president, social rep and undergrad rep. He's not only donated his time but his talents.

He created the pixilated version of the Dal shield that adorns the society's most popular T-shirt, and also designed the Computer Science grad ring that many of his fellow graduates will be purchasing for the first time this year.

"To me, design is about coming up with something aesthetically appealing that communicates an idea," he says. "Above all else, that's what's important to me."



The environment needs a lawyer. **Alison Koper** intends to be its attorney. The graduating environmental science student decided to pursue a career fighting for the environment at the early age of 10. While driving through the Rockies on a ski trip as a child, she saw smoke from a large cement factory. "I need to fix that," she remembers thinking. A determined young Ms. Koper had a glimpse of her future.

Choosing Dalhousie for its reputation in sustainability, she enrolled in environmental programs, with a concentration in earth sciences. Ms. Koper became actively involved, joining the Dalhousie Environmental Programs' Student Society in 2005 and serving as president since 2007. The impact of these experiences surprised her.

"I had no idea how much I'd grow here. I've made lasting relationships with friends and faculty, gained confidence and became more aware of the world around me and how I can help change it," she says.

The Calgary native returned home each summer working for an environmental consulting firm, undertaking projects within the oil and gas industry. "I saw the environmental challenges facing business from a whole new perspective," she explains.

She is a recipient of the Owen Hertzman Prize for significant contribution to the environmental programs' student life at Dalhousie, winner of the 2009 Shell Prize for excellence in petroleum reservoir modeling and a member of the Canadian Commission for UNESCO Youth Advisory Group. She also assisted in the creation of Dalhousie's new College of Sustainability, which offers the first-of-its-kind Environment, Sustainability and Society program.

This fall, Ms. Koper will pursue a degree in environment and natural resource law at the University of Calgary, hoping to help create policy and laws that increase energy efficiency and encourage sustainable energy development.



Anna Calvert is taking on the considerable challenge of Canadian wildlife conservation, new PhD in hand.

She notes that "climate change" is often thrown around as a threat to many aspects of life on Earth, yet surprisingly little is known about which life forms may be most vulnerable to the impending changes. Her PhD thesis examines that question using her studies of migratory songbirds and mathematical models to assess how important weather and climate are to the decisions they make while migrating. Improving the design for modeling mark-recapture data, she found that songbirds will respond to both broad climatic patterns and to local-scale weather variation, but that shorter-distance migrants may respond more readily to weather changes. This leaves longer-distance migrants potentially more vulnerable in the future.

While her academic work keeps her busy, her favourite non-academic aspect of life in Nova Scotia is the easy access to hundreds of quiet, beautiful lakes. Over the last four-and-a-half years, she has spent as much time as possible canoeing and camping around the province with her husband and dog. "The rocky landscapes, abundant cranberries and peaceful campsites gave me the energy I needed to fuel my studies," she says.



Alison Koper

2005

Rhodes Scholars

Dalhousie students sweep the Atlantic Region's Rhodes Scholarships: Anna Robinson (Neuroscience), Matthew Knox (Kinesiology) and Graham Reynolds (Law).

DalHabitat

Hurricane Katrina strikes the Gulf Coast, submerging New Orleans. Volunteers organize DalHabitat to lend a hand with the 'Gulf Coast Build.'

Collaboration has been a key element of her academic success at Dal. “I really benefited from the support, collaboration and friendship of a great network of fellow grad students and professors,” she says. “One of the biggest things I’ve learned during the course of my PhD studies is that collaboration with others in similar or complementary fields of study is key to effective, efficient and enjoyable research.”

As to the future, Ms. Calvert wants to remain involved in conservation research for Canadian wildlife, and specifically hopes to use her quantitative modeling skills to develop improved population projections and targeted conservation plans. “I hope to do some post-doctoral research for a few years, and then to lead into work with the federal government related to declining or endangered populations of birds or other wildlife at risk,” she adds, taking up the conservation challenge with a renewed vigour and optimism for the future.

Service to others

The worst global financial crisis since the great depression underscores the need for corporate social responsibility as a fundamental part of business education. Long before the current global crisis, the topic of business ethics fascinated **Matt White**.

Mr. White, who is graduating from the Bachelor of Management program, was so interested that he organized and led an annual workshop for North American business students.

The Dalhousie Business Ethics Case Competition was a three-day event that took place in November of 2008 and involved teams from eight



Anna Calvert

State of the art ... and business!

Students begin classes in the ultra-modern Kenneth C. Rowe Faculty of Management Building.

2006

A matter of degree

Dalhousie awards degree to its 100,000th graduate, 140 years after the first Bachelor of Arts was presented in 1866.

2007

Building the province

Dalhousie celebrates 100 years of engineering education through 'Tech,' 'TUNS' and the Faculty of Engineering.



Matt White

schools across Canada and the U.S. It was the only business ethics case competition in North America.

“It was a competition, but more importantly, it was a learning experience for all of us. We got to know each other, and we learned from many different perspectives on ethical decision making in the business context. It was an amazing event.”

Originally from Kingston, Ont., the business student rounded out his academic success by taking on a leadership role in several extracurricular activities. In addition to the competition, his experience as head race coach for the Kingston Yacht Club inspired him to help create Dalhousie’s first-ever sailing team. Both the annual business case competition and the sailing team will continue on after Mr. White leaves, something he is pleased about.

“If I didn’t have my extracurricular activities while at Dal, my experience would have been very different,” he says. While he’s excited about the future, he says there is a lot he’ll miss about Dal. “Every class I took, I enjoyed. Every professor I had was inspirational to me. I chose my classes to have as diverse an experience as possible, and I got that.”



Are Canadian nurses ready to be deployed to combat zones? It’s a question **Melissa Devine** asked herself as a nursing officer in the Canadian Armed Forces. Ms. Devine, who completed a mission in Bosnia as a flight nurse, has been to many parts of the world.

With the increasing emphasis on international deployment over the past few years, the nursing graduate believes it’s important that nurses are ready for the challenges they’ll face overseas. Her master’s



Melissa Devine

thesis is a self-assessment tool of a military nurse’s individual readiness for deployment. “I thought it would be good to give them a tool to measure whether they were truly prepared,” she says.

Ms. Devine is now graduating with a Master of Nursing degree, a significant accomplishment that was not without its challenges. While at a critical point in her thesis work, her husband was deployed for six months in support of Canada’s mission in Afghanistan. For Ms. Devine, this

Dal wins first

Dalhousie provides the best research environment for post-docs outside the U.S., according to *The Scientist* magazine.

A new lease on life

Dalhousie’s second home was the Forrest Building. Today, the renovated and historic brick building houses many health professions.

2008

Anne with an “e”

For 100 years, readers have loved the novel *Anne of Green Gables*. Author Lucy Maud Montgomery studied English literature in the Forrest Building.

Literary threads

Children’s writer Budge Wilson (BA’49, BEd’53) writes the prequel *Before Green Gables*.

meant balancing considerable schoolwork with the needs of her two small children, age nine and four, and trying to carve out a bit of time for herself.

“If you do just concentrate on school, it consumes you,” she says. “You have to have work-life balance.”

After graduation, Ms. Devine returns to her position as a standards officer at CFB Borden and is hoping to be deployed again this summer to Landstuhl Regional Medical Centre, the hospital in Germany where injured Canadian soldiers are taken when they leave Afghanistan. She will be receiving injured soldiers when they arrive, following their care and making all the arrangements for their aeromedical evacuation home.



Luke Williams wants to make the world a more efficient and less wasteful place. “I grew up playing with Lego and fell in love with building and creating things,” says the graduating mechanical engineering student. “I’ve always tried to make the most with as little as possible.”

With advice from his uncle, a civil engineer, Mr. Williams placed second in a junior high Popsicle stick bridge competition. “After that, I set my goals and concentrated on my studies to get into engineering.” He did just that, and that attitude carried him through a successful undergraduate career.

Hoping to enhance student experience, Mr. Williams became president of the Dalhousie Undergraduate Engineering Society in 2005. In this position and in future roles as vice-president

and president of the Dalhousie Sexton Engineering Undergraduate Society from 2006 to 2009, he helped create a more student-friendly environment.

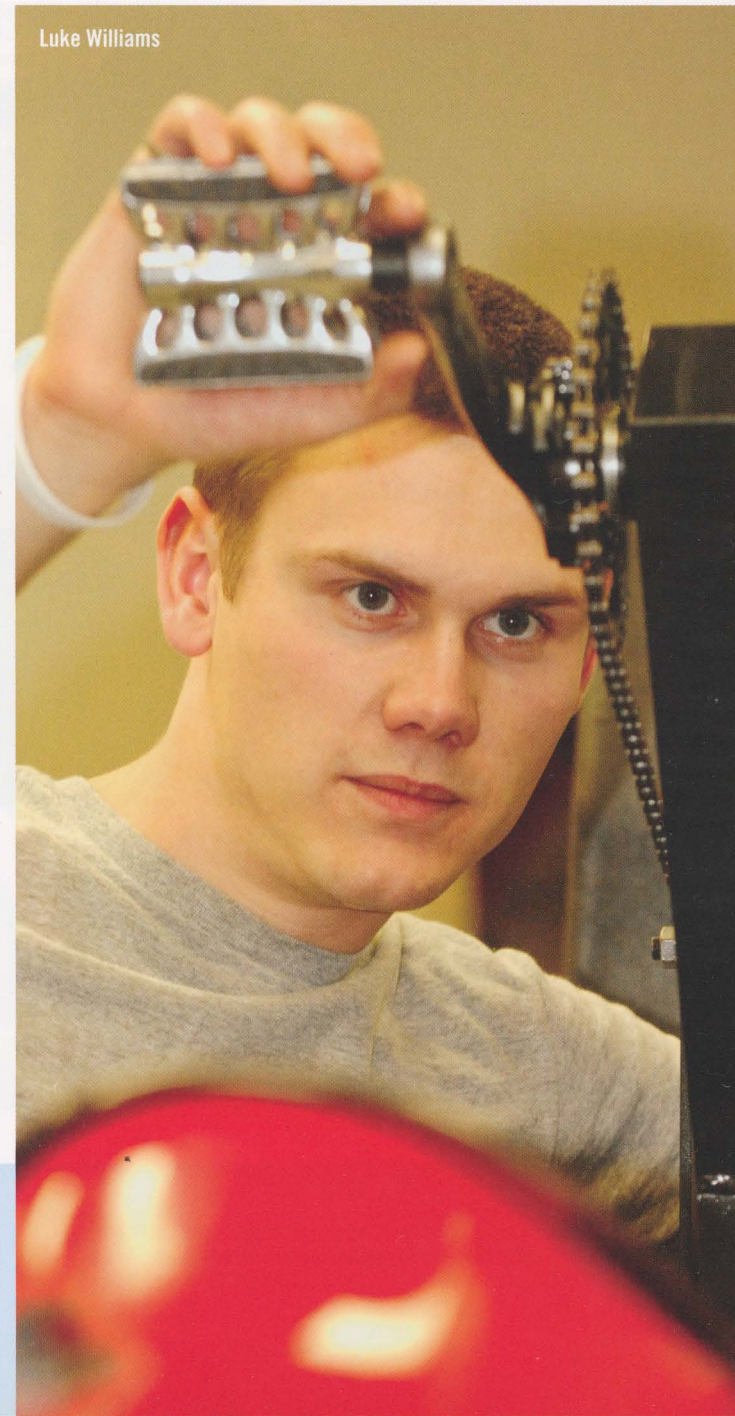
Despite heavy demands on time, the Dartmouth native organized and participated in ‘Pulling for kids,’ an event that saw engineering students pull two cars for 12 hours raising nearly \$7,000 for Christmas Daddies. “It was definitely one of my greatest accomplishments,” he says. An avid paddler, Mr. Williams was also a member of Dalhousie Kayaking Society and Concrete Canoe Team.

The Bob Walter’s Award recipient for fellowship, sportsmanship and scholarship has represented Dalhousie at the Canadian Federation for Engineering Students Annual Congress in 2006 and 2008, and is the 2008 – 2009 Dalhousie Student Union’s Society Professional of the Year.

Hoping to work in the energy conservation sector, Mr. Williams also hopes to pursue an MBA to further his management and team building skills. “A lot has surfaced in renewable energy sectors and there’s much more we can do to conserve energy and make things more efficient. I want to be a part of creating that.”



Luke Williams



Mission to Mars

Canada Space Agency and NASA send the Phoenix Scout to Mars to investigate water. The weather station onboard includes lidar technology developed with the expertise of Dalhousie researchers.

OTN

The \$160 million Ocean Tracking Network – headquartered at Dalhousie – unites scientists in the most comprehensive study of marine life and ocean conditions ever undertaken.



One of the most satisfying experiences for dentistry student **Paricher Irani** (or “Pari” to her many friends) was providing hands-on care for the diverse patients who visit the Dalhousie Dentistry Clinic.

It’s the patients’ appreciation that she cherishes most.

“We have time for them and I think I made a difference,” she says.

Born and raised in West Africa, where her father administered aid programs and her mother taught school, she intended to become a dentist from the age of 13. “I wanted to be of service,” she says.

For Grade 10, she moved to Fredericton, New Brunswick to live with her older brother because she was determined to go to a Canadian university.

Gifted in languages and public speaking, she provided a voice for others with award-winning speeches on “The Gap between the Rich and Poor in our World,” and “The Role of Youth Today.” Premier Bernard Lord invited her to participate on the New Brunswick Advisory Council on Youth.

Whether it’s working with refugee families to help them settle into new homes; teaching martial arts to elementary school children; fundraising for children with haemophilia in Morocco; or working with young adults from Halifax, Ms. Irani strives to make those personal connections and to build unity.

“Yes, there are days that are daunting but you just have to set reasonable goals and keep trying,” she says. “We’re not meant to be alone.”

Following graduation, she’ll be moving to Grand Falls / Windsor, Newfoundland, to deliver dental care to rural communities.

Perseverance

Going back to school after a decade is not an easy decision. Doing it as a newly-single mother of two young children would be unthinkable to many, but not **Nicole Adams**.

“I need benchmarks,” says Ms. Adams, who is completing the College of Continuing Education’s Transition Year Program. “I need to know what



Olympians

Dalhousians Adrienne Power, Karen Fournoux, David Kikuchi, Oliver Bone and Kiera Aitken compete in the Olympics.

Academic All-Canadians

Eighty student-athletes are recognized as Academic All-Canadians for excellence in varsity sport and academics.

National Top-8 Academic All-Canadian

Volleyball captain Niklas Rademacher is chosen as the male student-athlete for Atlantic Canada.

the next benchmark is and when I hit it, I make a new one. My goal was always to move to the next best opportunity.”

After years of job hopping, and with the support of her family, Ms. Adams is redirecting her life towards the goal she’s had since she was 12 years old: to become a doctor. Getting used to being a student again wasn’t as hard as she expected: “When you’re a single mom and used to running a household, the workload doesn’t take all that much adjustment,” she laughs. “The biggest change was opening my mind to critical thinking, learning to challenge and discuss what I was being presented with.”

Her next benchmark is a Bachelor of Science degree in molecular biology and biochemistry with neuroscience as a second major. Her interest in medicine is personal: she hopes to study neurofibromatosis, a genetic disease that runs in her family.

“I believe that the best way to give back to society is to give something that means everything to people: their health, their well-being, their life,” she says. “Contributing to biological and medical science is the best way for me to do that.”



Sometimes it’s the road less travelled that eventually leads to the right destination. Such is the case for **Shane Andrews**, who is graduating from Architecture and Planning.

Originally from Wolfville, N.S. he jumped to the opposite coast to settle in Victoria, B.C. “I knew my heart was in the arts,” says Andrews, who earned his Bachelor of Fine Art History at UVic in 2002.

Admitting that he’s “curiosity driven,” he has never been the type of person to sit still. Next,

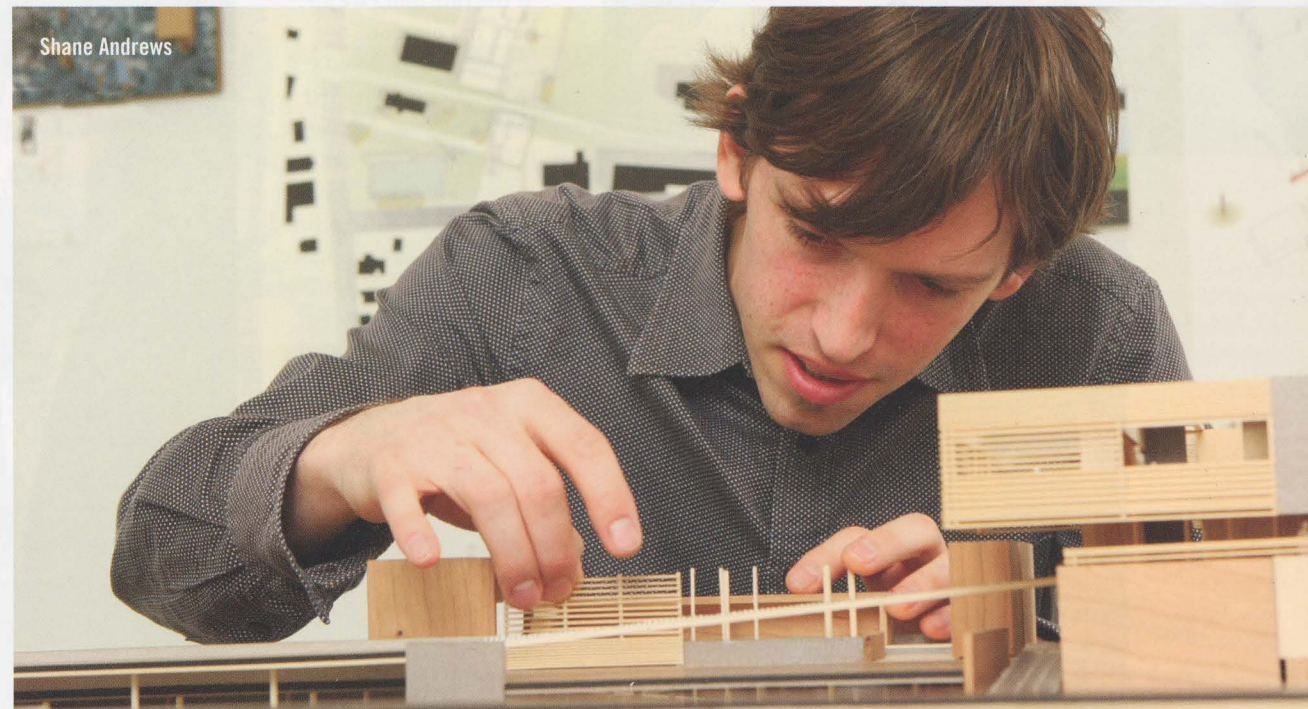
he branched out to explore the world, travelling throughout Europe, Asia and North Africa, before spending time in Hong Kong teaching English. The circuitous path enabled him to gain a better understanding of his own strengths.

“I found my passion is travel,” he says. “And –architecture and travel go hand in hand.” Returning to his native Nova Scotia, he first earned a degree in Environmental Design at Dalhousie.

He still didn’t feel that his journey was complete and the challenge of combining both

artistic and scientific disciplines drew him toward architecture. He chose the Dalhousie program because of the strong relationship between faculty and students. His thesis presentation focuses on his design for a market with indoor farming, an emphasis on local produce and restaurants with complete kitchens.

After all this, he recognizes the need for his home base to be in Nova Scotia. “I just love Nova Scotia, and none of this would have been possible without the support of family and close friends.”



Shane Andrews

Coaching kudos

Volleyball coach Dan Ota repeatedly wins Atlantic University Sport (AUS) coaching honours.

CBC's Spread the Net

Students win national fund-raising challenge to protect African children from malaria-infected mosquitos. CBC's Rick Mercer celebrates by riding engineering students' concrete canoe down Citadel Hill.

Sherlock of rock

Deciphering a mysterious piano chord in the Beatle's Hard Day's Night garners international acclaim for math professor Jason Brown, a guitar aficionado.



Nermine Gorguy

Student Experience

Graduating with her third Dalhousie degree, **Nermine Gorguy** didn't always plan on going into medicine. In fact, she remembers telling her mother – a psychiatrist – that she wasn't planning to follow in her footsteps.

"I wanted to make sure that I was going to be happy with what I was doing for the rest of my life," she says. "I had to come to medicine on my own terms."

Ms. Gorguy, who was born in Cairo, Egypt and immigrated to Canada when she was 10, completed her BSc in biology and psychology and her Master's in biology before deciding that her love of science and helping others could be best fulfilled with a medical degree. Four years later, she's about to start

her residency in family medicine in London, Ontario.

One of her most memorable experiences was as a medical student taking part in the Canada International Scientific Exchange Program as part of a pediatric emergency medicine elective. The course brought together medical students from Canada, Israel, Jordan and Palestine.

"For me, it was a reconnection of past with present," she says, referring to her shared Canadian/Egyptian upbringing. "I felt like I understood where everyone was coming from, with medicine as the one thing we all have in common."

It's those personal connections – with her peers, her professors and her fellow participants in extracurricular activities like fencing – that defined her Dalhousie experience.

"I'm incredibly grateful to know the people I've been able to meet, who guided and advised me," she says. "If it wasn't for all of them, I wouldn't be here doing what I love."



Cy Giacomini wants to be limitation-free. Aspiring to compose music for the film industry, he plans on never having to say 'I can't.'

This mindset has seen him go from first-year music student to full-service musician and composer and a member of a faculty he calls "a tight-knit family."

"Dalhousie is definitely my home," says Mr. Giacomini. "When I arrived it wasn't long before I realized this place was my life, my study, my work, my friends and my family." An aspiring musician before enrolling in the Bachelor of Music program, the Halifax native took an early interest in composition and chose it as his concentration.



Cy Giacomini

2009

Leatherback turtles

Human carelessness with discarded plastics is threatening leatherback turtles with extinction, finds adjunct professor Mike James.

UNESCO

Overpopulation, climate change and pollution touch everyone. UNESCO promotes the Decade of Education for Sustainable Development.

College of Sustainability

Dalhousie creates an integrated approach to sustainable education for undergraduates, earning international recognition.

Yes we can

The Dalhousie community is captivated by the inauguration of U.S. President Barack Obama.

His Dalhousie experience culminated in winning the 2008 Concerto Night Competition in Composition. The honour of having an original composition played live by the Dalhousie Concerto Night Orchestra was the highlight of his academic career. “It was an opportunity few in any music program are fortunate enough to have,” he says. “I’m eternally grateful to the department for this honour.”

A recipient of the Effie May Ross Scholarship, James and Abbie Campbell Scholarship and the Don Wright Scholarship, he has also directed musicals at the Dartmouth Players Theatre. Continually diversifying, his courses in music technology have enabled him to craft an original song from computer software to final product.

Mr. Giacomini will continue his education next year attending McGill University for his master’s degree in music.



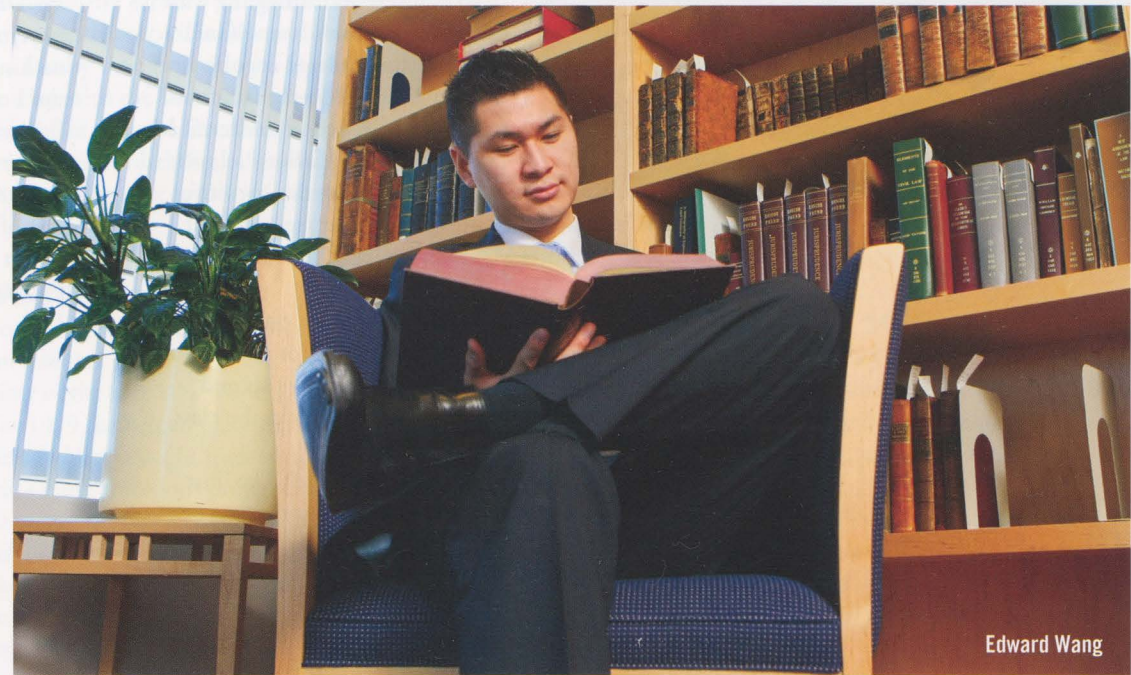
Good time management has been key to allowing **Edward Wang** to seemingly fill every moment of his time at Dalhousie.

The law graduate bolsters the demanding schedule of studying law with a range of on-campus activities including serving as chair of the Law Students’ Society, acting as treasurer and director of operations of the weekly Law Hour Speakers’ Series, serving as co-president of the Asian Law Students Society, and representing students in the Career Development Office and on the Summer Research Funding Committee.

“He has made an extraordinary contribution to the law school and to school spirit during his time here,” says Elizabeth Hughes, assistant

dean (academic) at the law school. “He is the first person to volunteer for anything that needs doing in the school and has shown an abundance of generous spirit towards the school, the faculty, administration and his fellow students.”

Mr. Wang revels in keeping busy. He notes, “A typical week at law school includes lots of reading, classes, maybe a career fair, a special lecture, weekly Thursday Domus Legis nights, a wine and cheese reception, and maybe Law Ball. It’s been an enjoyable whirlwind of school and fun. I believe that being involved with one’s school goes beyond just academic studies.”



Edward Wang

Mr. Wang now plans to return to his home in Vancouver, and will be articling with the law firm of Borden Ladner Gervais LLP. After that, he plans to practise in Vancouver.

He sums up his time at Dal as the perfect combination of academics, social life, career and professional development and community involvement. He adds with characteristic understatement, “there has never been a dull moment.”

Partnership for health

The Atlantic Partnership for Tomorrow’s Health signs up 30,000 volunteers for a 30-year study on how lifestyle, environment and genetics influence cancer risks.

Medical discovery

Dalhousie researcher Dr. Patrick Lee announces medical breakthrough: a virus can kill breast cancer stem cells.

From ‘me’ to ‘we’

Social work professor Michael Ungar writes *We Generation: Raising Socially Responsible Kids*.

TRACY TAYLOR-HELMICK



Alumni Award recipient for Excellence for Teaching

For Nikola Hartling, it was a gesture that made an immeasurable difference in her life. Back when the graduating student was in second year and struggling with university, she found herself in Tracy Taylor-Helmick's large cognitive psychology class of 200-plus students.

Prior to the second midterm, Ms. Hartling says Dr. Taylor-Helmick suggested applying the cognitive theories taught in class to her study habits and seeing if that would help. It did, reports Ms. Hartling, "and for the first time I got an A+."

Not only that. The psychology professor sent out congratulatory emails to the students who received an A or an A+ grade, Ms. Hartling among them. But she also received a second email, this one telling her that of all the students in the class, she had made the most improvement.

"For the first time at Dalhousie, I no longer felt like 'just a number,' I felt as though someone cared about my success; and at that moment, I realized I wanted that success," says Ms. Hartling, who treasures that message and reads it over whenever she needs a boost.

No stranger to large classes, Dr. Taylor-Helmick says she makes it her mission to reach out to students – she notices them and she knows their names. It's that extra effort, not to

mention her enthusiasm for the subject matter and engaging style, that has led to her being awarded Dalhousie's top teaching award, the Alumni Award for Excellence for Teaching.

"I remember being back in their shoes and feeling invisible," says Dr. Taylor-Helmick, 40, who tries to make herself less anonymous too, by using examples from her own life in her teaching instead of from the textbook. "So I try hard to make sure I can see everyone and to let them know I care."

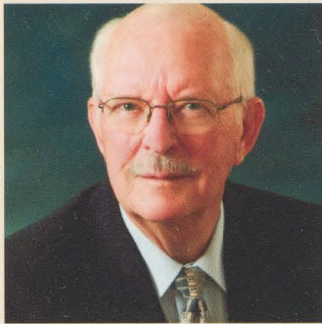
But teaching has never been easy. Even after 10 years on faculty at Dalhousie, she still finds her nerves are frayed before the start of class and compares the feeling to mounting the crest of a steep incline in a rollercoaster.

"But it's manageable anxiety," she reassures with a smile. "It actually feels like fun. A three-hour class will fly by."

MAKING AN IMPACT

Honorary degrees are traditionally awarded to recognize outstanding individuals who have truly made a difference.

ROBERT ANDERSON



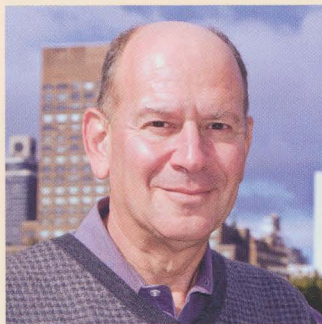
As a teacher, physician and academic, Robert Norman Anderson embodies a philosophy of health care that puts people first. A humanist and an ethicist, his insights have inspired several generations of students who have walked the halls of Dalhousie's Faculty of Medicine. After earning his medical degree from Dalhousie in 1954, Dr. Anderson, a cardiologist, returned to campus in 1961 as a faculty member with the Department of Medicine and a clinician with the Victoria General Hospital.

Students and peers alike describe Dr. Anderson as a "visionary" leader, with great talent for helping others focus on their personal goals. Residents who were under his direction can

still recall his bedside manner, equally adept at listening and relating to the patient as he was at diagnosing. No matter the situation, his enthusiasm shone, encouraging generations of students and house staff to approach their profession with the same positive outlook.

Dr. Anderson continues to give back to Dalhousie, serving as a present member and past vice-president of the Dalhousie Medical Alumni Association.

JESSE AUSUBEL



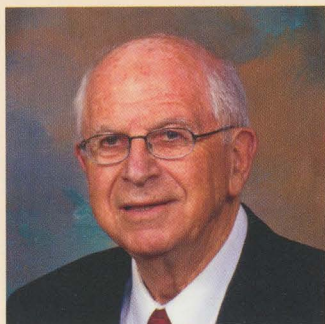
Jesse Ausubel believes solutions to our most pressing problems are inseparable from science.

As the co-organizer of the first UN World Climate Conference in Geneva in 1979, he helped place the crisis on the global radar. Mr. Ausubel has brought leadership and ingenuity to some of the world's most ambitious projects, including the first comprehensive review of the greenhouse effect. In 1989 he moved to Rockefeller University, establishing an innovative research program examining the long-term interaction of technology and the environment.

He was a key organizer of the Census of Marine Life, an international marine life observation program that boasts a

network of over 2,000 scientists. Mr. Ausubel led the creation of the Encyclopedia of Life (EOL), a free website featuring the planet's species, created climate-oriented board games, inspired computer games like SimCity and is now program director of the philanthropic organization institution, the Alfred P. Sloan Foundation.

Mr. Ausubel's influence and impact on climate research are immeasurable. His leadership and collaborative spirit have made him a true pioneer of climate change science, and he continues to be a definitive force in the field.



DANIEL ANDREW EISENHAUER

Small and medium-sized companies form the backbone of many Canadian communities. Such is the case with the ABCO Group of Companies, an innovative engineering firm that became a solid part of the Nova Scotia economy under the skillful leadership of Daniel Andrew Eisenhauer.

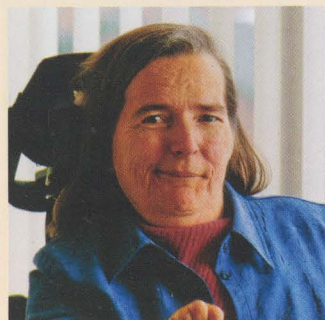
Mr. Eisenhauer, a graduate of Dalhousie and the former Nova Scotia Technical College, co-founded Lunenburg's Atlantic Bridge Company Limited – ABCO – in 1947, providing engineering solutions for the fishing industry. With partners, he expanded the business to form the ABCO Group of Companies.

Initially, ABCO focused on shipbuilding, construction of

wharves and breakwaters, and mechanical contracting in U.S. Air Force bases in Newfoundland and Labrador. In the 1950s, the company began fabricating equipment from aluminum and stainless steel, benefiting fish-processing throughout Atlantic Canada. During the 1960s and '70s, ABCO was the main facility in the region for fish-processing equipment.

In the 1980s, Mr. Eisenhauer successfully reorganized the ABCO Group of Companies and his son, Jim, succeeded him.

Mr. Eisenhauer has served as the Chair of the Board of the Technical University of Nova Scotia and as a member of the Dalhousie University Board of Governors.



CATHERINE FRAZEE

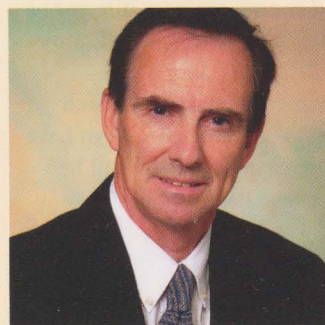
Catherine Frazee is one of Canada's most influential disability rights activists, exposing barriers to equality and proposing systemic changes that challenge inequality.

Ms. Frazee provides an original voice in articulating a disability perspective, as a person living with mobility impairment. She fosters a broader public recognition of the artistic contributions of disabled artists and an appreciation of their cultural significance within the larger Canadian social, political and ethical landscape.

As a professor of distinction and co-director of the Institute

for Disability Studies at Ryerson University, she has created original courses, including: *Disability and Ethics*, *Disability Policy* and *Human Rights and Disability*. She also provided leadership and direction as the chief commissioner of the Ontario Human Rights Commission.

She was the Bertha Wilson Visiting Professor at the Dalhousie Law School. Ms. Frazee continues the long standing Weldon tradition of "unselfish public service," a vision that lies at the heart of the Dalhousie Law School.



DONALD GILLIS

Statisticians say most Canadians will move through three careers during a lifetime. But some people defy statistics in the most positive way. Donald John Gillis is one of them.

Mr. Gillis has dedicated his entire career to engineering education and research. For close to 40 years, he engaged students in the fascination of engineering. He has inspired them to develop solutions to challenges such as beach erosion, heat-loss in buildings and unsafe playground equipment.

He designed and began teaching the first engineering program at what was then Prince of Wales College, Prince Edward Island. A year later, he redesigned the engineering program at

the newly-formed University of Prince Edward Island, bringing it into Nova Scotia's Associated University Engineering system.

Donald Gillis's research efforts directly benefited people, his community and industry. He developed video image enhancing technology to detect parasites in fish. He created a hydraulic slipway for lifting inshore fishing boats. He designed and developed paraplegic devices that improved the quality of life for countless people.

Political, recreational, community and government groups have all been fortunate to tap into his extraordinary energy and skill.



JOAN GLODE

Joan Glode has devoted her life's energies toward improving the conditions and lives of First Nations children and families in Canada.

Her quiet determination and passion for social justice have made her one of the most recognized names in advancing child welfare in this country.

Ms. Glode became executive director of Mi'kmaq Family and Children's Services (MFCS) in 1985. In that position – which she still holds today – she oversees service support to all 13 Mi'kmaq communities in Nova Scotia. MFCS is one of the most highly-respected child welfare agencies in Canada. Under

her leadership, the agency assumed all the functions of a child and family services agency, including child protection. Since its founding, the agency has started to reverse the trend of Mi'kmaq and other Aboriginal children in Nova Scotia being adopted out of the community.

Joan Globe's long history with Dalhousie began in 1973, when she became the first Mi'kmaq woman in Nova Scotia to receive a Master of Social Work degree. She has been recognized by many organizations, and recently received a National Aboriginal Achievement Award for public service.



GORDON M. NIXON

As the President and Chief Executive Officer of RBC Financial Group – the Royal Bank of Canada and its subsidiaries – Gordon M. Nixon is one of the most accomplished bank CEOs in Canadian history. Since assuming the role in 2001, he has also become one of our country's most respected corporate leaders.

RBC is not only Canada's largest financial institution, it is the fourth largest bank in North America and the 10th largest in the world. RBC operates in 54 countries around the globe, and employs more than 80,000 people.

For many in the financial services industry, these are tough days; 2008 was, in fact, the most challenging time for the financial services sector since the Great Depression. Despite that, RBC maintains a position of strength. Earlier this year, Mr. Nixon reported to shareholders that the bank remains not only the most profitable in Canada, but one of the most profitable in the world.

Given his record of leadership, it is perhaps not surprising that, in 2007, Mr. Nixon was named Canada's Outstanding CEO of the Year.



NICHOLAS PIPPENGER

Nicholas Pippenger has shaped our understanding of theoretical computer science. A leading intellectual, he is considered the world expert on switching networks.

Dr. Pippenger's work has had a significant impact on computing practice, complemented by an impressive research record in mathematics. His skills in discrete mathematical analysis contributed to the emergence of an entirely new branch of scholarship: the study of mathematical problems that arise from computer science.

Over the course of his career, Dr. Pippenger has published 80 journal articles, 41 conference papers, and a groundbreaking book on the theories of computability. He holds two patents on network switching.

He is Professor of Mathematics at Harvey Mudd College. Before that, he worked for the MIT Instrumentation Laboratory (now the Charles Stark Draper Laboratory), IBM Research, the University of British Columbia and Princeton University. He received a Bachelor of Science from Shimer College in 1965, and a B.S., M.S. and Ph.D in Electrical Engineering from MIT in 1967, 1969 and 1974.

He is well known among peers as an attentive listener, an enthusiastic mentor and an adept problem-solver. His success in research and within the community stems from his intuitive and imaginative nature, combined with an unfailing curiosity and deep intellect.

AN INVITATION TO GRADUATES TO STAY CONNECTED



Today is a special day for you. It marks a significant accomplishment achieved through years of study, hard work and determination. Today is a stepping stone to the next stage of your life. But it also marks the continuation of your Dalhousie experience. You are now a member of the Dalhousie Alumni Association. With more than 100,000 alumni around the world, we are proud to have you join our ranks.

Today, representatives from the Dalhousie Alumni Association present you with a pin as a welcome to the association and to congratulate you on your success. As a member of the association you are entitled to a

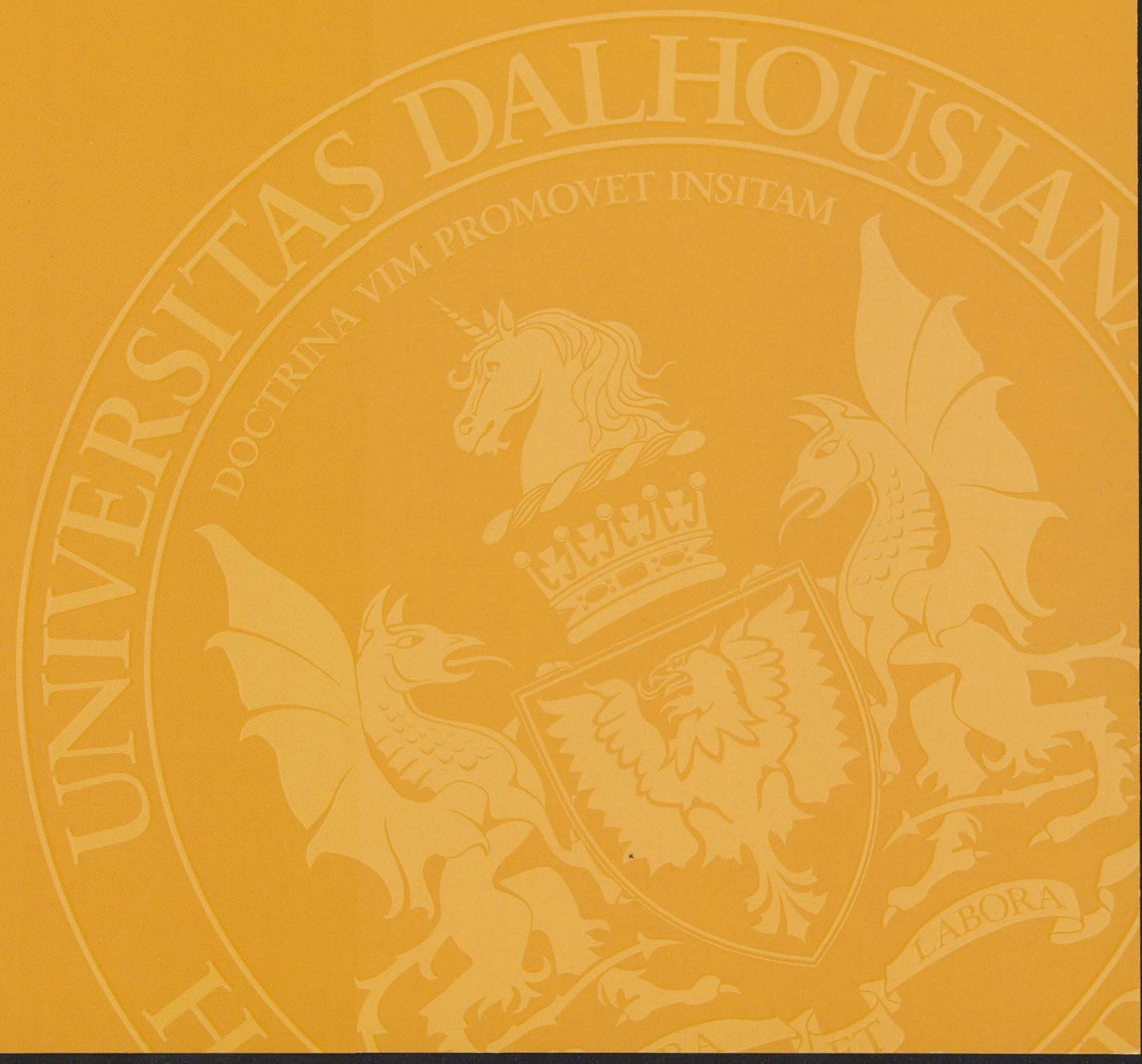
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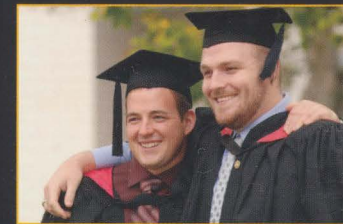
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Congratulations and welcome to the Dalhousie Alumni Association,

Level Y.Y. Chan, BA '99, LLB '02
President, Dalhousie Alumni Association







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