

The Alumni Magazine

Dalhousie

vol. 20 no. 3 winter 2004



**Lucy Kanary –
inspiring
excellence**

**Helping business
go green**

**Out of the lab,
into the
community**

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Photo: Abriel



7 All the king's horses

Cover Story

8 Showing up to make a difference

From a small town in northern Cape Breton comes Lucy Canary. With a list of accomplishments that includes work with advanced materials, emerging companies, and education, she's one of the most influential women in Nova Scotia. She's also a humble person with unmatched passion and strength she says she learned from her parents

*By Valerie Mansour, Andrew Younger, and Leigh Beauchamp Day.
Cover photo by Daniel Abriel*

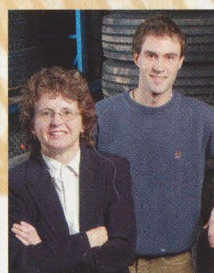
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Some of Dal's researchers are leaving lab coats behind to work directly with people living in remote communities. The goal is a simple one, improving the quality of life for rural Nova Scotia

By Andrew Younger BSc'98, BJ(K)'99

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An improved bottom line and an improved environment can co-exist. Businesses in a Nova Scotia industrial park are doing just that and benefiting from the expertise of Dal leadership

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DALHOUSIE
University

Dalhousie, The Alumni Magazine

Dalhousie is the official periodical of the Dalhousie Alumni Association and appears three times a year. Editorial deadline for the next issue is March 19, 2004.



Photo: Andrea

Farewell, but not goodbye

My eldest child was a babe in diapers when I edited my first issue of *Dalhousie* magazine in 1988. Recently, that same 'babe' celebrated her 16th birthday. Now a young woman, she's heading in new and exciting directions; facing new opportunities; accepting new challenges. And so, after almost 50 issues of *Dalhousie*, am I. This is my final editor's column for *Dalhousie*. I have accepted new challenges within the communications and marketing unit at the university and am – with mixed feelings, I admit – passing my editor's pen to a fresher hand with a new outlook and a new style. I will, however, remain involved with this magazine as an executive editor.

Editing *Dalhousie* has been nothing short of terrific. Through the years, we've published stories of incredible alumni – blacksmiths, brewmasters and business geniuses; philanthropists, politicians and philosophers; doctors fighting disease in impoverished countries, and lawyers helping poverty-stricken street kids. We've documented Dalhousie's growth and development – the rebirth of the law school library after the devastating 1985 fire; our union with TUNS in 1997; construction of a computer science building, the McCain Building and Fountain House. It's been professionally rewarding to have helped build this publication – along with a great team of writers, photographers and designers – into one that has been honoured by university colleagues. *Dalhousie* has received nine national awards from the Canadian Council for the Advancement of Education, including a bronze for Best Alumni Magazine in 2001.

Finally, I hope you enjoy this issue. Like our fall magazine, it was capably put together by acting editor Andrew Younger (BSc'98 BJ(K)'99). Over the years Andrew has written several interesting feature stories for *Dalhousie*.

So for me, it's time to move on. To *Dalhousie's* many readers, thank you. It has been a great pleasure.

June Davidson
 JUNE DAVIDSON
 Executive Editor

The university family

Seven months ago I was asked to sit in as editor for two issues of *Dalhousie*. I immediately agreed and quickly learned that the high quality of the magazine is a reflection of the many people who work to put it in your hands. This magazine is a community effort. There isn't space to name everyone, but from time to time you see their names among these pages.

It's with this issue that we offer a fond farewell to June Davidson as editor. On behalf of the many writers who have graced these pages over the past 50 issues, I say thank you for your hard work and enduring vision. Without your efforts this magazine would not be the success it is.

On a sadder note, as we went to press we learned of the death of Peter Canary, Lucy Canary's father. As you read the cover profile of this amazing woman, you will be struck by the importance of her parents in Canary's own personal growth. Our sincere sympathies go out to Lucy and her family.

ANDREW YOUNGER (BSc'98, BJ(K)'99)
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UPFRONT ON CAMPUS

Produced with the co-operation of *Dalhousie News*

TECHNICAL PRODUCTION

Jane Lombard, DALHOUSIE GRAPHIC SERVICES

PRODUCED BY

DALHOUSIE ALUMNI RELATIONS
 ISSN 1185-4014

ADDRESS YOUR REMARKS TO:

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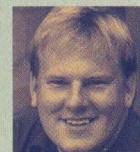
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Our contributors

In addition to acting as editor, **Andrew Younger** (BSc'98, BJ(K)'99) owns Whale-song Productions. His work, which over the years has won many awards including a Gemini and Atlantic Journalism Award, appears on television and in print around the world. Andrew lives in Dartmouth with his wife, Katia, and dog, Abigale.



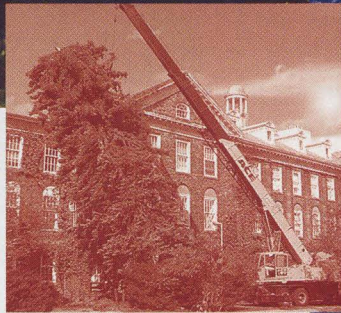
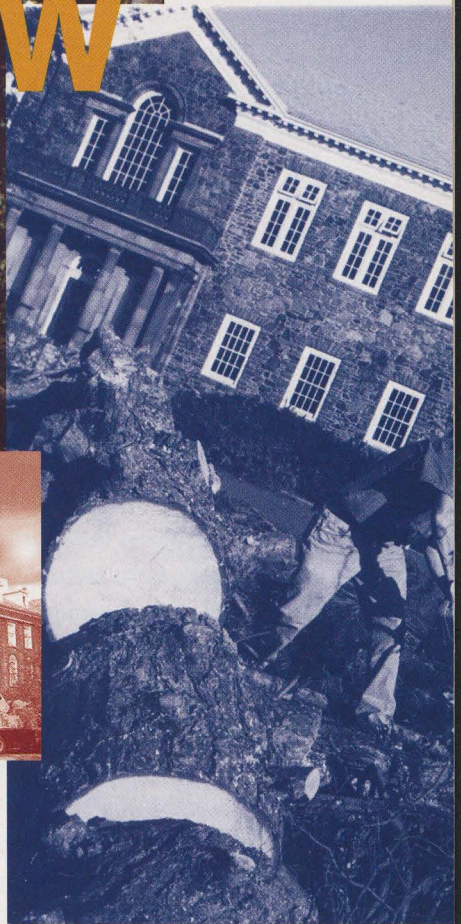
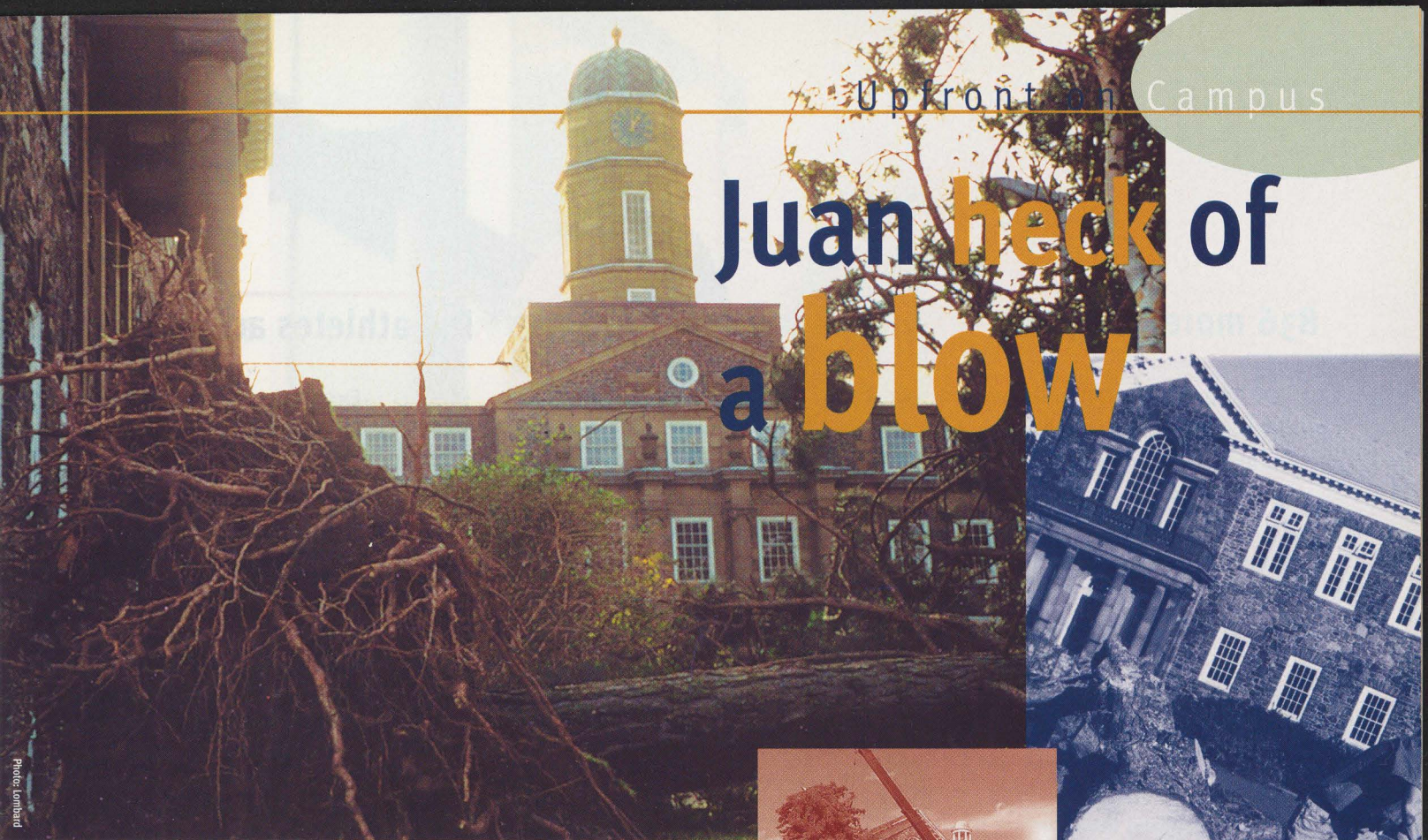
Cathy MacDonald, a Halifax freelance writer, was impressed with the international impact Dalhousie's Eco-Efficiency Centre has achieved. A columnist and former reporter with the *Halifax Daily News*, she now writes for several Canadian newspapers and magazines.

Valerie Mansour is an award-winning journalist based in Halifax. She has been writing, editing, and researching for over 20 years, most recently in the documentary film business.

Make the connection

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 By E-MAIL: alumni.records@dal.ca

Juan heck of a blow



Photos: Muir

Dal pulls together as storm of the century strikes campus

It sounded as if the world's largest freight train had smashed into Halifax as hurricane Juan made landfall not far from Dal shortly after midnight September 29, packing wind gusts of up to 190 km/h. Telephone poles shattered, fish shacks flew through the air, and the night sky was lit by exploding electrical transformers.

Powerful winds at Fenwick Place, Dal's high-rise residence, caused windows to implode and the rain poured in. Three minutes later, win-

dows shattered at Shirreff Hall. University staff sprang into action arranging alternate accommodation for students affected by the crisis. Eric McKee, vice-president, student services and university president Tom Traves were among those who drove evacuated students to area hotels.

Juan was the most powerful storm to hit Halifax since 1893. It caused two deaths and left a trail of destruction. Many of the city's major arteries were suddenly impassable due to falling trees. More than 300,000 homes and businesses, including Dalhousie, were immediately without power.

By morning it was clear that, compared to the rest of the city, the university had fared relatively well. Halifax's Point Pleasant Park lost over 70 per cent of its trees and remains closed until summer. Public Gardens, the oldest

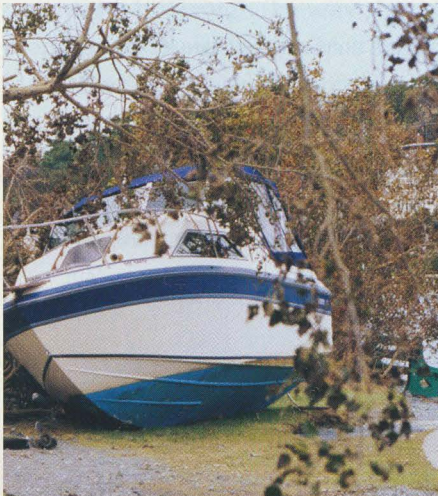


Photo: Younger

Difficult landing: Juan's storm surge tossed boats from the Northwest Arm onto the shoreline

Victorian garden in North America, lost much of its historic iron fencing and century-old trees. Much of the harbour boardwalk was destroyed and many ships either sunk or were lost from their moorings.

At Dalhousie, it took three days to restore power to the entire university and clear rubble and debris from walkways and buildings. Students, staff and faculty pitched in to help. Dal also lost 47 trees including two landmark trees in the quad. Classes at all area universities were cancelled for a week.

Insured damage to campus was estimated at \$1.8 million. By early October, 75 per cent of evacuated students had returned to their residences. The campus has fewer trees, but life at Dalhousie has, thankfully, returned to normal.

836 more Dal grads

Dalhousie's alumni roster has grown by almost 900 members as a result of October's fall convocation. Among the graduates were two honorary degree recipients, **W. Andrew MacKay** (BA'50 LLB'53 LLM'54) and **Reid Morden** (BA'63, LLD'03).

MacKay earned his law degrees at Dal. He then worked for three years with the Department of External Affairs before becoming Assistant Secretary of the Royal Commission on Canada's Economic Prospects.

MacKay returned to Dalhousie as dean of the law school in 1964. He served as university president from 1980 to 1986. MacKay is credited with enhancing the university's reputation for teaching and research.

Reid Morden distinguished himself in politics, history and law at Dalhousie. Over the years, Morden held a series of government posts including Deputy Minister of Foreign Affairs and International Trade (1991 – 1994) and director of the Canadian Security Intelligence Service (1987 – 1991).

Throughout his civil service career, Morden has kept a close eye on post-secondary education in Canada. He is chair of the Board of Governors of Trent University, sits on an advisory board for York University's Schulich School of Business, as well as on the board of the Canadian Institute of International Affairs.



Dal athletes achieve All-Canada

Excellence in academics is always an impressive mark of achievement. Excelling at sport is a testament to discipline and rigorous training. To excel at both sport and academics is a sure sign of something very special. In November, 72 Dal student-athletes were honoured for their combined achievement in sport and academics.

Representing nine faculties, the students were named Canadian Interuniversity Sport (CIS) **Academic All-Canadians**, a recognition for athletes who achieve a minimum GPA of 3.43.

*Academic All-Canadian
Chris Stanley*

Photo: Abriel

Software donation benefits students

Schlumberger Information Systems' (SIS) support of Dal is a fine example of partnership between the university and the business community. In late September SIS announced a donation of \$16.2 million in exploration, production and simulation software to the university.

The donation is part of the Schlumberger Worldwide University Software Program. The program provides students and faculty with direct experience using industry-level software. As a result, Dalhousie students have the latest electronic tools in hand to obtain training and research experience in key areas of the offshore oil and gas industry.

"This very generous donation of state-of-the-art software provides our faculty and students with the capability to perform research into complex exploration and production challenges worldwide," says President Tom Traves. "The donation will also enhance our ability to obtain significant research funds."

dian excellence

Fourth-year management student **Chris Stanley** has been on the All-Canadian list every year since he arrived at Dal. Captain of Dal's hockey Tigers, Stanley's athletic recognitions last year included leading the CIS in assists, selection as Atlantic University Sport (AUS) First Team All-Star, AUS MVP and CIS First Team All-Canadian. His year was capped with the Climo Trophy as Dalhousie's Male Athlete of the Year.

The women's track and field team was best represented with nine All-Canadians. One of those was **Andrea Faryniuk** a third year Honours BSc student. She's been AUS champion in the 60-metre for the past two seasons. Last year, she won the AUS title in pentathlon. But her awards aren't limited to sport.

She's won prestigious summer research grants to examine the effects of heat stress on cellular proteins. Among her many academic honours is a 2003 Hector McInnes Memorial Scholarship – little surprise given that Andrea has earned a perfect 4.3 GPA in two consecutive years.

"She's a very hard worker, very organized, brilliant in the way she prepares for exams and talks – and she's able to balance a lot of different things," says Tom MacRae of his biology lab student.

Something fishy about this...

Sometimes, great ideas just happen. In November 2002, a group of Dal architecture students took an early evening study break to watch Halifax's popular Holiday Parade of Lights wind through downtown. Six second-year masters of architecture students were inspired to create a float for the 2003 parade.

"We were thinking of the children who are standing along the parade route as being our client," explains group leader **Johnny Chimienti** (BEDS'02). "We were trying to think as they would. How could we shock them and hold their attention for 40 seconds?"

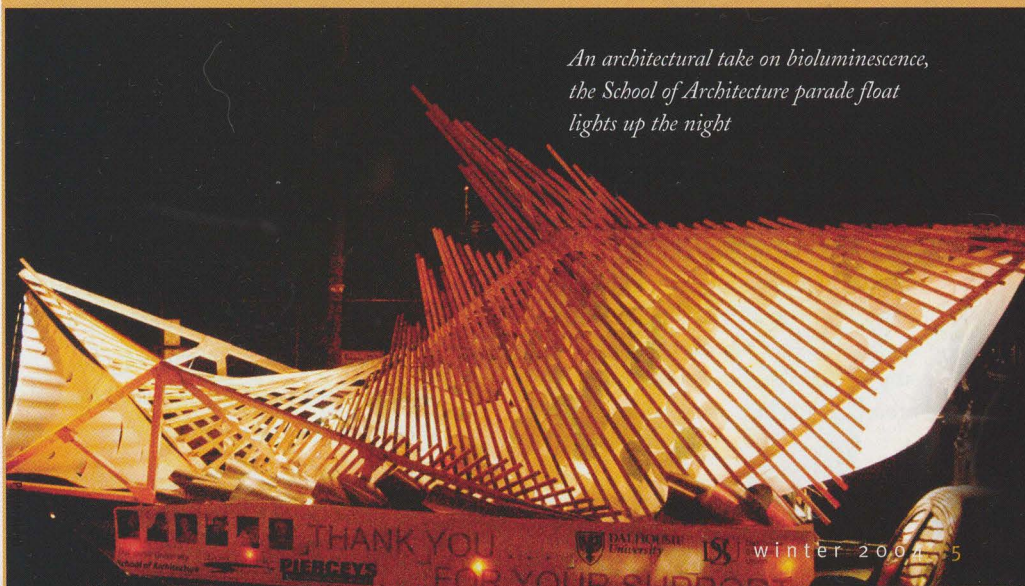
The students settled on an illuminated fish as their concept. After the subject was decided on, School of Architecture director, and project advisor, **Steve Mannell**, suggested the float's construction imitate a real building project — for academic credit.

"I suggested that it be constructed as a professional practice project, not a design project," says Mannell. "It would involve what you have to do in real practice – getting the approvals, documenting the project, keeping minutes of meetings, keeping track of decision-making."

The float project began with an architectural drawing. Next, a superstructure was built from wooden boards. Long, thin lathes of wood covered the skeleton, giving the fish a skin of slats laced with holes. A network of halogen spotlights, clear balloons, canvas sheets and curved aluminum plates inside the creation led to a structure lit from within by bouncing, multi-coloured lights. The result? A shimmering, luminescent sea creature that delighted spectators who lined the parade route.

"We want to show that the School of Architecture is here at Dalhousie," says Chimienti. "We're all proud of what we do – and what we build. We're exercising our education and having a presence out there. It's a conscious attempt to get involved in the community."

An architectural take on bioluminescence, the School of Architecture parade float lights up the night



Discovery Centre honours Dalhousians

It's a place of excitement and exploration for children young and old, and this fall, Halifax's Discovery Centre recognized some of Dalhousie's leading scientific minds.

Richard Goldbloom and professor **Mary Anne White** were inducted into the centre's Hall of Fame in recognition of their outstanding achievement in science and technology.

White is a Killam Research Professor in materials science. She teaches chemistry and physics and is devoted to bringing science to the general public. That devotion includes co-authoring two booklets on chemistry for young readers.

Richard Goldbloom is Dalhousie's chancellor and teaches in the department of pediatrics. Among his many achievements in pediatric medicine, Goldbloom pioneered family participation in the care of hospitalized children, and introduced one of the first parent care units in Canada.

Richard Wassersug and **Ivar Mendez** were finalists in the Outstanding Science Champion and Professional of Distinction categories, respectively. Wassersug is a professor in anatomy and neurobiology, and a research associate with both the Field Museum of Natural History in Chicago and the Smithsonian Institution in Washington. Wassersug is also a regular on the Discovery Channel where he is Scientist in Residence.

Ivar Mendez is director of Halifax's Brain Repair Centre. His CV includes the world's first robotic tele-neurosurgery and the first double grafting procedure for Parkinson's disease.



Business programs awarded prestigious international accreditation

Dalhousie's business programs have been welcomed into an elite organization representing the highest standard of achievement in business schools worldwide. Dal has become the only school in the Maritimes, and one of only 12 in Canada, accredited by **AACSB International** (The Association to Advance Collegiate Schools of Business).

To be accredited, business programs must satisfy the expectations of quality standards relating to curriculum, faculty resources, admissions, degree requirements, library and computer facilities,

financial resources and intellectual climate.

"The international accreditation provides our stakeholders with external endorsement and assurance that the faculty delivers high quality learning through teaching and research," says Abol Jalilvand, dean of the Faculty of Management. "This recognition enhances the reputation of our degree and non-degree programs for past, current and future students, significantly increasing their employability globally."

Fewer than 15 per cent of the world's business schools have been able to achieve AACSB accreditation.

The accreditation covers all Dal's business programs including the Bachelor of Commerce, the Bachelor of Management, MBA and MBA (Financial Services) degree programs.

Artist's drawing of the new Faculty of Management Building, named for Kenneth C. Rowe (left)



Dal student takes entrepreneur award

Dęan's List. Full time student. Business owner. These are titles that describe **Jacquelyn Corbett Cyr** (BSC'04). Now she can add "2003 Canadian Student Entrepreneur" to that list. Corbett Cyr is in her senior year of a Bachelor of Science in economics. She's also working toward a Certificate in Entrepreneurial Skills through the Faculty of Management.

Corbett Cyr was selected for recognition through a nationwide competition sponsored by the Canadian Council for Small Business and Entrepreneurship. Her winning business was Corbett Cyr Consulting which offers clients web development, three-dimensional animation, graphic design, and marketing strategies.

designation

Accreditation is not the only news being celebrated at the Faculty of Management. The Management Without Borders campaign has been a success with \$25 million raised for a new building. The recently named Kenneth C. Rowe Management Building will be located on University Avenue and is scheduled to open in 2005.

In the spirit of Schindler

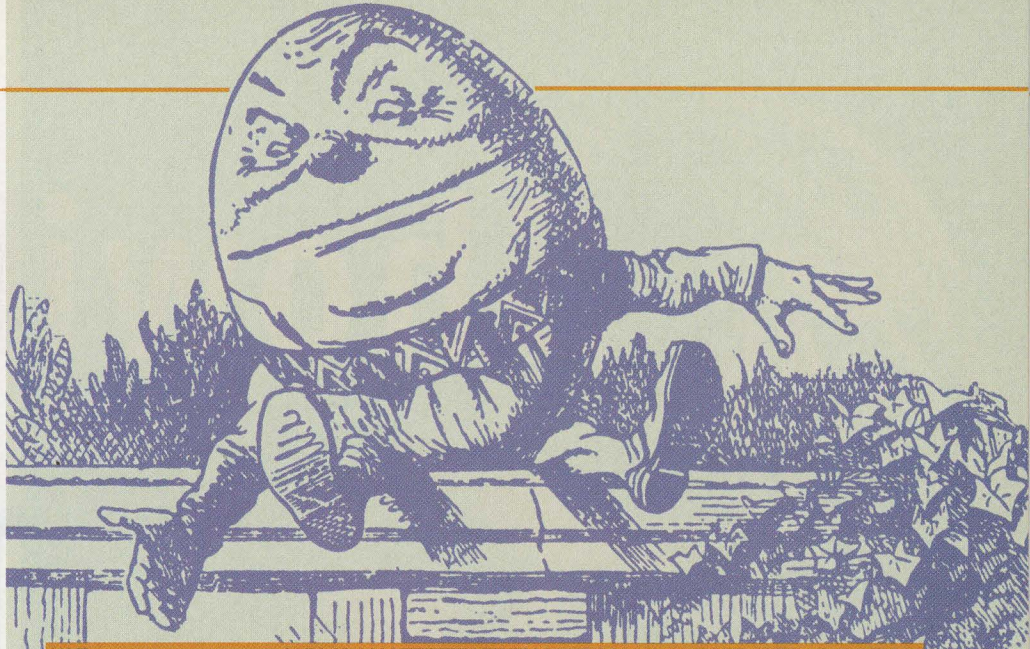
Oskar Schindler is probably best known through the 1993 movie *Schindler's List*. Now his name will also live on at Dalhousie.

Dr. George Mencher, a retired Dalhousie faculty member and founder of the university's School of Human Communication Disorders, convinced his uncle, Irving Glovin, to include Dalhousie in a list of four international universities that will host the "Oskar Schindler Humanities Foundation / Irving and Jeanne Glovin Award."

Schindler was the German factory owner who saved 1100 Jews from the Nazis. In that spirit, an annual scholarship will fund research and publication of a paper examining the complex nature of goodness in humanity. The award is based on a \$50,000 US endowment created by Glovin.

Glovin was a friend and attorney to Schindler and worked on Spielberg's film as an associate producer. He chose Dalhousie because of its multidisciplinary programs, diverse student community and secular education. Dalhousie is the only Canadian university to be included.

"Hopefully we'll raise a better generation of people," says Glovin.



Paramedics needed, not the king's men

All the king's horses and all the king's men probably didn't help matters when Humpty Dumpty fell from the wall. In fact, Sarah Giles (BSc'01, MD'05) and her Women in Medicine mentor Sarah Shea (MD'83), say Mr. Dumpty was likely in need of a trauma specialist or surgeon – not guys on horses.

These findings are included in Giles' and Shea's study of six nursery rhymes, including *Jack and Jill* and *Ring Around the Rosie*. Their study, "Head injuries in nursery rhymes: evidence of a serious subtext in children's literature" appears in the Christmas issue of the *Canadian Medical Association Journal*. Each year the association's Christmas issue is dedicated to light-hearted articles.

For each rhyme, Giles and Shea examined the standard of care delivered to the injured party. For example, in the case of Mr. Dumpty they suggest that there was no evidence of medical training among the king's men and that organization at the scene was poor.

"The presence of 'all the king's men' suggests a shocking lack of crowd control," Giles and Shea write. "The crowded scene may explain the inability of the responders to 'put Humpty together again.'"

Questioning the care of Humpty Dumpty and his nursery rhyme pals has drawn attention from outside the hospital, and the country. Giles has fielded calls about her article from the BBC and CNN.

"My coworkers have enjoyed the article," says Giles. "But I think they, like me, are shocked by all the media attention."

Sarah Giles

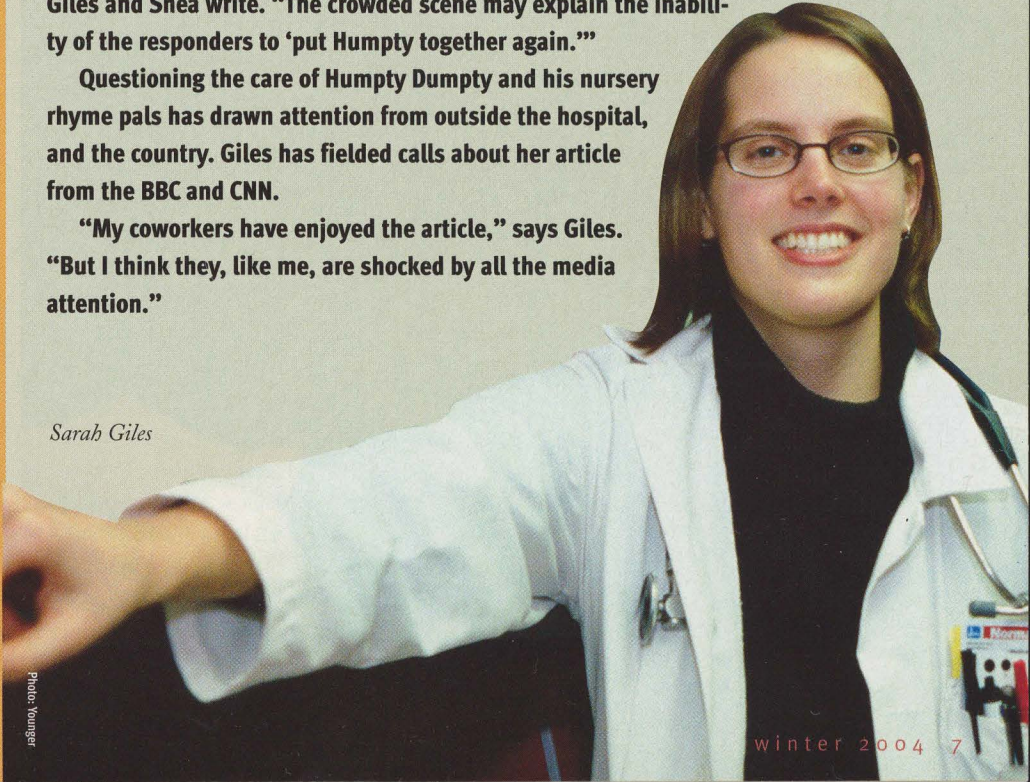


Photo: Younger



Showing up a dif

Kanary epitomize

LONG BEFORE MOST PEOPLE EVEN consider crawling out of bed, Lucy Ellen Canary, P.Eng. (BEng'82, MASC'84, PhD'92), crosses the bridge to Dartmouth from her Halifax apartment. By 5:30 am she's often found in her office engaging in "thinking time." She says it focuses her so she can "meet the day as it comes."

Kanary is reserved, yet a natural leader; an introvert, yet fascinated by people. She's guarded, yet at the same time projects a sense of warmth. The walls of Canary's office are bare except for a chart that shows the characteristics of a company at each stage of growth. It's Canary herself that makes the office inviting. She speaks with an almost mesmerizing intensity and passion. Canary is a very modest woman and one who is incredibly accomplished.

Kanary was the first, and to date the only, female president of the Association of Professional Engineers of Nova Scotia (APENS), a founding director for the Aerospace Industry Association of Nova Scotia, and served for six years as chair of the board for the Discovery Centre. Hired as an engineer with AMEC (the Advanced Materials in Engineering Centre), Canary later became its president. After AMEC merged with InNOVAcorp, Canary moved forward to become director of corporate development. At Dalhousie,

Photo: Arnie

to make ference

s 'woman of excellence'

Kanary is an adjunct professor in the department of Mining and Metallurgical Engineering, on the academic staff of the faculty of graduate studies and is serving her second term as president of Dal's Alumni Association, representing over 78,000 alumni around the world.

In October, The Progress Club of Halifax presented Kanary with the 2003 Woman of Excellence Award in the corporate management and professions category. The award is given to women who make outstanding achievements and contributions to their organization and profession. Kanary's nomination noted that her professional life has been devoted to promoting the understanding of how technology can positively impact people's lives.

"I was stunned that I'd been nominated, and floored that I got it," says Kanary, her eyes becoming misty. "I really struggle when people say you've accomplished a lot as a woman. There are amazing women who never get a pay cheque, an award or a title."

Kanary says she was touched by the recognition from an organization that symbolizes the impact of mentoring.

"I am where I am today because of great mentors," says Kanary. "Over the years I've been blessed to have met people who have listened to me and have freely shared their experiences and advice with

me. Most of these people have no idea how their advice has helped to shape the decisions I've made and therefore my life. This award provided me an opportunity to pause and reflect upon these people and to be mindful of how, every day, we impact each other's lives."

The second youngest of seven, Kanary grew up in Capstick, Nova Scotia, which had a population around 30 in summer and just 15 in winter. Perched on the most remote northern tip of Cape Breton Island, it's a place that defines rural, windswept, and remote. Survival depended on a team effort. Her father, Peter, supported the family through a combination of fishing, farming and driving the school bus while her mother, Irene, ran the household and reinforced the family values of a strong work ethic, community responsibility and a deep respect for others.

"My mother was very strong on education. She often said, 'It doesn't matter what you do as long as you get a piece of paper,'" said Kanary. "Every month several magazines would come into the house, including *Time*, *Newsweek*, *Maclean's* and *National Geographic*. I remember, too, the boxes of books she would order. Although we were in a remote place, she made every effort to have these things available to us. My mother was a person who lived in a very small place, but was incredibly wise."

Stories of Kanary's mother abound in engineering circles. Leigh Beauchamp Day, communications and marketing manager for Dalhousie's Faculty of Engineering, says whenever you say "Lucy's mom" a story is sure to follow.

"In engineering, those of us who have known Lucy for many years know of her love and devotion to her mother," says Beauchamp Day. "Lucy's mother had an incredible influence on her pursuit of education and her love of encouraging others."

Kanary says while her mother championed education her father remained a quiet, supportive, figure in the background. Two strong and dedicated parents helped Kanary and her siblings to find successful careers in fields as diverse as software engineering, nursing, and welding. Kanary is the only one who stayed in Nova Scotia. Following her mother's recommendation to "get a piece of paper," Kanary first went to St. Francis Xavier University. Being a natural in math, she graduated with an engineering diploma.

"If I was someone who had a plan, I would have become an astronaut," says Kanary. "I'm amazed with space. The traditional rules do not apply, so you have to think outside the box."

At the Technical University of Nova Scotia, Kanary discovered a co-op metallurgy program that allowed her to combine bachelor's and master's studies. She graduated with her Bachelor of Metallurgical Engineering in 1982 and her master's in 1984.

The quiet and studious Kanary hardly noticed there were only a handful of female engineering students. Having five brothers, a male dominated environment was just a fact of life. Rather, Kanary says, "My rural Cape Breton roots were challenged more often than being female."



“My mother had a saying, ‘Those who make a difference in the world are those who show up.’”

Just as Canary finished her doctoral coursework and a rough draft of her thesis, her mother fell gravely ill. Putting her education and career aside, she returned home to care for her.

Kanary’s mother died in 1987. Despite sadness over her mother’s death, Canary reluctantly returned to her studies in Halifax. Her mother’s encouragement to “get that piece of paper” was in the back of her mind.

Years later Canary still publicly credits her mother’s passion for education as a driving force for both her work and her life. “My mother had a saying, ‘Those who make a difference in the world are those who show up,’” said Canary in accepting her Woman of Excellence Award.

When asked about her own accomplishments, Canary says she admires the confidence of today’s young female engineers but speaks little about her impact as a role model and groundbreaker. In fact, she says the Women of Excellence awards ceremony was the first time she was in a room filled with so many women. That’s not surprising given the route she’s taken.

While working on her thesis (it examined development of a high temperature coating to protect the bricks that line the

large ladles used for molten metal during smelting) Canary also worked full-time at a demanding job with the Advanced Materials in Engineering Centre. AMEC was a Nova Scotia based product development centre that provided a connection between advanced materials research and the marine, construction and aerospace industries. Its staff worked closely with faculty in the Mining and Metallurgical Engineering program and with the Advanced Composite Materials in Bridges and Structures Division of

the Nova Scotia CAD/CAM Centre, then at TUNS. Together these groups worked to develop and apply new materials involving metals, ceramics, alloys, laminates and thin films to a variety of products. It was groundbreaking work and it was at night that Canary worked on her thesis, often substituting the office floor for a bed.

Bill Caley, P.Eng., Dalhousie’s Dean of Engineering, was Canary’s thesis advisor. Her determination amazed him.

“How she worked and did her thesis I’ll never know,” says Caley. “It took some time but I knew she would finish.”

It was at this time that Beauchamp Day met Canary. As the Nova Scotia CAD/CAM Centre’s Business Development Officer, Beauchamp Day worked closely with the people at AMEC.

“Lucy thought it was normal to work at her job all day and on her PhD all night,” says Beauchamp Day. “She has a wonderful combination of femininity and iron will and determination.”

Kanary finished her PhD in 1991 and became president of AMEC in 1993. In 1994, APENS paid her its first tribute, presenting her with the Young Engineering Achievement Award. Canary was ultimately elected president of APENS in 1998.

Ron Gilkie, P.Eng., former APENS president, says, “Lucy brings strong organizational skills with her no matter what she takes on. Being APENS’ first female president, people were watching to see how she’d perform. It was nice to see she wasn’t a “good old boy” type, but brought in a fresh perspective. APENS really benefited from her innovative spirit and determination.”

Kanary has since been invited to become one of the wardens of Camp Seven Halifax, the organization that maintains the engineering tradition of the iron ring.

“Over the years it’s been an all-male bastion,” says Gilkie, who is secretary of the Camp. “Lucy is now one of three female wardens, of 14, and will be the senior supervising engineer at this year’s iron ring ceremony.”

At InNOVAcorp Canary is a member of the leadership team. Responsible for corporate development, she assists in policy making on matters related to commercialization, economic development and the province’s innovation strategy.

InNOVAcorp is an active venture-capitalist; investing and managing a venture capital fund complete with an active portfolio of companies. It provides the innovation and commercialization function of the public sector through its operation of two technology incubators that currently host over 50 emerging technology companies and provides a mentoring and relationship management network to growing entrepreneurs. InNOVAcorp is a respected partner in a growing number of strategic areas of life sciences and information technology.

Kanary’s primary focus as corporate strategist is business and competitive intelligence.

"It's critical to stay ahead of the curve on social, economic and technology trends," says Canary. "I regularly draw on my engineering training, experiences in technology development and commercialization. What I do now is probably far removed from the public perception of what an engineer should do."

Kanary's commitment to the growth and development of her community is not limited to emerging businesses. Her commitment to education is well known. As volunteer president of Dalhousie's Alumni Association, she's provided leadership in reshaping the association to ensure that it moved to a governance model that provides advice and advocacy, for both Dalhousie's External Relations department and the university. Her dual appointments on the Dalhousie Alumni Association Board and the University's Board of Governors allow Canary to bridge both groups.

"It's been a privilege to work with Lucy for over four years now," says Lynne Sheridan, Director of Alumni and Corporate Relations. "Her commitment to higher education is evident in so many ways – professionally, through InNOVAcorp, and personally, volunteering with organizations like the Discovery Centre and Dalhousie. We constantly benefit from her energy, enthusiasm and wisdom. Besides all that, she's a lot of fun to work with."

Kanary's close ties with Dalhousie, both through the alumni association and as an adjunct professor, are one of many links to education. Over the years, she has been involved in enhancing opportunities to educate young people, particularly as they relate to engineering, science and technology. Canary served for six years as chair of the Board of Directors for Halifax's Discovery Centre, an organization she still

holds close to her heart. She says her commitment is to ensure that the knowledge and enjoyment of science and technology are available to children of all ages.

"The Discovery Centre is an amazing vehicle that touches part of my soul, perhaps because of where I was raised. It's wonderful to have a place where young people can go to interpret the world around them through exposure to science and technology. And it's so much fun."

Lately, Canary has been figuring out what comes next with respect to her volunteer activities. Although the world of engineering and product development is a fast moving one, Canary realizes that no profession can afford to forget about the community it serves.

"How do I take my skills and exposure to technology and translate it into something with social impact? Engineers have a unique capacity as innovators. We also have to take responsibility on how we evolve as a community."

Her commitment to community and people impresses everyone who meets Canary.

"People are naturally inspired by Lucy," says Leigh Beauchamp Day. "Her ability to see and encourage the potential within everyone is something we can all learn from. Realizing anything is possible with hard work and perseverance can be attributed to her father. The importance of education both at home and through school – and that parental and community influence are very important – are perhaps her mother's legacy. Lucy passes these values on by living them day to day."

In October, Canary received yet another presti-

gious award. APENS presented her with the F. H. Sexton Gold Medal. It's the organization's highest honour and usually given to those nearing the end of their careers. The award is dedicated to those who have offered significant "service in the practice of engineering, service to the profession and to the community and for contributing to our quality of life." In accepting the medal, Canary acknowledged those who've helped her along the way.

"Please know that in time I may forget the exact details of the many ways that you have supported me over the years but I will never forget these feelings of gratitude for this incredible honour that you have bestowed upon me tonight. My mother used to say 'In time you will forget what people have done and said to you, but you will always remember how they made you feel.'"

Kanary's intent was to thank those who had helped and influenced her but Beauchamp Day says that following the ceremony, the reaction was quite the reverse: "You could hear pockets of conversations as people related how, and when, Lucy influenced them."

With contributions from: Valerie Mansour, Andrew Younger (BSc'98 BJ(K)'99) and Leigh Beauchamp Day **dal**

It's wonderful to have a place where young people can go to interpret the world through exposure to science and technology. And it's so much fun.

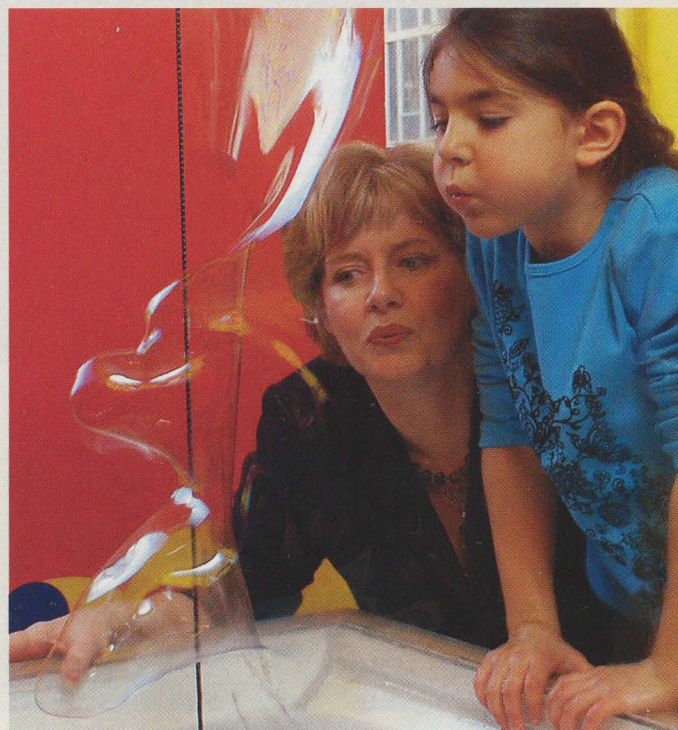


Photo: Aniel

Grassroots

Bringing the lab to rural Nova



research

Scotia



Photo: Matt

Melissa Jones is ten years old. She lives in rural Nova Scotia, and used to enjoy playing baseball in spring and summer and hockey in the winter. But **Melissa** doesn't often join in games these days.

by **Andrew Younger (BSc'98 BJ(K)'99)**

MELISSA FEELS UNCOMFORTABLE when she goes out to play with kids she doesn't know well. Her mom talked with her family doctor who said he could refer Melissa to the mental health clinic. Melissa and her mom are wary of going to the clinic. There would be a long waiting list, because Melissa's problem – although serious – is not urgent. The cost of getting to the clinic, and her mother's work schedule, would make it even more difficult. Lately, Melissa has been pulling away from her friends and becomes anxious when invited for sleepovers. Her problem is getting worse and her mom wants to get help, but none is easily available.

Melissa's story isn't real but it is realistic. Her story reflects those of many

children who struggle to obtain psychosocial treatment and assistance

that could help families cope with illness and troubled times. Patrick McGrath, a professor in Dalhousie's psychology department, is working with Mental Health Nova Scotia to narrow the gap in rural healthcare with a program called Family Help.

"Canadians value our universal, public, health care system very highly and see our health system as part of what defines us as Canadians," says McGrath. "Mental health treatment is grossly under-funded. Most children who need these treatments never get them. My research interest is to increase access of Canadians to psychological treatments that work."

For many, the word 'research' conjures up images of lab coats and beakers filled with mysterious fluids, and noses buried in



Buoys like this one provide John Cullen's team with critical information about environmental change.

dusty books and manuscripts. For a long time, research performed outside the lab was only “field work.” That’s changing. A growing number of proposals from researchers in all fields suggest there’s great benefit in moving work outside the lab, and into communities. It means that instead of reading about research in the paper, the local banker or farmer is seeing research results right at home.

McGrath’s work has certainly put him in touch with the community. He decided years ago to pursue a career in research so he could help children. Now, his work brings him in constant contact with Nova Scotia families trying to make the mental health system work for them. Family Help provides treatment in five mental health areas (behaviour problems in pre-school children, attention deficit disorder in school age children, anxiety, enuresis, and recurrent pain) and has just begun in one chronic illness area (inflammatory bowel disease).

McGrath’s team helps remote patients via telephone and through the internet. Families in the program receive support materials, access to others with similar problems, and weekly interventions by internet or phone with coaches to help them along the way. Access to psychosocial treatment is now available in the privacy and convenience of their own home.

Family Help is only one example of research finding a home in remote communities. Renee Lyons, a professor in both health and human performance and psychology, is another researcher whose working lab is, at least in part, Nova Scotia’s rural communities. As director of the Atlantic Health Promotion Research Centre, her work includes research on pre-

venting chronic health problems and improving health services and policy. Whatever the project, the centre aims to improve life for the average person.

“The reason I do this work is that one of my first jobs after my master’s degree was as a medical social worker,” says Lyons. “During that time I saw some of the most horrific health and social circumstances imaginable. So the idea of understanding and acting on health and social issues was a logical outcome.”

Lyons also says that there’s significant value in developing theory from doing community-based research. She says properly conducted local research can be a win-win – improving conditions locally while influencing thought and action globally.

Lyons and her team have discovered something similar to what McGrath has found – a healthcare gap in rural communities. She hopes the centre’s programs will decrease that gap – programs like the Yarmouth Stroke Project. The Yarmouth project is reorganizing rural health delivery systems so that people with chronic illness can access recovery and rehabilitation services. Lyons says it’s a perfect example of how a community should benefit from the expertise of researchers.

“There are big problems that people in rural areas are trying to grapple with and the community should be able to use the university (faculty and students) and resources to help them.”

When stroke occurs, says Lyons, many rural residents find their recovery limited because of a lack of available services. Like McGrath, her goal is to improve the quality of life for people in rural areas, while also reducing the cost for treatment. That means bringing research to the community.

"Rural-based research addresses issues in small places, especially in communities that are struggling to sustain themselves," says Lyons. "Canada has lots of these so it's particularly important here."

Increasingly, research at Dalhousie includes a community component. Researchers agree it's a valuable addition, allowing them to respond directly to the needs of people who will benefit.

"It's important to understand things from the community's perspective," says Lyons. "It feels like you are part of a movement. Developing ideas and strategies with community members who see the first-hand relevance is also very stimulating intellectually."

McGrath says there's great satisfaction in community-based work, and notes there's also a very practical reason for going beyond the lab.

"Research that involves the community is important because it allows for the immediate transfer of research results to benefit ordinary Canadians," says McGrath. "Most research is funded by public agencies. The community deserves to know where tax dollars are being spent. Taxpayers must realize that research is an investment, not a cost. Researchers can play an important role in publicizing this important way the money is being spent."

Dalhousie's community research activities are not limited to healthcare and medical research. Projects range from clinical drug trials, to the impact of social and political change on policing and justice, to environmental development.

In the oceanography department, Professor John Cullen is helping develop a means of warning communities about coastal environmental conditions. Among his research interests is the Lunenburg Bay Project which began with three buoys and a land station collecting information on meteorological and oceanographic conditions off southwest Nova Scotia. Though still in its infancy, the research will lead to a better understanding of how weather and currents affect coastal communities.

That information is important to all coastal populations, but particularly important to a town like Lunenburg which is literally built at the water's edge and is largely populated by fishermen and others for whom the ocean provides a living.

"Our research is both fundamentally important to basic science, in terms of how the ocean-atmosphere system works, and directly useful to coastal communities and those responsible for managing coastal resources," says Cullen.

Researchers will benefit from Cullen's team's work by gaining access to the latest observation and modeling technologies. The results will include improved forecasts of coastal conditions such as waves, fog and storm surge, real-time data that's very important when your living is derived from the sea. Cullen's research indicates the great potential of collaboration between various scientific specialties and the community.

"There will always be a place for independent research," says Cullen. "But the need for multidisciplinary collaboration is rap-

idly increasing. Our project is an example of how a broad range of expertise has been applied to describe environmental variability in the coastal zone. This is an exciting trend that will provide descriptions and forecasts of coastal conditions that are needed by coastal communities and other users of coastal resources."

As the top research institution in Nova Scotia, Dalhousie receives over \$77 million in research funding each year. While a growing portion of that includes a community element, research is, of course, still conducted in the laboratory – though even those outcomes have application in our day-to-day lives. Dal's work with corporate giant 3M will lead to better and lighter batteries. Work with General Motors is intended to develop lighter metal alloys, and ultimately improved fuel economy for cars.

"Some research questions are best answered by involving the community, others are not," says McGrath. "One is not better than the other, they are different."

As well, community-based research doesn't offer precisely controlled situations that can only exist in a laboratory. Renee Lyons says it's hard work, and very important that researchers get the right project design and research team in place.


"It takes time to do the work and to have an effect," says Lyons. "This is long term commitment stuff and things might not go the way you want them to."

Even with the great value of community research, Cullen says it's important to remember the role of strictly theoretical research.

"Science cannot advance unless new knowledge is developed, and new knowledge often comes from unexpected places," says Cullen. "Time and time again, research that seems to have little practical use turns out to be fundamentally important to human progress."

Human progress is indeed being achieved through Dalhousie research. The university's online expert database reveals faculty and staff expertise in areas quite literally from A (aboriginal child welfare) to Z (zeolite organic complexes). The quality of that human resource, both in the community and the lab, is broadly recognized. *The Scientist* magazine recently named Dalhousie one of the best non-commercial scientific settings to work in outside the United States. Dal was at the top of a list that included research labs ranging from the National Institute for Agricultural Research in Versailles, France, to Hebrew University in Jerusalem.

Such recognition might mean little right now to young Melissa and others like her in rural Nova Scotia. But the work of researchers like McGrath, Lyons, and Cullen will help not only those living in rural Nova Scotia but, ultimately, others throughout the globe.

"I am in the incredibly lucky position of being able to contribute to our health system by developing strategies to cost effectively increase access to effective treatments," says McGrath. "In the long run, we may help thousands of children around the world." 

Greening business

From tires to apples – improving the environment improves the bottom line

by Cathy MacDonald

WHEN THE OPERATIONS MANAGER of an industrial park in Indonesia wants to know how to keep water supplies clean, or a small company in Halifax wants help setting up a battery recycling program, there is one place to go: a bunker-like building tucked away in a corner of Nova Scotia's Burnside Business Park in Dartmouth.

Dwarfed by surrounding steel grey electrical towers, the Dalhousie-led Eco-Efficiency Centre is the world's leading supplier of innovative green thinking for industrial parks. Over the past five years the small centre has made a big name for itself globally, showing business how to add profit to the bottom line while cleaning up production.

Resource and Environmental Studies professor Ray Côté was behind a multi-disciplinary research project at Dal that first began investigating industrial parks as sustainable ecosystems in 1991.

"I couldn't find any information on how to do it. A lot of the (ecological) effort of government was toward big business," says Côté. "Small and medium-sized businesses weren't getting any attention, although there are many more of them. Individually they may not be causing any problem, but when you put 1,000 of them together, the cumulative effect can be quite large."

Burnside Business Park – with its over 15,000 employees and 1,500 businesses – became a giant lab to promote new strategies of eco-responsibility. The Eco-Efficiency Centre was formed in 1998, as a partnership between various levels of government and Nova Scotia Power, the first of a growing list of corporate sponsors. Côté is still the centre's director.

The Eco-Efficiency Centre provides a starting point for businesses through free on-site eco-assessments – 150 have been conducted over the past five years. It looks for conservation and pollution prevention opportunities, and encourages business partnerships to identify where waste can be reused, recycled, sold or bought.

The centre also raises the profile of businesses already thinking green. Dartmouth-based Miller Tire was among five eco-efficient companies honoured recently at the centre's fourth annual Environmental Excellence in Business breakfast.

At the Miller Tire facility, one of only four Canadian plants affiliated with Michelin re-tread technologies, the buffed material from the tire retreading process doesn't head to the landfill anymore. Instead, it's recycled and made available to other manufacturers who use it as a raw material to produce items like floor mats,

playground stations and artificial sports fields. In return, Miller Tire saves about \$30,000 annually in tipping fees, and earns about \$16,000 in sales. The energy savings are considerable, too.

"A new tire requires 120 plus liters of oil for its production, but a retread requires only 22," said company comptroller Corey Miller (BSc'98). "That doesn't account for savings in the disposal of tires on a less frequent basis."

The centre's ecological initiatives have drawn international attention, including the cover of a United Nations publication used for environmental workshops and projects in Thailand, Singapore, India, the Philippines, Taiwan, and China.

"Just this week we've had three e-mails (from parks) around the world," says Côté.

Last December, Côté worked with an Indonesian park manager preparing for the construction of a similar centre in the Jababeka Industrial Park in Jakarta. The privately owned Indonesian park, similar in size to Burnside, has three Mattel plants employing 11,000 people – almost the entire working population of Burnside, Atlantic Canada's largest industrial park.

The partnership between Dartmouth's Eco-Efficiency Centre and the new Indonesia centre could see other eco-centres

ness



Photos: Ahref

Eco-Efficiency Centre manager Peggy Crawford with Miller Tire's Corey Miller (BSc'98)

built in Asia. Those centres will offer ideas to companies for chemical alternatives or safe disposal of electronics. It's a program partially sponsored by the German Technical Cooperation (GTZ), the equivalent of Canada's Canadian International Development Agency (CIDA).

"It's really gratifying to know that one has developed something that seems to be a model for others," said Côté.

In 2001, the Centre was named one of five finalists in the internationally-recognized Bremen Partnership Awards, in the category of Participation, Education and Awareness Raising.


"The Bremen awards generally focus on partnerships between businesses and local governments," says Peggy Crawford, the centre's manager. "In our case, what interested the jury was that the academic part was there and that the centre had such a strong university collaborator."

The university partnership is also

appreciated by the more than 30 Dalhousie co-op students over the last five years, primarily from the business and engineering faculties, who have found employment and training at the internationally respected facility. At the same time, the centre's impact continues to grow academically. Beginning this year the university will host a five-year lecture series on Business and the Environment, in partnership with the Hong Kong and Shanghai Banking Corporation.

With over 20,000 industrial parks world-wide (1,000 in Canada alone), the Eco-Efficiency Centre's groundbreaking expertise is increasingly sought by businesses who want to reduce waste while increasing profits.

And, for the first time, the centre is working with small and medium-sized businesses beyond the Dartmouth industrial park borders. Last spring, staff visited ten companies based outside the Halifax Regional Municipality to provide ideas on ways to achieve better environmental and economic performance. Among them was Scotian Gold, an 80-employee apple producer and marketer based in the Annapolis Valley. The apple company has launched an ambitious water conservation project and has started a program to sell sub-grade fruit, which otherwise would have been wasted, to another processor for juice production. Any remaining organic waste is now available to farmers for composting.

"We have companies calling us now, where in the past we've had to call them," says Côté, adding the centre wants to do its part to achieve the Halifax municipality's goal of being a sustainable city. "The city's emphasis has been on homeowners – we'd like to help raise the profile of business." 

Return of the ring

Fifteen years ago, **Lori McCracken** (DDH'87) lost her Dalhousie graduation ring. It was a frustrating and upsetting experience for the 1987 dental hygiene grad.

"I definitely didn't think I would ever get it back," says McCracken. "Mom and Dad bought it for me and I was extremely upset when I lost it – so much so that I ordered another one."

The ring was lost – and found, unknown to McCracken – in a Fredericton, N.B., pub.

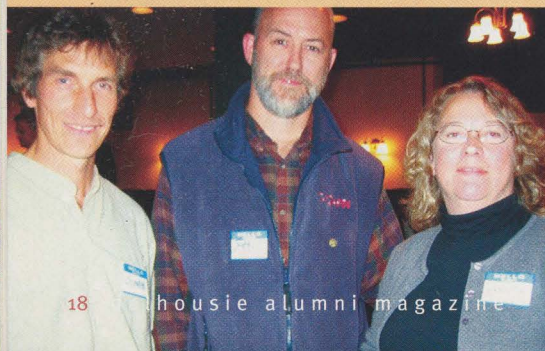
"I've had that ring in my jewelry box for over 15 years," says Shelley Ryan, the ring's finder. "Every once in a while I would look at it and tell myself I really should track down the owner. Thanks to the alumni web site, I was finally able to do that."

The return of the ring means McCracken now has two Dal rings, but she's happy to have the original back, given its sentimental value.

Environmental studies grads get together

October marked the Masters in Environmental Studies (MES) 25th Anniversary Conference and Celebration, held at the School for Resource and Environmental Studies. Over 50 MES alumni travelled from as far away as Barbados and Ontario to join the festivities. Almost 250 students have graduated from the program in 25 years.

Oliver Maass, (MES'91), current MES director Peter Duinker, (MES'81), and Brenda Smart, administrative secretary to the director



Dalhousie Annual Dinner '03: Growing together

When you take 450 alumni, friends, and community members and put them in a room, you have the ingredients for a great time. Add to that a few awards, a good meal, and speeches and you have one of the best annual dinners yet. The theme, "Growing Together," was clearly reflected by those who celebrated together at the October event.

President Tom Traves spoke of the many connections between students, faculty, staff, alumni and friends that have grown over the years and expressed pride at Dal's continued success locally, nationally and internationally.

Biology professor **Marty Leonard** received the 2003 Alumni Award for

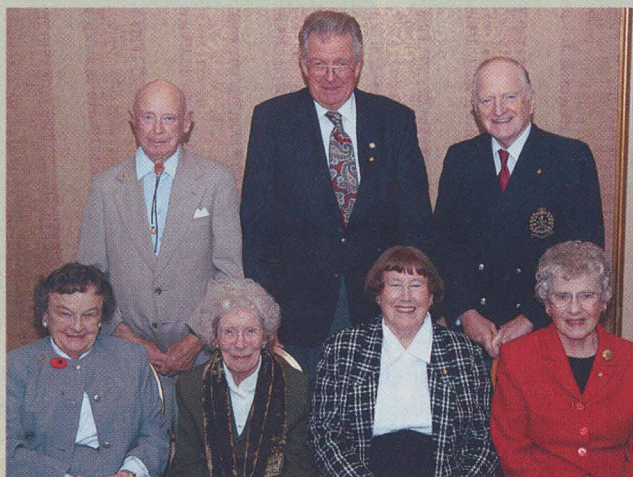
Teaching Excellence. **Diane Bell** (BSc'84), **Robert Anderson** (MD'54, PGM'59) and **Judi Rice** (BPE'75) were honoured with Archibald Awards. The A. Gordon Archibald Award recognizes alumni who display outstanding personal service, commitment and contribution to Dalhousie.



Class of '48

Reunion scrap

Anniversary classes gathered at the fall



Classes of '33, '38, '43



Class of '53

Alumni events

Report from the alumni trail

– by Rosanne Cousins (BScK'99)

The Dal alumni events trail crisscrossed from Newfoundland to Toronto, Boston and Ottawa, last fall and winter.

After October's Annual Dinner, we headed to St. John's, Newfoundland, where we met with alumni at the Bowring Park Bungalow.

Toronto Comedy Night

Later in November, alumni warmed up at Toronto's Duke of Argyle pub before heading to the Second City Theatre for some great laughs.

Alumni got together for an Ottawa Pub Night at D'Arcy McGee's early in the fall and reunited in early December for a more formal affair – the annual Dalhousie Ottawa Parliament Hill Holiday Reception. The

Parliament Hill event has grown in size and this year more than 200 guests filled The Confederation Room in the West Block.

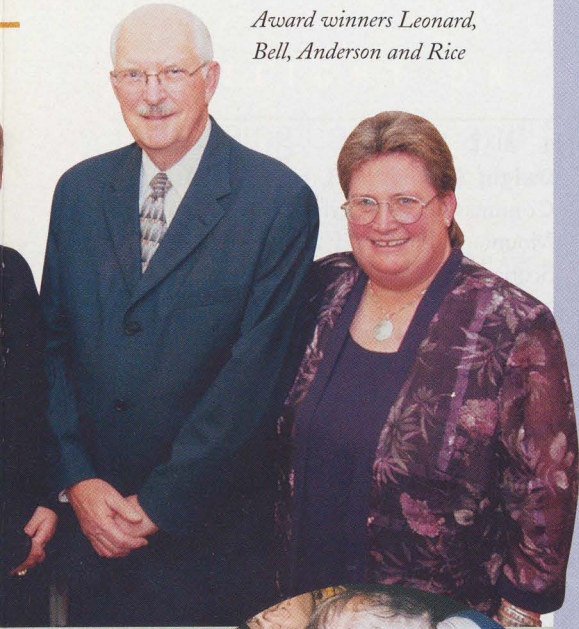
Celebrations around the Maritimes included a Halifax pub night for young alumni.

In Rothesay, N.B., a get together with Saint John area friends took place at the Shadow Lawn Inn. Across the bridge in P.E.I., island alumni caught up with one another at Charlottetown's Confederation Centre of the Arts.

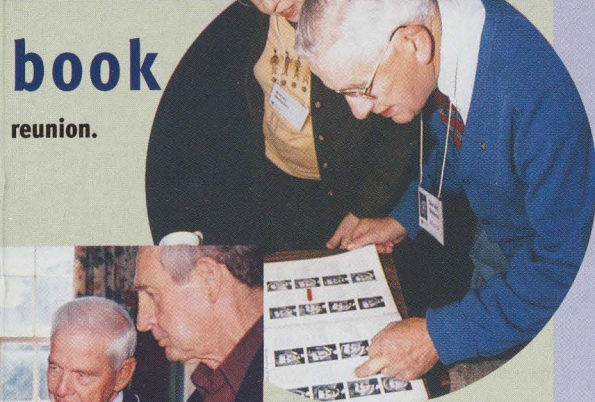
Meeting old and new friends makes the alumni journey worth making. Thanks to all of you for joining us. Make sure to keep in touch with your updated addresses and watch for event and reunion announcements at:

www.dal.ca/insight

Award winners Leonard, Bell, Anderson and Rice



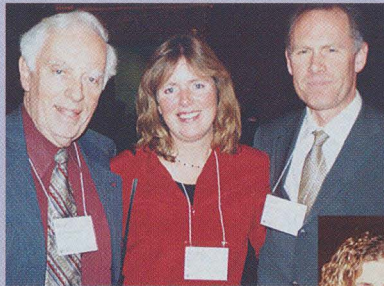
book reunion.



1953 – Engineering grads share old memories

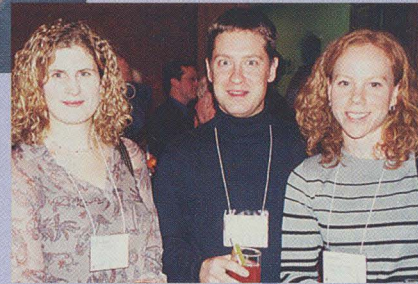


Parliament Hill Holiday Reception



▲ Stuart MacKinnon (BSc'55, LLB'60), Heather MacKinnon (LLB'91), Scott MacKinnon (MBA'91)

▶ Amanda Gillis (BScHE'98), Ryan Benson (BA'97), Cherie Maboney (BSc'99)



Charlottetown Reception



*“You have not lived
until you have done
something for
someone who can never
repay you.”*

John Bunyan



When you leave a gift in your will to Dalhousie University, you help future generations of students. Your estate can also benefit from significant tax advantages.

If you have included Dalhousie in your will, please let us know. We can express our thanks and reassure you we can carry out your wishes.

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DALHOUSIE
University

1 9 3 9

George Little, LCMUS, BM'41 and brother **Carl Little**, LCMUS'44, BSC'45, DENGR'45, and wives, recently celebrated the 50th anniversary of the co-founding of CAMMAC at Lake Macdonald in Quebec. CAMMAC offers a variety of music courses at its Lake Macdonald Centre. It was founded in the summer of 1953.

1 9 6 4

“Mev” Porter, BA, would like to hear from the graduates of the '60s. Mev was the girl singing at the coffee house with David Major.

1 9 6 7

Eldon Smith, MD, was recently awarded Order of the University of Calgary in recognition of outstanding contributions to the university, the community and to Canadian cardiology. This award is considered the equivalent to an honorary degree but is limited to members of faculty and staff.

1 9 7 4

Doug R. Archibald, BSC, is employed with the Nova Scotia Department of Natural Resources (DNR) as a regional wildlife biologist for Halifax, Pictou and Hants West counties. Doug has been with DNR for 26 years.

1 9 7 5

Rene F. Jones, BARCH (NSTC), wrote *Power Marketing of Architectural Services*, which discusses sound business and marketing practices for architects and associates. Rene recently received the Queen's Golden Jubilee Commemorative Medal.

1 9 7 7

Majid Ali, BPE is looking forward to hearing from classmates after moving back to Canada after 25 years living in Trinidad.

1 9 7 8

Dwight Bishop, LLB, retired as Assistant Commissioner for the Royal Canadian Mounted Police, and was appointed Nova Scotia ombudsperson.

Hal Davidson, BA, was a member of the varsity hockey team ('75-'78). Hal is currently employed with the Correctional Service of Canada as deputy warden at Dorchester penitentiary in New Brunswick.

1 9 7 9

Steve MacDonnell, BSC, BENG'81(TUNS), and Jane announce the birth of Alyssa Jane, born May 14, 2003, Calgary, Alta., a sister for Heather.

1 9 8 0

Darrell Brown, BSC, BSCHC'81, MBA'85, LLB'85 remarried July 19, 2003, in Kiev to Lyudmila Bezpala. Lyudmila is a lawyer, who practiced commercial and intellectual property law in Ukraine until relocating to Skopje, Macedonia, in March, 2003. Darrell works as a legal advisor on the Corporate Governance and Company Law Project sponsored by the United States Agency for International Development.

Kaireen Chaytor, MA, PHD,'91, was the 2003 recipient of the Canadian Evaluation Society Award for Contribution to the Theory and Practice of Evaluation in Canada. Kairen teaches program evaluation in Dalhousie's School of Public Administration where she is an adjunct professor. She also teaches in the Non-Profit Sector Leadership Program.

Roberto Ramirez, BARCH (NSTC), is working in Chile after being at Arcop Associates in Montreal. He is married with two children. Roberto would like to return to Halifax someday.

Michael S. Smith, BA(HON), was appointed director of Eastlink Television in September 2003. Michael lives in Halifax and can be reached at michael.smith@corp.eastlink.ca

SPOTLIGHT ON ALUMNI

Defending Canada, and the world

Thousands of miles from home, **Bruce W. Belliveau** (BA'02) has started a six-month deployment in one of the world's least friendly places. Belliveau is commanding officer of HMCS Toronto, one of Canada's world-class frigates, and the

the former Yugoslavia and with the NATO Supreme Allied Commander Atlantic. He's even received a commendation from the Chief of Defence Staff. Most recently, after completion of his political science degree, Belliveau was appointed commanding officer of HMCS Toronto.

"Attending Dalhousie for the year prior to assuming command provided an excellent period for reflection, particularly given the world events of September 2001," says Belliveau. "The courses provided me with greater insight into the political processes in

Canada. This allowed me to better inform the ship's company on how and why Toronto's program is set, the importance of our mission and its overall impact."

Belliveau says the job of the military has changed very little. What has changed is the nature of the threat and where it comes from. Belliveau also says, as with any military operation, the risk is very real.

"I'd ask all alumni and others take the time to remember there are many thousands of Canadian soldiers, airmen and sailors deployed around the globe defending all the things Canadians hold dear," says Belliveau. "Some may never come home as we have recently witnessed. Our duty is not easy and can be fraught with danger, but we do it willingly for Canadian society."

— **Andrew Younger,**
BSc'98, BJ(K)'99



Belliveau at sea

primary fighting platform of the Canadian navy. His ship is integrated into a United States naval carrier strike group in a mission that's largely classified.

Born in Halifax in 1962, Belliveau joined the Canadian Navy in 1980 through the Officer Candidate Training Plan.

"I knew at a fairly young age I would one day go to sea," says Belliveau, "but chose the navy based on my father's successful career. At 18, I reported to the recruiting centre in Halifax and 23 years later, here I am."

Belliveau was awarded his first commission in 1982 and saw duty aboard HMCS Iroquois as both a bridge watch keeper and warfare director. Since that time he's held various positions on ship and land. Those have included roles in

INSURANCE ation Members

1 9 8 2

Susan McIntyre, BA, BAHC'83, DPA'89, MPA'91, was appointed director student services at the University of Northern British Columbia. Prior to joining UNBC, she was the director of student resources at Dalhousie.

1 9 8 3

Chris Andrus, BCOM, MBA'87, has left the business world and formed a triathlon and cycling coaching business after 15 years of consulting with Arthur Andersen. Chris and **Liz (Stepnowski)** BSc'82, live in Atlanta with their sons Ryan(19) and Brendan(16). Friends can contact Chris or Liz at www.MyCoachChris.com

Rusty James, BA, BED'84 and **Tiana McCallum**, BScN'89, BSc(H.ED)'96 recently relocated to Toronto. Rusty was appointed director of sales, Mother Parker's Tea and Coffee, and Tiana is a nurse educator with Telehealth Ontario. Contact email is james5668@rogers.com

1 9 8 5

Cynthia Boyd, BSW, MSW'89, has accepted a teaching position with the St. Thomas University social work department for the 2003-04 academic year.

Leslie (Fyfe) Golding, BA, and husband Martin have a daughter, Elizabeth, born November 14, 2002.

Beth Knowles, BSc, and David Weir announce the birth of Ian Hunter on May 1, 2003. Beth is a respiratory therapist at the Dr. Everett Chalmers Hospital in Fredericton, N.B. Friends can contact Beth at weir@nbnet.nb.ca

Cynthia Langlands, BCOM, and Bruce Gray are pleased to announce the birth of their first child, Olivia Helen, on August 18th, 2003, in Dallas, Texas. Cynthia has been working at ExxonMobil's Corporate Headquarters since 1991.

Sally (Thomas) Robertson, BREC, MED'89 and **George S. Robertson**, BSc(HON), PHD'89, have returned to Halifax after 13 years in Vancouver, Ottawa and Montreal. George is a professor in the departments of psychiatry and pharmacology at Dalhousie. Sally is a stay at home mom and active volunteer in Girl Guides, women's soccer and at the school where her daughters Emma, 9, and Kate, 8, attend. They can be reached at sallyrobertson@east-link.ca

1 9 8 6

Deborah A. King, DDH, announces the birth of Norah Diana on November 2, 2002, a sister for Leo.

John Harris Stevenson, BA, has been appointed information technology officer of the International Development Research Centre in Ottawa. John can be reached at jstevenson@idr.ca

1 9 8 7

Michael J. MacDonald, BENG(TUNS), has gone Hollywood and joined Warner Home Video, the leading division of Warner Brothers as director of supply chain management. In this capacity, he will be involved with managing and improving global processes and supporting aggressive growth objectives.

Ian MacLeod, BA, BED'91 and wife **Andrea (Tong) MacLeod** announce the arrival of their daughter **Miranda Jade**, on October 26, 2003.

Kathrin Stokes-Bonhomme, BA (HON), MA'89, and **Eric** announce the birth of **Eva Madeleine**, a sister for **Maya Sophie**, on August 27, 2003, in Gatineau, Que.

1 9 8 8

Mike Fitch, BSc and **Heather Wilson**, BSCA'85, eloped in December 1997 and announced the arrival of **Robyn Anne** on August 16, 2003. Residing in Winnipeg since 1994, Mike can be reached mike@polecatent.com

Shelley (Potter) Fleckenstein, BScPT, was presented with membership in the Canadian Orthopedic Foundation's Hip Hip Hooray Hall of Fame for her contributions to the annual fundraiser.

SPOTLIGHT ON ALUMNI

Pawsitive rehabilitation

When **Shelly Malcolm** (BPE'98, BScPT'98) graduated she pictured a career working with athletes and helping people recover from injury

and surgery. She's followed an impressive path since graduation. One that includes coordinating the Dalhousie Varsity Therapy Program and a World Championship gold medal and championship ring from her season as a physiotherapist with the National Women's Hockey Team. It's also a path that includes full time work as a physiotherapist with The Physioclinic, the largest network of private clinics in Nova Scotia.

What Malcolm did not anticipate when she was career planning was a side career in physical rehabilitation for animals. Working as a physiotherapist, Malcolm often found herself chatting with clients about her own dog and her clients' dogs. That set her on a mission to find out whether the benefits of physiotherapy were available to animals.

Malcolm began talking to local veterinarians and pet owners and then took the next step, an American course on physical rehabilitation for dogs. Shortly after the American course,

Malcolm found a Canadian organization for animal therapy, The Canadian Horse and Animal Physical Therapists Association, where she received further training. She has opened her own business, Pawsitive Action.

Malcolm now works on referrals from area veterinarians. Treatment includes everything humans might get – ultrasound, electroacupuncture and manipulations.

"People automatically think of physiotherapy for post-operative care when they have surgery or suffer an injury," says Malcolm. "I hope people will start to think in the same way for their pets."

Despite her success, Malcolm doesn't plan to give up on humans just yet.

"I find my work with animals relaxing and challenging," says Malcolm, "but I'd be missing out on something if I had to choose between animals and people."


– Andrew Younger, BSc'98, BJ(K)'99



Shelly Malcolm and her dog, Kali

Photo: Younger

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1 9 8 9

Geoffrey Creighton, BSC, his wife Andrea, Zoe, 4, and Cohen, 3, are settling in nicely to the mountain lifestyle in Calgary, Alta. Geoffrey accepted a position at Shaw Cablesystems producing and directing television commercials for Shaw and StarChoice.

Melodie MacNeil, BCOM and **Bob Pelley**, BCOM, welcomed their first child, Sam Ronald into the world on May 2, 2003.

Richard A.M. Outerbridge, MSC, has been teaching English in Korea for almost two years and is having a great time. Richard is finding it the most rewarding work he's ever done.

1 9 9 0

Pamela (Pearson) Brown, DDH, and Darren welcome Carter Darren who was born April 29, 2003 – a brother for three-year-old Carly Nicole. Pam can be reached at dp.brown@ns.sympatico.ca

Doran Donovan, BCOMM, MBA'94, and Laura Leslie announce the birth of Ella Marie on October 7, 2003, a sister for Alexis, 2 1/2. They live in Halifax and can be reached at doran.donovan@cibc.ca

Peter Hogan, BSC(PHARM) and **Brenda (Woods) Hogan**, DDH'91 are pleased to announce the birth of Benjamin William on July 17, 2003, a brother for Madison, 4. Peter and Brenda are in Quispamsis, N.B., where Peter works for Shoppers Drug Mart and Brenda is employed at the dental office of Dr. S. Holt.

Seema Rathee, MD, married Rocky Khanna in Halifax on September 1, 2003. Seema is living in Toronto where she is in family practice with a downtown clinic.

Fredrik Thoren, BSc, MD'95, and Annika (Hjortmo) Thoren announce the birth of Fabian on August 18, 2003. They were married June 2, 2001. Fredrik is now with the diabetes department at the Sahlgrenska University Hospital in Goteborg, Sweden.

Tory S. Thorkelson, BA, was elected vice-president of the Seoul, Korea, chapter of KOTESOL (Korean Organization of Teachers of English as a Second or Other Language). He also published his second co-authored research article on "Listening and Anxiety" in the June 2003 *ALAK Journal*. A founding member of the "Seoul Players," he recently appeared as one of the four leads in *A Christmas Carol – the comedy*.

A MEETING OF MASTER MINDS

Dalhousie's lecture series for retired faculty, staff, alumni and friends continues in March with **Dr. Michael Cross**, presenting "What makes them hate? The radical right in Canada from the 1960s to today."

All welcome. March lecture date and time TBA.

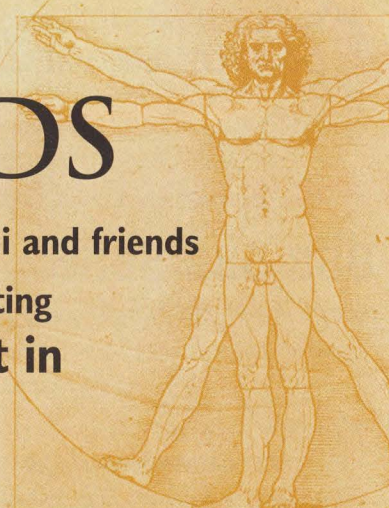
Contact Shawna Burgess at 494-6051 or shawna.burgess@dal.ca



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SPOTLIGHT ON ALUMNI

Alumni make their marks around the globe

It was a season of awards for Dalhousie alumni. From architecture to entertainment, Dal grads accepted national and international attention for their work.

Across the ocean in Africa, **Burris Devanney** (BEd'60) learned he'd won the

Architectural League of New York. They are the first Canadians to win this award. Forsythe and McAllen also took home other awards including the winning entry in the First Step Housing Competition, presented by Common Ground Community and Architectural League of New York; the Golden Prize for design in Beyond East and West housing competition; and, most recently, the Ronald J. Thom for Early Design Achievement, presented by the Canada Council.

In science, **Eric Demaine** (BSc'95) was named by *Popular Science* as one of the "10 Most Brilliant Scientists" in the United States for his work with computational origami, a hybrid discipline that integrates computer science, mathematics and concepts inspired by the Japanese art of paper folding.

Jennie Raymond (BA'94) took home a Gemini for her work as supporting actress on the Canadian television program *Blue Murder*. Raymond has landed a leading role in the CTV miniseries adaptation of Nino Ricci's

Lives of the Saints, set to air this spring.

— Andrew Younger, BSc'98, BJ(K)'99



Devanney in Africa

Photo: Younger

15th Annual Lewis Perinbam Award in International Development from the Canadian Bureau for International Education. Devanney is executive director of the Nova Scotia Gambia Association (NSGA) and splits his time between Canada and The Gambia. He received the award for his work with a peer health education project and other initiatives in The Gambia. The Perinbam Award was created in 1983 and recognizes grassroots achievement that improves life in developing countries.

Stephanie Forsythe (MArch'00), **Todd McAllen** (MArch'00) and **Ben Checkwith** (MArch'99) won the prestigious Young Architects Award from the



Raymond is on Canadian TV

1991

Mark Baillie, BSc (PHARM), announces the birth of Ryan Christopher on February 26, 2003, a brother for Emma, 2. Mark is a clinical coordinator for Surgery/Critical Care Pharmacy Services and a clinical associate professor of pharmacy at the Medical University of South Carolina in Charleston, South Carolina.

James Bell, BCOMM, and wife Rhonda announce the birth of their first child, Evan James at the Women's College Hospital in Toronto.

1992

Richard Campbell, MDE, is a senior advisor to the executive director for Canada, Ireland and the Caribbean at the IMF. He and his wife Ann-Marie Layne, live in Rockville, Maryland.

Margaret (Cruikshank) Groves, BScPH, and Richard Groves, along with big sister Rachel announce the birth of Maya Dawn on May 30, 2003, in Kingston, Ont. In August, the family moved to Orleans, Ont.

Stephanie Langley, MSc, MD'95, PGM'97, is practising family practice in North Sydney and is president of the medical staff at Northside Harbourview Hospital. Stephanie is enjoying life on the water in beautiful Cape Breton with husband **Dan Bunbury**, PHD'95, and daughters Maggie, 6, Emma, 4, and latest additions Sophie and Eve, 10-month-old twins. She is looking forward to planning the 10-year reunion in 2005.

Brad Sarson, BA, LLB'95 and **Pamela Clarke**, LLB'92 announce the birth of their son, Adam Christopher on April 19, 2003, a brother to five-year-old Jared.

1993

Lesley Baker, BSc, lives in Riverview, N.B., with two children, Adam, 6, and Meaghan, 3.

Farhad Dastur, MSC, PHD'00, is employed at Kwantien University College in Vancouver and part time at Western Washington University in Bellingham, WA.

1 9 9 4

Jeff Harding, DENG, BSC'95, BENG'98 (TUNS), and **Penny (Dankner) Harding**, BREC'95, were married in Halifax on June 29, 2003. They reside in Hubble, N.S., and both work at Aliant. Jeff is the manager of process improvement and Penny is in-house legal counsel.

Kristine Nielsen, BCOM, received her certified general accounting designation in August 2002 while working as an internal auditor for Quebecor World Inc. in Montreal. She married Martin Poulsen on June 7, 2003, in Dartmouth and the couple now live in Denmark.

1 9 9 5

Sylvia Burrow, BA(HON), received her PhD in philosophy from the University of Western Ontario on June 2003, and is now a faculty member with the philosophy department at Mary Immaculate College at the University of Limerick, Ireland.

Kathryn (Strum) Poole, BScPT, and Frank Poole announce their marriage on October 4, 2003 in Liverpool, N.S. Kathryn is employed at Roseway Hospital and they live in Shelburne with their dog, Sophie.

1 9 9 7

Shane Menchions, BENG, says hello to all of his classmates. He is currently at the University of Michigan completing his MBA. Over the past six years he has called Toronto and Scotland his home. He can be reached at smenchio@umich.edu

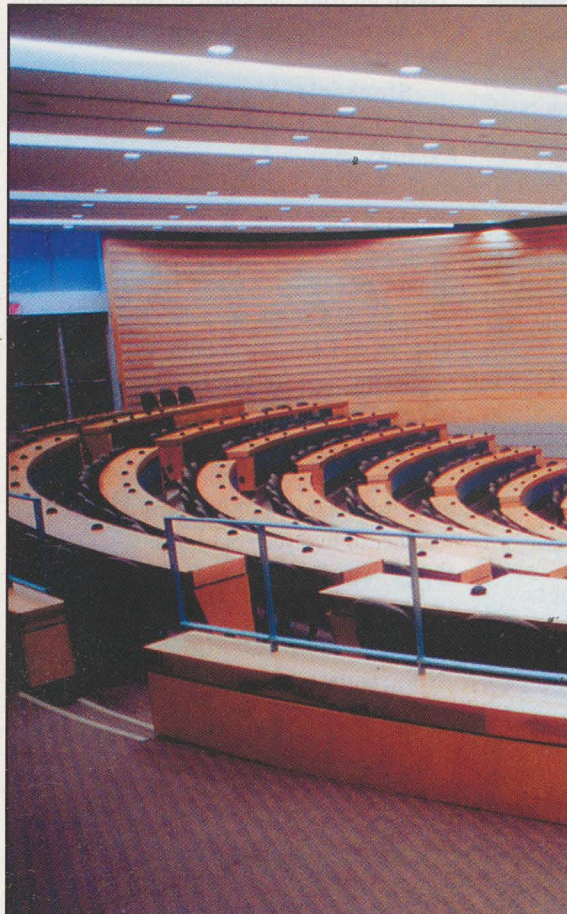
Brian Nelson, MBA, has returned to Kingston, Ont., after four great years in Naples, Italy.

Heidi (Rhyno) Newell, BSW, and husband, Tim, welcomed Erin Nicole Grace to their family on October 7, 2003, a sister for Katie and Aidan.

1 9 9 8

Christopher Fahie, BSC, BENG'00, MASc'02 and **Kari Duggan**, BA'99, BED'01 (University of Maine) were married on August 16, 2003. They live in Portland, Maine.

Vanessa (Zacny) Poulton, BA, and James married on December 27, 2003, in Oakville. Vanessa works in Human Resources for GlaxoSmithKline Consumer Healthcare. Friends can contact them at jpoulton2@cogeco.ca



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1 9 9 9

David F. Mercer, MA, is research and statistical officer with the Nova Scotia Provincial Health Council, a volunteer advisory board to the Minister of Health. He is currently engaged in research to develop indicators based on the determinants of health.

2 0 0 0

David C. Brophy, BA, finished a year of teaching on St. Croix in the US Virgin Islands.

Laura Chaplin, BCOM, married Greg Szilier in Wolfville, N.S., on July 5, 2003. They live in King of Prussia, PA. Laura works in marketing for a medical communications company. Friends can contact her at lauraszilier@yahoo.com

Jennifer Kent-Walsh, MSC, received her PhD in communication sciences and disorders from Pennsylvania State University in August 2003. She accepted a faculty position at the University of Central Florida where she and her husband Scott are living in Orlando.

Shane Neilson, MD, had *The Beaten-Down Elegies* published by Frog Hollow Press of Victoria B.C. in November 2003.

2 0 0 1

Lindsay Campbell, MHSA, is Director of Rural Health with the Cape Breton District Health Authority. Lindsay is living in Inverness, N.S., and can be reached at campbell@cbdha.nshealth.ca

Carol (White) Serroul, BCSC, and husband John announce the arrival of their first child, Bronwyn Kelty, on March 15, 2003.

2 0 0 3

Errin M. Armstrong, MLIS, is a policy research officer with the Union of BC Municipalities in Richmond, B.C.

Sean David Carter, MURP, was a member of the first year MURPH class of 1997 and, in the summer of 2003, completed his thesis.

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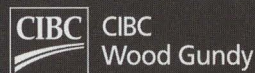
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Aileen (Battye) La Borie, LLB and **Benjamin La Borie**, LLB'02, were married on October 11, 2003, among family and friends in Vancouver, B.C.

Todd M. Mosley, DEHSM, has been married to Mary Ann for 17 years. He is a provincial training officer for the Ministry of Health and Long-Term Care and is responsible for training all new ambulance dispatchers. Todd is also a volunteer firefighter for the village of Dorchester, Ont., where they reside.

Amber Snow, BSC, is still attending Dalhousie and commenced law school in September 2003.

Olga Stachowiak, DMET, who is from Russia, graduated in May. She would like to thank her teachers at Dal who helped her gain her knowledge in this relatively new science. Olga is looking forward to getting involved in research.

Deaths

Donald Clifford Denison, GRAD STUDIES, Dartmouth, on September 1, 2003

Currie R. Ferguson, HEALTH PROFESSIONS, Halifax, on August 11, 2003

Patricia Dorothea (Morrison) Flynn, ARTS, Halifax, on July 18, 2003

David H.A. Hess, ARTS, September 23, 2003

Maryan (King) Shepherd, ARTS, Australia, in 2003

Ronald Drysdale Urquhart, MANAGEMENT, October 28, 2003

Arthur Wellington Webber, ARTS, Halifax, on September 2, 2003

Mary Allison (FitzRandolph) Hart, BA'26, Woodstock, Ont., on July 11, 2003

Clarence R. "Larry" Dunlap, BENG'28, DENG'67(NSTC), Victoria, B.C., on October 20, 2003

Sara Mina (Volinsky) Levine, BA'28, Halifax, on July 8, 2003

Rand Hector Matheson, BCOMM'29, Halifax, on August 17, 2003

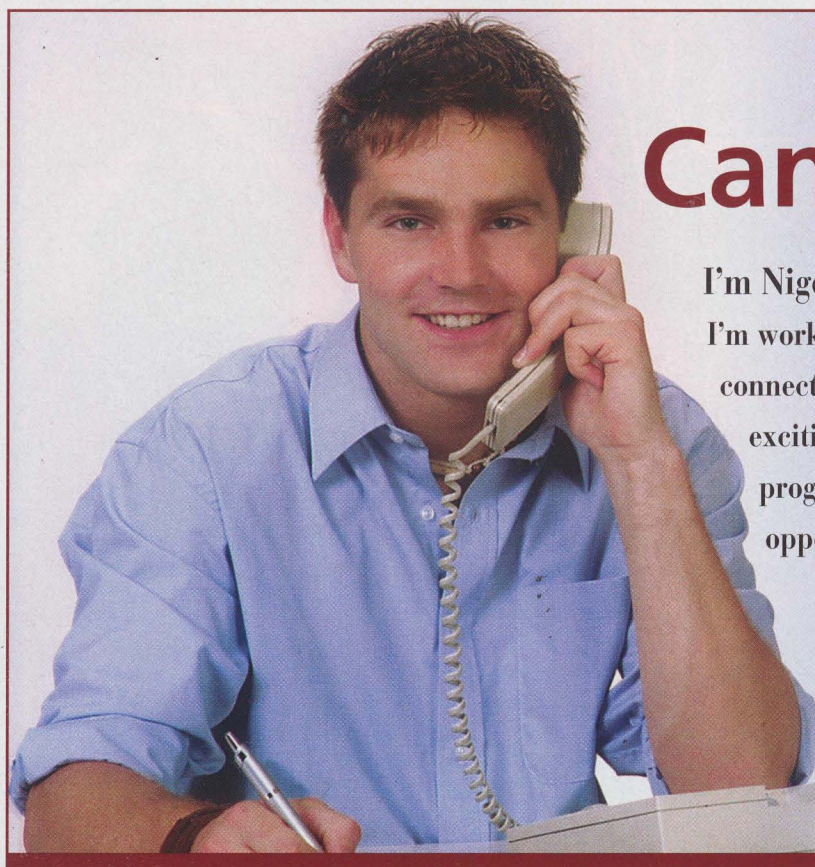
Anne (Linder) Hammerling, BA'30, MD'34, Halifax, September 29, 2003

William "Bill" Halley, BENG'31(NSTC), New Jersey, on October 27, 2003

Marie S. Fergusson, BA'32, Glace Bay, on August 26, 2003

Margaret Rutherford (Burriss) Creighton, BA'34, DED'35, September 26, 2003

Harold Palmatory Connor, BA'34, LLB'37, Halifax, on March 15, 2003



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G. Darrell Donaldson, MD'35, Blockhouse, Lunenburg Co., N.S., October 16, 2003

John Jarvie, BA'36, Saint John West, on April 17, 2003

Eric Paul Angel Stephenson, DENGR'37, BENG'39 (NSTC), Lakeville Corner, N.S., on July 24, 2003

A. P. Boutilier, BENG'38(NSTC), March 5, 1999

John B. Proctor, BENG'38, September 24, 2002

Jonathan Ewart Blanchard, BSc'40, LLD'00, Halifax, on August 22, 2003

Nordau R. Goodman, BSc'40, MSC'46, Halifax, on July 17, 2003

Harry James Askew Grant, BSc'40, Truro, N.S., October 11, 2003

Robert Gordon Wright, MD'40, September 22, 2003

John Francis "Frank" McInnis, BENG'41, Hopkinsville, K.Y., on July 25, 2003

Edward Lefferts III Thorne, MD'41, Liverpool, N.S., September 14, 2003

Carmen N. MacIntosh, BSc'42, MD'45, Antigonish Co., N.S., November 4, 2003

Charles A. MacIntosh, DDS'45, September 28, 2003

Edna Grace (Tobin) Wenning, DPHRM '46, Halifax, on August 18, 2003

Stephen Blair Dunlop, BCom'48, Ottawa, October 20, 2003

George Alexander "Sandy" MacKay, LLB'48, Ottawa, on July 30, 2003

Stephen Merle Bancroft, BENG'49 (NSTC), King's Co., N.S. on August 25, 2003

Charles Gerald "Gerry" Bruce, BENG'49 (NSTC), Truro, October 27, 2003

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Senior Mechanical Engineering students Adam Brown and Catherine LeBlanc review an engine schematic using Unigraphics 3-D solid modelling software, provided by PACE to Dalhousie University's Faculty of Engineering.

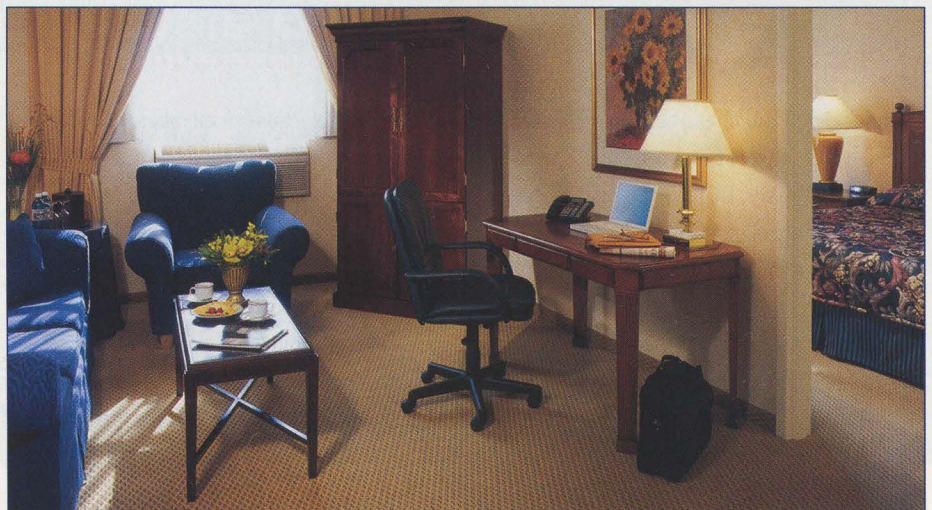


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Robert Stanfield: trusted politician dies at 89

He's been called the best Prime Minister Canada never had. **Robert Stanfield** (BA'36) was widely thought of as trustworthy and intelligent, and in 1972 found himself only two

seats shy of becoming Canada's 15th Prime Minister.

Stanfield came from a Nova Scotia family well known for its line of made-in-Canada underwear. He was born in Truro, Nova Scotia in 1914. He graduated from Dalhousie's

Law School but confessed he never enjoyed the practice of law. Stanfield said the Second World War energized him to try politics. He entered politics in 1949 and by 1956, at the age of 41, became Canada's youngest premier at the time. As premier, Stanfield created vocational schools, hospital insurance and established consistent funding for universities. He remained unbeatable in Nova Scotia until he left provincial politics for the federal stage in 1960.

That year, Stanfield took over the leadership of the national Progressive Conservative Party from the embattled John Diefenbaker. As a federal politician Stanfield was elected four times representing both Halifax and Colchester-Hants but Trudeaumania thwarted his attempts to bring his party to power. He never saw this lack of success as a personal failure saying that Trudeau's personal appeal couldn't be overcome by anyone. It's said

Stanfield thought if he was to walk on water, the media wouldn't be impressed, but instead would say he couldn't swim.

Though he stepped down as national party leader in 1975, Stanfield remained active in politics and the community. He received 11 honorary doctorates from universities across Canada. He frequently spoke out on constitutional issues and was active at Dalhousie, most recently as an associate board member. In 2001, a \$50,000 endowment from The Windsor Foundation created the Rt. Honourable Robert L. Stanfield Bursary Fund in recognition of the contributions of Stanfield as a member and governor of the foundation between 1980 and 1999. It provides at least one annual bursary to a black Nova Scotian in fulltime studies at Dalhousie.

Robert Lorne Stanfield died December 16, 2003. He was 89.



Photo: Province of Nova Scotia

In 1956, Stanfield was sworn in as Nova Scotia premier at the age of 41.

Nova Scotia Legal Aid founder dies in Halifax

Legal and political minds across Canada were saddened to hear of the death of **Howard Edward Crosby**, QC (LLB'55). He died suddenly Dec. 12, 2003, in Halifax at the age of 70.

Crosby graduated from Dalhousie Law School at 21 and went on to a Master's in Law at Southern Methodist University in Texas. He served as Member of Parliament for Halifax West from 1978 to 1993, winning his seat in five

consecutive elections. A member of the Nova Scotia legal profession for more than 40 years, Crosby is credited with founding Legal Aid in Nova Scotia. Crosby also served as legislative counsel to the Nova Scotia House of Assembly and earned the distinction of Queen's Counsel.

"I always thought he was one of the smartest people in the House of Commons," former Prime Minister Joe Clark said in an inter-

view following Crosby's death.

"Few members of parliament from our province spoke with such passion and conviction as Howard Crosby did before, during and after his years in office," said Nova Scotia Premier John Hamm.

Crosby is survived by his wife, Janet Robblee, daughter, Elizabeth, son, Michael, a grandson, Maximilian, two sisters, and a brother.

Stewart "Bud" Fuller, MD'49, Bedford, N.S., September 10, 2003

Nicholas Patrick Joseph "Nick" Meagher, BSC'49, DPHARM'50, MA'62, Halifax, on June 28, 2003

Kathleen Kinley, DPHRM'50, Halifax, on June 29, 2003

Walter Stephen "Hez" Regan, LLB'50, Ottawa, on August 28, 2003

Alton Tremaine "Ted" Banks, BENG'51(NSTC), Kingston, on August 5, 2003

John Francis "Jack" Boudreau, MD'51, Halifax, October 18, 2003

William G. Cameron, MD'51, March 23, 2003

Floyd Almon Keddy, BENG'51(NSTC), Trenton, N.S., on July 11, 2003

Donald W. Turney, BENG'51(NSTC)

Malcolm N. Beck, PGM'54, September 18, 2002

Harry J. Noble, LLB'58, Ponoka, Alta., August 30, 2003

Robert H. Poulsen, BCOM'58, Halifax, September 8, 2003

James P. Corcoran, BENG'60(NSTC), July 13, 2003

Michael O'Handley, BENG'61(NSTC), Dominion, N.S., on July 1, 2003

Harrena Calabrese, DTSN'62, December 2002

Robert Frederick "Bob" Weary, BENG'62(NSTC), Liverpool, N.S.

Ralph C. Jerome "Jerry" Gonsalves, MD'63, Grand Pre, N.S., September 8, 2003

James Malcolm MacGowan, LLB'63, Halifax, on July 30, 2003

Robert Emmett Munro, MD'63, Toronto, on July 3, 2003

Ann Lauraine Marie (Morrison) Brigden, DDH'65, September 23, 2003

Leslie R. Thoms, LLB'65, on December 5, 1999

Michael John Ardenne, BA'69, Seabright, Halifax Co., October 11, 2003

Paul Batstone, BENG'72(NSTC)

Mary Theresa (Walsh) Keough, DNSA'72, Halifax, on August 20, 2003

Lindsay Myers, MD'72, Beaver Meadow, Antigonish Co., N.S., October 3, 2003

Milton Robert Young, BSC'73, BED'76, Halifax, on June 28, 2003

David George MacDonald, BME'74, Halifax, August, 2003

Susan J. Bate, Saint John, N.B., April 1, 2003

James M. "Mitch" Bourne, BA'76, Halifax, September 16, 2003

Paul Evans Mackin, BEDS'76, Calgary, September 9, 2003

Paul "Cameron" McQueen, MPA'77, Kentville, N.S., on July 12, 2003

Samuel Delbert "Del" Clark, LLD'79, Toronto, September 18, 2003

Betty Smith, BSW'82, MSW'84

Steven R. Smith, BCOM'83, Moncton, on August 3, 2003

Roy Alexander Turner, BENG'85 (TUNS), Liverpool, N.S., September 7, 2003

John Peter Marmulak, BENG'89 (TUNS), Sydney, N.S., October 16, 2003

Kim Dawn Graves, MPA'93, Dartmouth, on July 22, 2003

Dimitri Sotiriou Panopalis, MA'94, Halifax, on July 8, 2003

Bertram Neville Brockhouse, LLD'96, Hamilton, October 13, 2003



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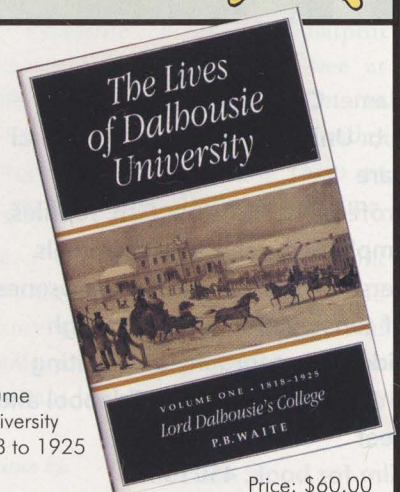


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Swimming with the fish

University vet takes video and photography interests under the sea



Photos: Abriel

Name: Chris Harvey-Clark

Job: University Director of Animal Care

Professional Passion: Fish, reptiles, amphibians, and wild mammals

Personal Passion: Raising awareness of conservation issues through video, photography and writing

Title of book: Eastern Tidepool and Reef

Film for book: 450 rolls

Surprising fact: Makes wood carvings of species he studies

The professional work I do as a research animal veterinarian is compelling because it allows you to have a positive impact on the lives of a large number of animals. The most satisfying thing is watching them rapidly improve when you are successful in treating them. • The sea is a central passion in my life, professionally and personally. The biggest challenge is to get the general public to feel invested in conservation of the oceans. • Documentary work is a completely different but overlapping world compared with the practicalities of being a vet. The most interesting thing I've done in that respect was hunting for Sir John Franklin's lost ship *The Terror* in the Arctic waters off King William Island. That expedition combined a great mystery with a real scientific search for the wreck. I learned about arctic flora and fauna and had a chance to explore both on land and underwater in an area few people have ever seen.

Research: Andrew Younger (BSc'98, BJ(K)'99)

Health and Dental Protection Today

Camille Frank

Product Manager—Manulife Financial

Times have really changed. The days when university graduates remained with one company for a career span of 25 to 30 years are long gone. Today, the trend of self-employment is on the rise. And with it, the loss of group health benefits that corporations provided for employees and their families is leaving many Canadians in risky waters without nearly enough health protection.

In Canada, self-employment accounts for almost 18 percent of all jobs, or more than 1 in 6 people. This means that 2.3 million Canadians have ventured out into self-employment – up from 14 percent in 1989¹.

The freedom to work for yourself and choose your own hours is extremely appealing. But, there are other factors that need to be considered and taken

care of, like essential health and dental benefits for yourself and your family. Most people assume that they are covered sufficiently under their provincial health plan. What they don't realize is that provincial health plans cover less than they may think. Take a look at some scenarios which outline how little provincial plans actually cover.

Dental, prescription drugs, alternative therapies (massage therapy, chiropractors, naturopaths, etc.), **semi-private hospital coverage and vision benefits** – these health care items and services are essential for the well-being of your family. To ensure that all of your family's health needs are covered, you may wish to consider enhancing your provincial health plan by applying for the Alumni Health & Dental Protection plan.

Dalhousie University is pleased to provide the health and dental protection plan underwritten by The Manufacturers Life Insurance Company (Manulife Financial) for Dalhousie University alumni, just like you. The plan features affordable options to meet everyone's needs and price range. Plus, there's **no deductible** on health claims, they are paid on the first dollar incurred. Also, the value added feature of ManuAssist, a 24-hour emergency travel assistance program is included at no additional cost to you!

Dental coverage: If your child is hit in the mouth with a ball or the end of a hockey stick, while playing street hockey with friends, some provincial plans may cover as little as \$0 for dental treatment. The cost for emergency dental treatment in a situation like this could add up to about \$850.

Since the Dalhousie University Office of Alumni Relations sponsors the plan, you are guaranteed superior benefits at exceptionally low prices. If you would like to complete an application, or if you have any questions, visit www.manulife.com/dalhousie, a Web site designed exclusively for Dalhousie University alumni, or call Manulife Financial's helpful Customer Service Centre toll-free at 1-888-913-6333 from 8:00 a.m. to 8:00 p.m. Eastern Time, Monday through Friday, or e-mail them at am_service@manulife.com any time.

Take a few minutes to think about how a health plan, like this one, could enhance your provincial coverage and provide you and your family with the important health protection they need.

Alternative therapy: If you injure your back at work or at home, massage therapy treatments with a registered massage therapist (RMT) can cost \$30 or more for a single half-hour session. If you decide to visit an RMT once a week for a month, you could expect to pay up to \$120 or more!

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¹Source: Statistics Canada – "Labour Force Survey" – updated as of February 3, 2003.

All alumni of the University and their spouses who are resident in Canada and under 61 years of age are eligible to apply. Any dependent children who are resident in Canada and under age 25 are also eligible to apply. Alumni who participate in the Alumni Health & Dental Protection plan designed by Manulife Financial may apply to insure their spouses and dependent children.

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