

DALHOUSIE

the alumni magazine | spring 1998

*Biomedical
engineering*

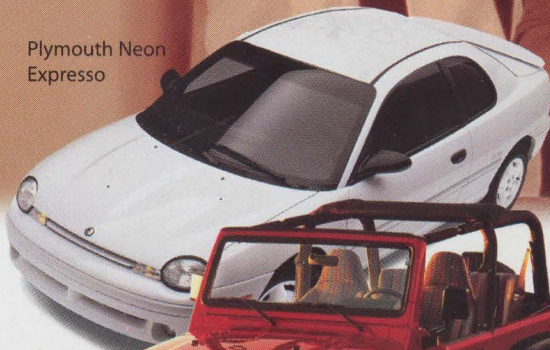
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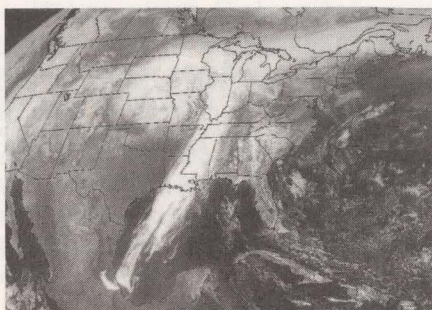
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All in the family

How far do your Dal connections reach? Some multi-generational families trace their beginnings to the 1800s and see their extensions into the next century

By Allison Funnell (BA'96)

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Hot, hot, hot on weather

From the country's only all-weather television station, three Dalhousie graduates influence the daily lives of Canadians

By Jennifer Beale

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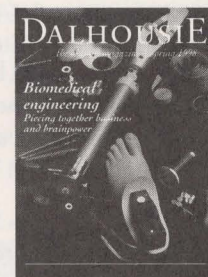
COVER STORY

The anatomy of biomedical engineering

When medical expertise and engineering skills come together, the union can be good for the economy and the community

By Joey Fitzpatrick Cover photo by Danny Abriel

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DALHOUSIE is the official periodical of the Dalhousie Alumni Association, and appears three times a year. Editorial deadline for the next issue is July 3, 1998.

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Editor's Message Editor's Message Editor's Message Editor's Message

Every morning at about 6:30 a.m., I lean over my bathroom sink, peer into a mirror and deliberately transfer a tiny, delicate film of plastic from the tip of my index finger to the cornea of each eye. It's a ritual I've repeated almost daily for two decades, usually with great success (save for those contact lenses that have, at various times, shot down the drain for destinations unknown). I've never thought much about the origins of my lenses so I was surprised when I first read Joey Fitzpatrick's cover story and discovered my contacts are, in fact, a product of biomedical engineering.

Contact lenses represent the extent of my known association with biomedical engineering but products from this dynamic field are everywhere. Prosthetics, insulin pumps, pacemakers, EKGs, medical lasers – all were born of biomedical engineering. Many more such products and improvements are developing. Tissue engineering – a term that didn't even exist before the late '80s – is a hot biomedical engineering research area right now. It involves combining cellular biology, protein chemistry and bioengineering to create substitute tissues, such as skin and blood vessels, and artificial organs. These, and many other developments, are making immense contributions to medical diagnosis and treatment.

The entire biomedical engineering field is evolving at a dizzying pace, bringing to reality medical devices and quality-of-life improvements that could only have been dreamed about a few decades ago.

Biomedical engineering is also making immense economic contributions. It falls under the umbrella of biotechnology – a rapidly-growing industrial sector that's expected to continue to have a profound impact on our lives. About \$20 billion of biotechnology products were sold worldwide in 1994. It's estimated global sales will grow to as much as \$100 billion by the year 2000. In the

United States, projections suggest biomedical engineering will lead engineering employment growth during the next decade.

Little wonder, then, that Dalhousie's new department of biomedical engineering is being greeted with enthusiasm by students, faculty and those watching the biotechnology and medical products industry in the Atlantic region. The program offers the potential for new and enhanced partnerships with the local and national biotechnology industry. In an age of decreased government funding, that's very good news as universities seek to establish innovative funding arrangements.

In fact, universities are now seeking innovative approaches and solutions to a myriad of challenges. As part of that, we're doing plenty of soul-searching – largely in the form of strategic planning. Both at the senior administrative level, and within our alumni affairs department, we're asking questions about our roles and how we should proceed so that we can be most effective.

As alumni, you're a critical part of this process. You can provide important insight and opinion. Inside this issue, you'll find messages from both Dalhousie President Tom Traves and alumni affairs director, Lynne Sheridan. Both explore the change that's facing us and invite your input, your thoughts and ideas to help us determine how we can move strongly and wisely ahead.

Dalhousie has come a long way since its modest beginnings in 1818. We still have far to go. These are exciting times. Be part of your university's future. Make your opinion known.

DALHOUSIE
the alumni magazine

vol. 15 no. 1
spring 1998

Editor

June Davidson

Production Assistant

Katharine Dunn (BAHon'98)

Upfront on Campus

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Class Notes Co-ordinator

Nancy Faulkner

Technical Production and Design

Jane Lombard, Dalhousie Graphics

Advertising

(902) 494-2808/Fax: (902) 494-1141

Advisory Board

Diane Bell (BScPharm'84)

Mary Ann Daye (MPA'99)

Michelle Gallant

Dale Godsoe (MEd'87)

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Pam Scott-Crace (BAHon'94)

Lynne Sheridan

Charlotte Sutherland

Graham Taylor

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Dalhousie Alumni Office

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Address your remarks to:

Dalhousie Magazine

Alumni Office

Macdonald Building

Dalhousie University

Halifax, Nova Scotia B3H 3J5

ALUMNI OFFICE: (902) 494-2071

1-800-568-7403

FAX: (902) 494-1141

E-MAIL: JUNE.DAVIDSON@DAL.CA

ADDRESS CHANGES: (902) 494-6971

1-800-565-9969

E-MAIL: ALUMNI.RECORDS@DAL.CA

Balanced view

Congratulations on "Meeting of minds and hearts" (Winter 1998). When I received my winter copy of *Dalhousie* and saw your feature article on the cover, I quickly turned to check and see if you were providing us with yet another heterosexual coverage on the topic. I was surprised and delighted to see that you were not, and that you managed to have Tryna Booth and Lara Morris share their same-sex relationships along with heterosexual couples. It certainly gave a more balanced view of couples in today's society.

In my experience, many universities have remained heterocentric, with many faculty and administrators still not addressing their lesbian, gay and bisexual student needs. I have taught a graduate class on same-sex relationships and can tell you that if universities were more welcoming and safer places for students to "come out," there would be fewer painful experiences for both gay students and gay faculty.

We have much to gain in society by working toward an egalitarian world view where all diverse groups are valued and included. Again, thank you for your excellent coverage. Maybe *Dalhousie's* attitude will filter into some of those universities which are more traditional in their definitions of family life and dating patterns and they, too, will better reflect life in the real world.

Dr. Betty Carter (MSW'74)
University of British Columbia
Vancouver, B.C.

Refreshing surprise

What a refreshing surprise to see "When love is academic" profile a female couple. I'm glad to see the alumni magazine is recognizing all types of loving relationships, no matter how diverse. While I didn't meet my life partner at Dalhousie, it was still a wonderful place to get to know people and I'm glad to say I still keep in touch with many of them 10 years later (although not nearly enough!). While the prairies are beautiful, I still miss the ocean, the drizzle, the fog and, on occasion, the sunny beaches.

Kirk Williams (MA'86)
Winnipeg, Man.
via e-mail

"Inclusive" article appreciated

Your spotlight on Dalhousie couples ("When love is academic") is an excellent

idea. No doubt you will receive lots of reaction for featuring a same-sex couple. I hope to be one of the first, and want to applaud you for doing so. Anything we can do to make our society more inclusive is important.

Pat De Meo
Chair, French Department
Dalhousie University
via e-mail

Moving forward

Kudos to *Dalhousie* magazine and Sandra Porteous for being so inclusive in the article, "When love is academic" (Winter 1998). I was thrilled to see a lesbian couple among those documented. Having studied at Dalhousie, McGill and the University of Toronto, I am continuously surprised at how progressive Dalhousie appears among the three. It always gives me a sense of pride to dispel the myth, often held by central Canadians (and sometimes even me), that we on the east coast are "a little backwards." Keep moving forward.

Karen Cox
Toronto, Ont.
via e-mail

Progressive work

We wanted to congratulate you on your decision to portray a lesbian couple in your article, "When love is academic" (Winter 1998). As graduates of Dalhousie, we were thrilled to see that our experiences of romance were represented in our alumni magazine. Keep up the progressive work.

Rosemary Porter (BEd'91) and
Theresa Henson (BSc'97)
Halifax, N.S.

Love that image

Thank you for another great issue of the *Dalhousie* magazine. I absolutely love the cover. What a great old picture. I always enjoy the articles and this issue is no exception so keep up the good work.

Deanna (Worth) Landry (BScPT'88)
via e-mail

Photographic insight

Received today your Winter 1998 issue of the alumni magazine. Congratulations. It's good stuff. Now, as to your cover story . . . you report that this 'hand-in-hand' photo was from the 1947 yearbook and, indeed, there it is . . . almost! In fact, the photo is from the 1948 *Pharos* and, if a somewhat rusty memory serves, there is a small story behind it. (This is substantiated by a much

younger graduate of 1948, Aleah (Palmer) Lomas with whom I co-habit.)

We believe/think the photo was staged for the *Dalhousie Gazette* the year before (when, for sins past, present and future, I was the editor). I/we can't recall just why it was taken but I/we don't believe it was ever used in the *Gazette*.

The photographer was probably the late and much-lamented Donald Morrison who did for the *Gazette* what Sherman Hines has done for the outhouses of Nova Scotia. More to the point, however, is the matter of the 'stars' of the photo. We think the stout lad with the "D" on his back is none other than S. Blair Dunlop (BCom'48), outstanding athlete and man-about-campus. The lady in question, we think, is that eminent healer-of-the-ill, that Dr. Lilo (Brown) Holland (BSc'49, MD'54) – well known in alumni circles. We challenge any of the above to refute our failing memories!

Alton A. Lomas (BA'49, MA'50)
Sherbrooke, N.S.



Clarifying physics' first women

I was a little surprised to read an article entitled "Climate right for physics' first woman scientist" in the latest alumni magazine (Winter 1998). While it is exciting that physics is getting its first full appointment of a woman physicist, perhaps you are unaware that Professor Mary Anne White holds a cross-appointment with chemistry and physics and essentially has been part of the physics department since her arrival at Dalhousie in 1983.

Mark MacLean (BSc'88, MSc'89)
University of British Columbia
Vancouver, B.C.

Mary Anne White replies: Yes, I have had an appointment in physics since 1987. However, it is a cross-appointment which means that I don't count on the physics salary list; my main appointment is in chemistry. I don't teach in physics but do supervise physics research students as the opportunity arises, and interact with physics in other ways. I think that it would be correct to say that Dr. Lohmann is the first woman professor to teach in the Dalhousie department of physics.

A new vision for change

As a result of significant and unprecedented socio-economic pressures and shifts in Canada, the environment on university campuses across this country is changing. This means Canadian universities face one of two choices. Some universities will have change thrust upon them as a result of new realities. This could take several forms and might include everything from cutting programs to establishing mega-classes in order to reduce costs. But there is another choice. We can view these pressures as opportunities and deal with them in a positive way. We can pilot the change and steer it in the direction we want. That's why I am writing you today – to seek your input and advice and to share our new vision for Dalhousie University with you.

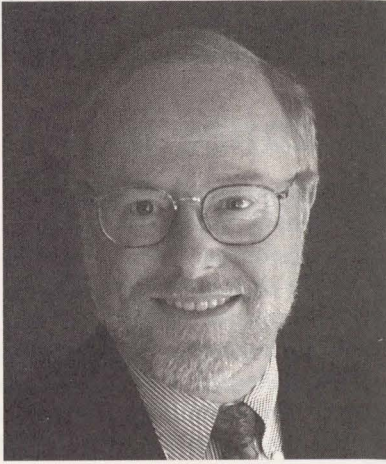
Let me begin by telling you why alumni opinion and perspective is important to me. As President of Dalhousie, I know we have done our job very well over the years. We have an alumni body of over 70,000 men and women. As a group you are well-educated and well-informed. You work in every field of endeavor and have a rich perspective that can add tremendous value to this institution and to our strategic planning. As alumni, you already contribute greatly to Dalhousie – as directors on the Board of Governors, presidents of alumni chapters, faculty advisors, donors, parents of students, employers of graduates, product suppliers, neighbors and friends. You know us well. Not only are you tied to our past, you are tied to our future.

Throughout much of 1997 we consulted with all of our internal stakeholders. This included the Board of Governors, Senate, Deans, faculty and staff members, and students. We believe that to grow and thrive today and in the future, we must adapt a stronger, more entrepreneurial spirit. We recognize that our future lies in selective and strategic growth, not in cutting and retrenching.

In December, the following was established as our objective: **Dalhousie is Canada's most personal major university, integrating acclaimed research strengths and teaching experience, nationally accredited professional education and successful career preparation.** We will continue to provide high-quality undergraduate, graduate and professional education, but we will not do it blindly, plowing the same furrow because that's the way we have always done it. Dalhousie's deans and directors have already been challenged to come up with a set of goals that combine traditional values with future requirements, and after consulting broadly, they have responded with the following goals and objectives:

- Dalhousie's teaching, research and administrative activities must meet **the highest performance standards** to serve student, client and community needs.
- Dalhousie must **strengthen its market position and develop new sources of revenue** from its education, research and professional services.
- Dalhousie's organizational structure, governance systems and operational policies must **facilitate change and innovation.**
- Dalhousie must **attract and retain the best people possible**, and motivate, support, organize and equip them to fulfil their roles within the university's mission.
- Dalhousie must promote itself effectively through **co-ordinated external relations** activities.
- Dalhousie must establish a **financial strategy** to maintain our standing as a major university in a changing world.

Now it is time to turn to you, our external stakeholders. Do you believe these are the appropriate priorities for Dalhousie as we move ahead in a changing world? Are there other areas that deserve our primary attention? How do we turn these ambitions into actions?



You know us well. Not only are you tied to our past, you are tied to our future.

Clearly, this is an ongoing process. But let me share some information with you that provides recent examples of our commitment to action. In recognition of the rapid pace of change in the modern world, Dalhousie is already developing new programs that are in strong demand. And we're doing so within a matter of months, not years. These programs will fill market niches and generate revenues that will enable Dalhousie to lead, rather than follow.

• ***Dalhousie Careers Initiative:***

Beginning this fall, this exciting pilot program will help students combine a strong undergraduate education with workplace skills. In partnership with Human Resources and Development Canada, the project will include undergraduate classes built around the concept of developing a career portfolio and will involve senior students as mentors. In selected classes, students will develop not only academic knowledge, but also a "skills transcript," indicating skills acquired in class that are transferrable to the workplace.

• ***Dalhousie Department of Biomedical Engineering:***

Starting this fall, Dal will offer the first biomedical engineering degree program east of Montreal (see cover story). The new venture is international in scope, with a \$1.2-million start-up grant from the U.S.-based Whitaker Foundation. The program will feature partnering and course exchanges with the University of New

Brunswick, and will lead to linkages with the private sector. The program launches Dalhousie further into technology-based medicine, an area that is expanding exponentially.

• ***Information Technology Educators Program:***

Dalhousie has entered into a joint venture with Halifax-based Information Technology Institute (ITI), to offer an innovative new program in Information Technology Education. This will be a one-year graduate program, offered by Henson College, that blends education theory and practice with strong technical skills and knowledge. It will create a new kind of educator for the new millennium. As well, the school of management is developing an MBA (information technology) in partnership with ITI.

• ***Expanded post-graduate degree programs:***

Dalhousie's MBA (financial services) will now include a wealth management stream. As well, in co-operation with Telecom Applications Research Alliance and CISCO, a master's degree in network engineering will be available.

These accomplishments are commendable, but they are only first steps. Recognizing that government-funded universities no longer hold a monopoly in higher education, Dal is committed to finding new partners in the public and private sector. We will continue to introduce courses and programs that may be unheard of even to recent alumni. We will finance these courses through innovative and outward-looking partnerships. We will expand our research efforts, which grew to over \$50 million of externally sponsored projects this year.

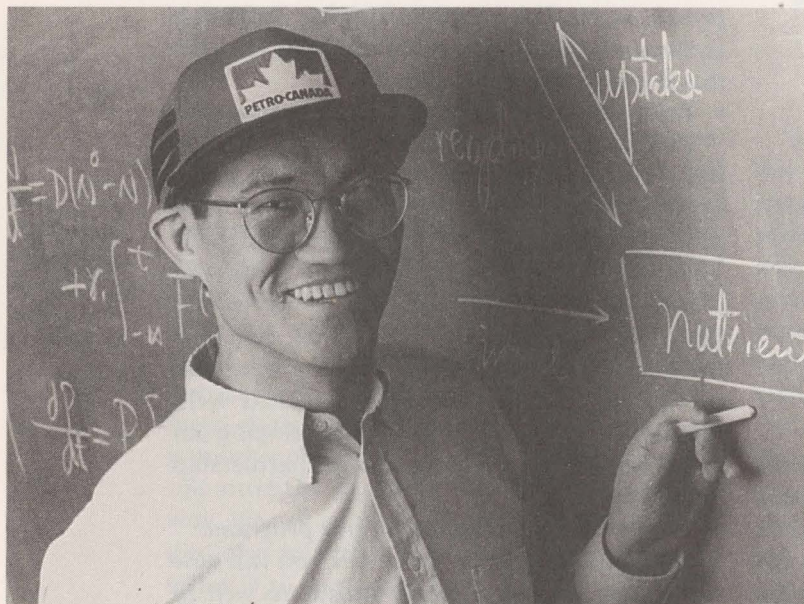
But we will also retain the unique learning and social experience that has always been at the heart of Dalhousie. Our faculty, staff and students are all dedicated to these goals, as am I.

Please share your views regarding our new directions and priorities. I can be reached at:

Tom Traves, President
Arts and Administration Building
Dalhousie University
Halifax, N.S. B3H 3J5
E-mail: Tom.Traves@dal.ca

Math holds secrets for innovative researcher

Many of us think mathematics is way over our heads. But the truth is that math, and some of its complicated formulas, can provide clues to many life puzzles – including the mysteries of global warming. That’s particularly obvious to Shigui Ruan.



Ruan: his formulas may help unlock the mysteries of global warming (ABRIEL)

examine some of the most basic elements of our existence.

These days, he uses the formulas to model the movement and growth of plankton populations – those microscopic bits of animal and plant life drifting in the ocean. The models help predict how factors such as temperature, wind, water turbulence and currents affect food chains that consist of nutrients and various types of plankton. The results of such models could help scientists understand climate-related problems, such as global warming.

Examining plankton in response to temperature and light changes helps predict global warming. That’s because certain types of plankton play a key role in the flux of carbon in the world’s oceans. If there is too much carbon in the atmosphere, the oceans cannot absorb all of it. Thus excess carbon remains in the air, contributing to the development of greenhouse gases.

Ruan’s modeling predictions could also have implications for determining global fish stocks, since plankton represent an important link in the marine food chain.

“As mathematicians, we try to get a deep understanding about some physical phenomena. We use models to interpret results physically and we hope they can be applied to the problem.”

Ruan’s work does not require a laboratory nor does he go to the oceans to record observations – he leaves that to the oceanographers. He relies on a love of mathematics, the help of differential equations and a computer in developing his models.

Ruan’s work is also supported by the Natural Sciences and Engineering Research Council (NSERC).

- Katharine Dunn, DalSPARK

“Most people don’t realize that many real world problems can be modeled by mathematical language,” says the assistant professor of mathematics at Dalhousie.

Ruan, who was awarded a \$25,000 research grant from the Petro-Canada Young Innovator Awards Program, uses specialized and complicated mathematical formulas to

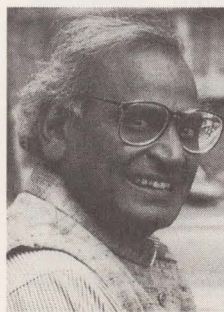
Making the news . . .



Kenny

• **Nuala Kenny**, director of bioethics education and research in the faculty of medicine, and **Lynn McIntyre**, dean of the faculty of health professions, are serving on the federal Health Protection Branch’s Science Advisory Board. The board, chaired by Canadian astronaut Roberta Bondar, will report to federal health minister Allan Rock.

• Comparative religion professor **Ravi Ravindra** is on the prestigious Board of Judges of the Templeton Prize for Progress in Religion. The Templeton Prize has been awarded annually for 25 years. Past recipients include Mother Teresa and Alexander Solzhenitsyn. Present and



Ravindra

past members of the Board of Judges include the Prince of Wales, the Dalai Lama, former US President George Bush and former British Prime Minister Margaret Thatcher.

• First-year student **Sherrie Lambe** is one in a million. Well, almost. Lambe, who’s studying French and political science, is one of only 20 young Canadians to be awarded the Canada Trust Scholarship for Outstanding Community Leadership. The Canada Trust Scholarship covers tuition for up to four years of undergraduate study, \$3,500 per year for living ex-

Award sends "important signal" to young women scientists

Sara Iverson is having a year of "firsts."

The Dalhousie marine biologist recently won a 1998 Natural Sciences and Engineering Research Council (NSERC) Steacie Fellowship – one of the most coveted awards in the Canadian scientific community. This is the first time in 15 years that an Atlantic Canadian researcher has received the award.

Iverson is the first woman at Dalhousie ever to receive the award and, of the four scientists honored as Steacie fellows in 1998, she is the only woman.

Though there are more women scientists than ever before, Iverson believes the "first" recognition is still very important.

"I'd like to think that it's not needed, but it is," she says. "The days of wondering whether women can compete with men are over. That's undisputed. But it's the subtle things; there are still very few women role models around. It's an important signal for undergrads to see that a

woman can win these things and that it is do-able."

Iverson's research focuses on the physiological biochemistry of milk production in mammals. She studies



Iverson: award-winning role model (DOUBLEDAY)

seals, whales, polar bears and bats in areas from Sable Island to Alaska and Hawaii.

She has pioneered a new interdisciplinary field, which involves ecology and wildlife conservation, and has established Canada as the world leader in developing fatty acid "signatures" to study animal feeding and foraging in the wild.

penses, and a summer job at Canada Trust.

• One of Canada's most highly regarded architects has received his third Governor General's Medal for Architecture in

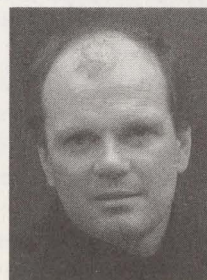
11 years. **Brian Mackay-Lyons** (BSc'73, BEDS'77, BArch'78) is the only Atlantic Canadian to win the nation's most prestigious honor for



Lambe

architecture. His award-winning design – "House on the Nova Scotia Coast" – is located on the rocky coastline.

Mackay-Lyons' buildings have received 40 awards for design, including three Canadian Architecture Awards for Excellence – Canada's top annual award for design.



Mackay-Lyons

Nurses of the North

Dalhousie nurses are reaching out to improve health care – all the way to Canada's Arctic.

Nunavut Arctic College – in partnership with Dal's school of nursing – will offer a bachelor of science nursing (Arctic nursing) degree to Inuit students in the new eastern Arctic territory of Nunavut starting this fall.

There are virtually no Inuit nurses in the North. Instead, nurses are hired and brought in from outside the region. But, with the installation of the Nunavut government in 1999, there is a push to increase Inuit representation in many jobs, including nursing.

But that's not the only motivation behind Nunavut's desire for change.

"The perspective is that having Inuit nurses will enhance health care because they will (be working) from within their own culture," says Dalhousie project coordinator Ruth Martin-Meisner. "That could be very beneficial."

The four-year program will be taught entirely in English – all literature and health transactions are in that language – although successful applicants must be fluent in both English and their native Inuktitut.

So far, response in the Arctic has been positive.

"There are a lot of people interested," says Martin-Meisner. "I spoke with a number of potential students who said they've always wanted to be a nurse."

Dalhousie nursing's role in the North is not new. Students and faculty members have been involved with an outpost nursing program in the Baffin region since 1979.

CKDU rocks on

CKDU-FM's website dubs it: "The little station that does." These days, the station does it in award-winning style.

Dalhousie's radio station was recently named Canadian Campus Station of the Year at the Canadian Music Industry Awards. This is the second consecutive year that CKDU has been honored by the music industry as part of Canadian Music Week.

"Our mandate is to be different than any other station," says station manager Fiona York. "The award recognizes the work we do promoting new music and new genres. We keep very up to date."

CKDU has been operating from Dalhousie's Student Union Building since 1985.

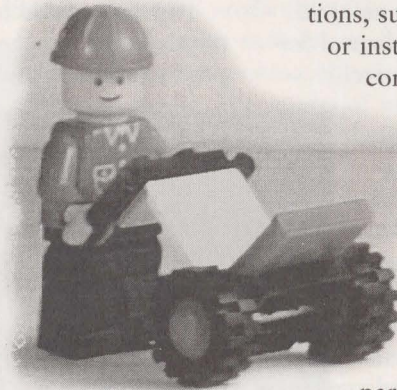
CKDU 97.5 FM

A pain in the back no more

Does your job cause major back pain? Some DalTech engineering students may be able to help.

Three industrial engineering students have designed a device to reduce the need for heavy lifting, making it possible for one person to do a job normally done by two. For their efforts, the students – Sheldon Butt, Matt Fitzgerald and Aaron LeBlanc – won a \$3,000 award from the Nova Scotia Construction and Safety Association (NSCSA).

The project, "The Door Dollie: an Ergonomic Solution," is a modified hand truck which allows material to be moved vertically as well as hori-



zontally. The design was developed specifically for door installation, although it could be beneficial in other construction and industrial situations, such as unloading vehicles or installing windows and air conditioners.

"The competition was designed to encourage students to come up with innovative ideas about reducing on-the-job injuries and accidents," says John McKee of the NSCSA.

The project was also part of an ergonomics and safety engineering course.

Fitzgerald, LeBlanc and Butt haven't had the time or resources to construct a full-scale model of the Door Dollie – they built a model using Lego. They hope that, through the NSCSA, a prototype will be built and tested by a local company.

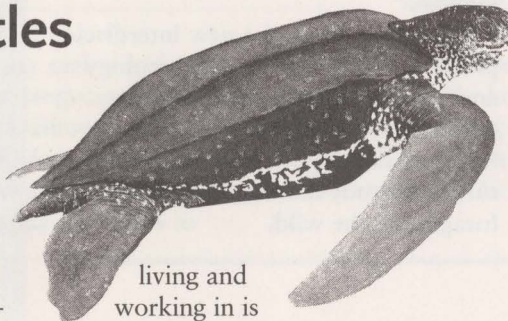
Vet toils to save turtles

When Chris Harvey-Clark asks, "Have you seen this turtle?" the answer can in no way be ambiguous. The marine reptile that Harvey-Clark seeks is the leatherback turtle – it's the size of a dining room table and weighs up to a ton. Once seen, it would not easily be forgotten.

For Harvey-Clark, the problem is that few Nova Scotians have seen the cold-blooded animals – they're endangered world-wide and not many make it to the North Atlantic from their southern nesting areas.

Harvey-Clark, who is also Dalhousie's veterinarian, wants to learn why the massive turtles swim here. He hopes that by learning more about leatherbacks – so-named because of their thick, flexible shell – they can be saved from extinction.

"(By showing up here), leatherbacks indicate the harvested ecosystem we're



living and working in is supporting biodiversity, so they're a good thing to have around," he says. "They're also kind of neat, something you'd like to tell your grandkids about. But at the present rate of decline there won't be any for our grandkids to see."

Estimates are that fewer than 35,000 leatherbacks exist worldwide. Their numbers are decreasing so rapidly that, by the year 2020, there may be none left.

Harvey-Clark became interested in leatherbacks three years ago, when more than 20 were sighted off Nova Scotia's coast. Several of those turtles

died, however, and washed up on our shores.

Eager to learn more, Harvey-Clark, along with others at maritime universities, museums and institutions, established a Leatherback Turtle Working Group last summer. The group enlisted local fishermen and equipped them with waterproof cameras, a sighting form to record turtle data, and a toll-free phone number to immediately report sightings. The fishermen volunteered to watch for leatherbacks while fishing off Nova Scotia.

Though there were only eight sightings reported, Harvey-Clark is optimistic more people will participate this summer. Unfortunately, he is not as optimistic about the fate of the leatherback turtle.

"I'm not confident they'll be saved but it would be nice if it happened," he sighs. "We're stewards of the planet. We have to preserve and conserve the species. It's just a basic motherhood type issue."

Like father, like son



Nigel and Stuart Kemp: swimming sensations share mutual pride (ABRIEL)

When Stuart Kemp (BAHon '98) approached the head coach of Dalhousie's swim team about trying out for the squad, he didn't have to go far. The coach was Stuart's father. But that didn't mean Stuart would be privy to any special favors in making the team.

Unlike Nigel Kemp, who has spent more than 25 years on the pool deck, Stuart had only recreational swimming experience before deciding he wanted to join the Tigers in early 1995. But "by the end of that summer I worked up the nerve to ask my dad to take a look at my stroke," he says.

The effort paid off and, since making the men's team three years ago, Stuart has improved at a startling rate. Last summer, the 22-year-old competed with the Nova Scotia Canada Games team. This season, he was the Tigers' co-captain and qualified for the national championships.

No one is more proud than Stuart's father.

"I've had a lot of satisfaction in having my own son involved in the program and seeing him progress from someone with no competitive background to qualifying for CIAUs," says Kemp, pride replacing his usual reticence.

Stuart's success may spring from more than his extra effort. It probably also has something to do with genes.

Nigel Kemp was a member of the British national swim team and a finalist at the 1965 World Student Games. But he also credits other athletes and the Tigers' training program for Stuart's quick improvement.

Since he arrived in Halifax in 1971, Kemp's training programs have resulted in tremendous success for many athletes. As well as serving as an associate professor and swim coach at Dal, Kemp led the Halifax Trojan Aquatic Club until 1980. There, he nurtured a young Nancy Garapick (BA'86) to a world record and two bronze medals at the 1976 Olympics in Montreal.

Kemp's efforts have earned him the respect of the athletic world. He is a two-time CIAU coach-of-the-year. In 1989, he was inducted into the Nova Scotia Sports Hall of Fame. Now, however, a chapter is about to close.

After 25 years of Dalhousie swimming, the CIAU's longest serving swim coach is retiring.

"Coaching, like anything else in life, is finite," Kemp says, stoically. "I suppose I'm fortunate to be able to have an element of choice about when I step down."

Stuart, too, is leaving Dal. He graduated in May with an arts degree, and considerable pride in his father.

"I take pleasure in being a part of his last couple of years. It's been great having him as a coach."

- Katharine Dunn (BAHon'98)

Tiger tallies

Women's basketball: The team finished the regular season in sixth place with a 9-11 record. The Tigers upset third-ranked St. Mary's at AUAA's before losing to Memorial.

Men's basketball: The Tigers finished regular season with a 7-13 record. In playoffs, they knocked off the second- and third-place teams before losing

to Acadia in the final.

Hockey: After finishing third in the Kelly division regular season play, the Tigers met Acadia in playoffs for the fourth straight year. Acadia prevailed.

Men's track and field: The team had a phenomenal season, capped by the 4 x 800 relay team that won a CIAU bronze medal.

Men's volleyball: The Tigers

captured the AUAA title and the consolation trophy at the CIAU championship in Calgary.

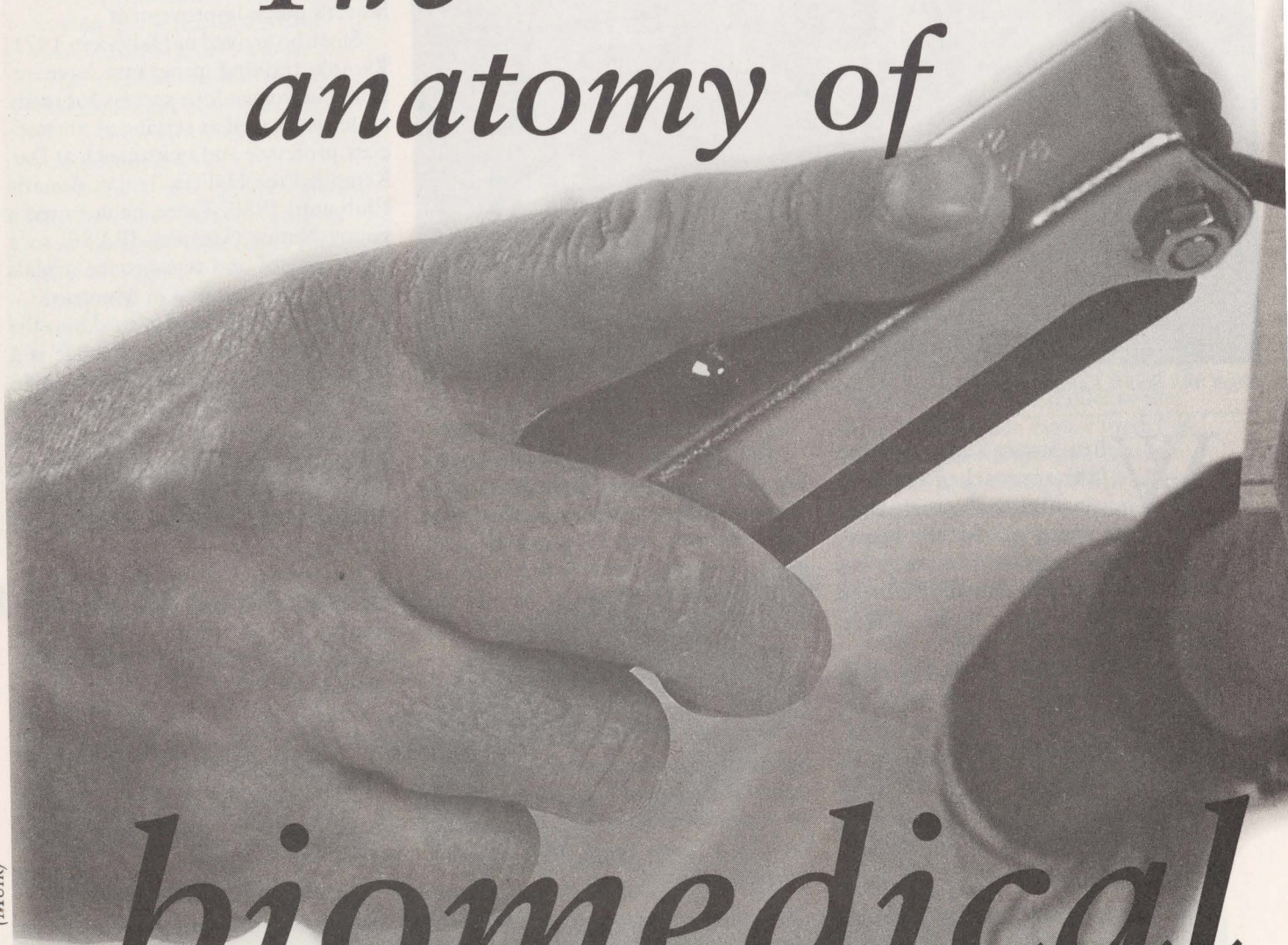
Women's volleyball: The Tigers went 17-1 in the regular season and won the AUAA's.

Women's swimming: Coach Nigel Kemp led six Tigers to CIAUs. The women's 400M and 800M freestyle relay teams both placed fifth nationally.

Men's swimming: Coach Kemp led four men to CIAUs. AUAA rookie-of-the-year, Chris Stewart, set an AUAA record in the 50M breast stroke.

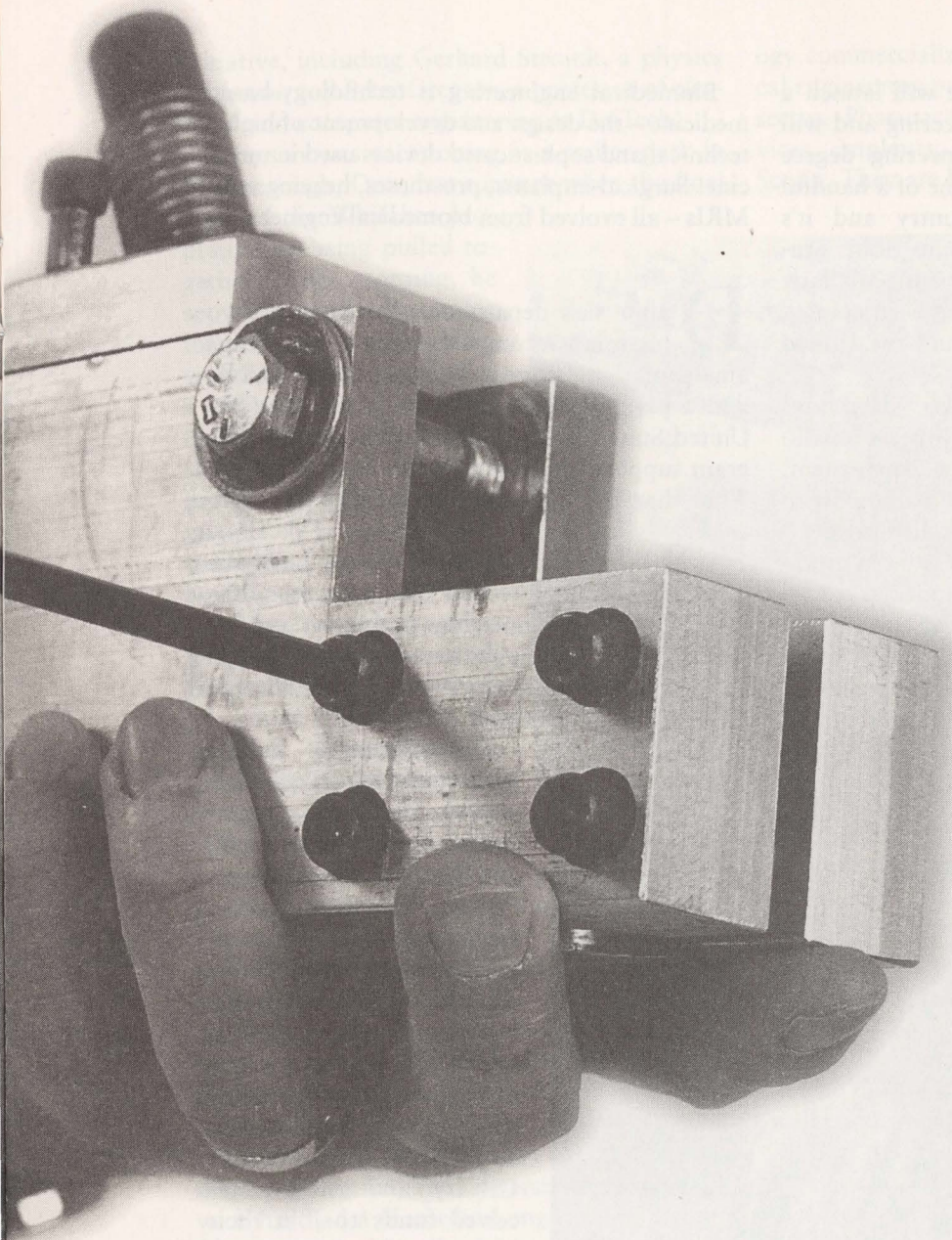
Women's track and field: Terri Baker led the Tigers to the AUAA championship. She won two individual gold medals and two team relay gold medals. Five Tigers competed at CIAUs.

*The
anatomy of*



*biomedical
engineering*

(Muir)



A prestigious
\$1.2 million
grant propels
Dalhousie to
the fore of
one of
Canada's
most rapidly
growing
biotechnology
sectors

by Joey Fitzpatrick

MOST PEOPLE CAN RELATE to biomedical engineering, literally if not figuratively.

Contact lenses, hip replacements, dentures, diaphragms, catheters, CAT scans, heart-lung machines, ECGs, dialysis systems, skin replacements, heart valves. If you're not intimately familiar with one of these products of biomedical engineering, chances are you know someone who is.

Dalhousie is quickly becoming a leader in biomedical engineering, carrying the field to a new creative and economic plateau in Atlantic Canada.



Beginning this fall, Dalhousie will launch a department of biomedical engineering and will offer the first biomedical engineering degree program east of Montreal. It is one of a handful of such programs in the country and it's drawing attention from around the globe. Students from as far away as Italy and Germany are expressing interest. Calls have been coming from various parts of Canada and the United States.

"We field two to three calls every day," says Dr. Michael Lee, the dentistry professor who spearheaded the drive for the department. "We've actually had to develop a mailing list to send information to students. Biomedical engineering programs, wherever they've been established, have been big draws for students."

As important as the biomedical engineering department will be to Dalhousie, its impact on the provincial economy will be no less significant. *The Globe and Mail* recently reported that

Biomedical engineering is technology-based medicine – the design and development of highly technical and sophisticated devices used in medicine. Surgical implants, prostheses, hearing aids, MRIs – all evolved from biomedical engineering.

Dalhousie's department was born of two historic accomplishments: last year's amalgamation between Dalhousie and TUNS, and a prestigious \$1.2 million grant from the United States-based Whitaker Foundation. The grant supports the new program for three years. After that, it's to become financially self-sufficient.

U.A. Whitaker was an American businessman, engineer and inventor who understood the importance of engineering in biomedical research. Since his foundation was established in 1975, it has awarded more than \$200 million to colleges and universities.

But Whitaker dollars don't come easy – Dalhousie was one of only seven successful applicants in 1997, and the only Canadian recipient. The grant places Dal among a select group of outstanding universities, including Duke, Pennsylvania State and Purdue. Only one other Whitaker grant has ever gone to a Canadian educational program when, in 1996, the universities of Calgary and Alberta received funds to join their biomedical engineering efforts.

In Halifax, it was last year's union between Dalhousie and TUNS that offered the perfect opportunity to strengthen biomedical engineering at Dal.

"There was already a great deal of biomedical research going on here, most of it at Dalhousie, and some at TUNS," says Lee. "I realized the amalgamation was a pivotal point in the university's development. Engineering was now going to be under the same institutional umbrella as medicine, dentistry and other health professions. A little light bulb went off over my head."

Several people contributed to the Whitaker



(ABRIEL)

Dr. Michael Lee: the potential for biomedical engineering became obvious when Dalhousie and TUNS amalgamated. "A light bulb went off in my head"

biomedical engineering is attracting venture capital at a faster rate than any other sector in Canada. The reason is simple: demographics. The baby boomers – the largest single population chunk in our society – are moving into that stage of life when they are beginning to need all sorts of medical devices.

It's not surprising, then, that Dalhousie's new program is generating much excitement.

initiative, including Gerhard Stroink, a physics professor, and Peter Gregson, a professor of electrical and computer engineering at DalTech.

Gregson was vacationing at a trailer park in Peterborough, Ont., last summer when the final draft of the Whitaker proposal was being pulled together. Every morning, he set aside a few hours for long-distance brainstorming with Lee and Stroink.

"We did it by fax machine and cell phone, firing stuff back and forth over a period of four days. We completely rewrote the proposal that way," Gregson recalls.

They came up with a proposal that emphasized long-term viability and collaborative effort within the faculties of management, dentistry, medicine, engineering and science. Eight new students will enter the program annually, levelling at 24. In addition to master's and doctoral programs, about 12 new elective courses will be offered to undergraduates.

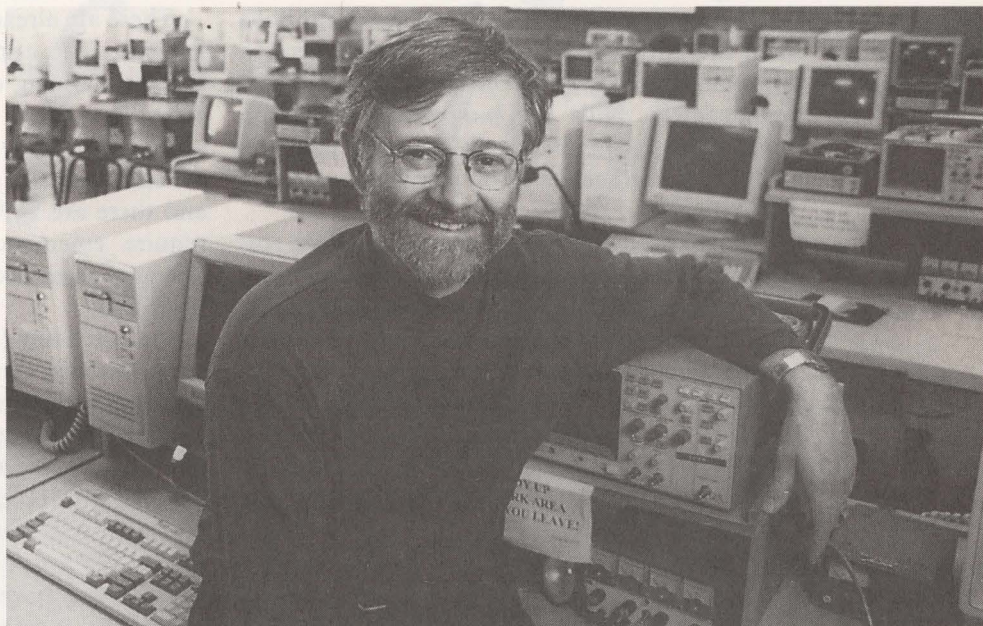
"Students in chemical, mechanical and electrical engineering will be able to get training in biomedical engineering as part of their program," says Lee.

The program also links with another post-secondary institution. The University of New Brunswick has had a biomedical engineering institute for more than 30 years. It has a strong research record – especially in powered prosthetic devices – but does not have a degree program. Lee wants to develop a course exchange program with the New Brunswick school.

"For example, UNB will offer a course on biological signal processing and controls, which they use for their powered electrical prostheses, to our students. It's something they can do better than we could. And we'll offer a course in biomaterials and implant design back to them."

Dal's new department is not just exciting the campus; it's also welcome news for the province. InNOVAcorp, Nova Scotia's technol-

ogy commercialization initiative, cites biomedical engineering products as part of a key growth sector. Pharmaceuticals, medical assistive devices, implants, etc., are naturals for Nova Scotia. They are high value-added products that



Peter Gregson: part of the team that developed a proposal that promises long-term viability and collaborative effort

don't require the manufacturer be close to its markets, nor its source of raw materials. The real capital is intellectual. Biomedical engineering requires highly trained employees.

The entire Atlantic region will benefit from well-trained new employees entering the biomedical industry, says Bill Mills, a development officer with InNOVAcorp. With a pool of graduates and professional researchers at Dal, existing companies may want to open production facilities in the region. What's more, a suite of small, highly specialized companies might develop out of the research at Dal.

"I would like to see the program designing products, acquiring patents, spinning off new technologies and new companies," Mills says. "We'd like to have students coming out of there with new ideas, who are ready to be entrepreneurial. We'll be there to help that happen."

Given how the program is designed, that's quite possible.

Most of Canada's industrial biomedical engineering takes place at small and medium-sized firms that employ from two to 50 people. In such situations, a biomedical engineer often ends up

(ABRIEL)

as chief-cook-and-bottle-washer, immersed in quality control, intellectual property issues, government regulations, human resources and financing. Statistics show a high percentage of master's and PhD graduates of biomedical engineering enter industrial settings.

Recognizing that reality, Dal's program links with the university's faculty of management to offer courses that focus on entrepreneurial and management skills for biomedical engineers. InNOVAcorp, with its strong links with industry, will help co-ordinate a co-op placement program for students.

"It makes sense to try to prepare graduate students for the culture that exists in industry," says Lee. "It's very different from academic engineering, and it's different from the kinds of clinical engineering that's done in hospitals."

Biomedical engineering is clearly big business but ultimately it's a human concern.



(ABRIEL)

Dr. Lee Kirby (MD'71): the new program will span the gap between rehabilitation expertise and engineering principles

Students with the right mix of medical and engineering skills should be ready to tackle some of medicine's most obstinate problems. How, for example, do you deliver a drug directly to a tumor site or an abscess? Can a severed spinal cord be rewired using silicon substrates?

There are already many examples of engineering principles applied to medical problems, including ongoing efforts to improve wheelchair safety.

Approximately 50 people in the United States die each year as a result of wheelchair accidents, and there are 36,000 injuries serious enough to require emergency hospital treatment. Two-thirds of these accidents occur when the wheelchair tips.

Dr. Lee Kirby (MD'71) is an expert in wheelchair stability and artificial limb design. He works at the Nova Scotia Rehabilitation Centre, teaches in Dalhousie's faculty of medicine and holds a cross-appointment in mechanical engineering at DalTech. As part of his work, his department has developed a wheelchair stability testing platform. The device is used by wheelchair manufacturers, test centres and researchers.

The platform grew out of collaboration between physicians and engineers. Physicians can only go so far in such endeavors before running into knowledge and skill limitations, says Kirby.

"We've been providing the rehabilitation expertise and the engineers have provided the engineering side but we've never had somebody who has a foot in both camps – a rehabilitation engineer," says Kirby. "The Whitaker grant should provide us with people who can span that gap effectively."

Dalhousie is already looking for three new faculty members: a rehabilitation specialist; an expert in advanced drug delivery; and a leader in tissue engineering, which involves the regrowth of tissues marred by nerve or burn damage.

The biomedical engineering department promises great potential and opportunity. With students from science, engineering and other undergraduate backgrounds, its programs will build connections with medical research and development already under way in the community.

"It should get the scientists closer to the clinicians," says Gerhard Stroink. "We have lots of interesting projects going on in the hospitals and lots of interesting projects going on at Dalhousie and DalTech. We have to bring those together."

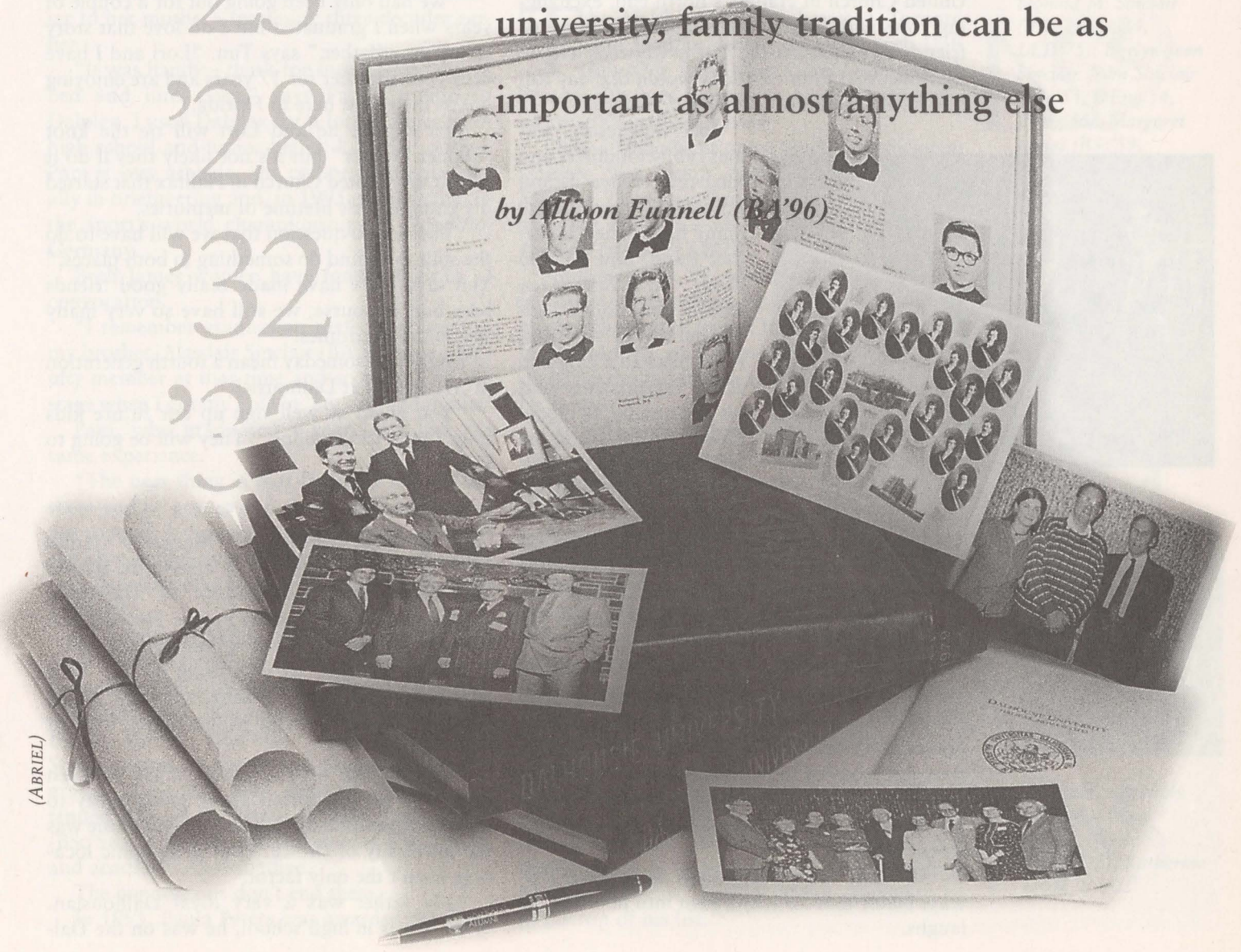
This fall, Dalhousie's new department of biomedical engineering will begin to do just that. ①

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All in the family

When it comes to choosing a university, family tradition can be as important as almost anything else

by Allison Funnell (BA'96)



(ABRIEL)

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HOW DO YOU SELECT A UNIVERSITY?

It may depend on the reputation of the school's professors, perhaps its athletic program, course offerings, maybe even geographic location. But sometimes, it's as simple as family tradition.

Family tradition influences the decision of many students who attend Dalhousie. There is no way to track every member of every multi-generational Dalhousie family but with more than 70,000 living alumni and some sleuthing, they're not hard to find.

May 1929. The eve of the Great Depression. Rand Matheson (BCom'29) should be dancing the night away at his university graduation ball. Instead, Matheson, 22, is standing at the altar of a small United Church in Halifax's north end, exchanging vows with Sydney native and long-time girlfriend, Louise Morrison. The newlyweds had no idea then that their two sons would one day follow in their father's Dalhousie footsteps.

Joel Matheson, former cabinet minister and long-time Nova Scotia politician, remembers many times when his father Rand, now 91 and living in Vancouver, would rave about Dalhousie. As an alumnus, Rand has had a long and active relationship with his alma mater. In recognition of his work, he was honored by the university in 1997 with an

Tim Matheson (BCom'83), like his grandfather and father, also found his way to Dalhousie. And again, like his father, he was athletic. For Tim, now an assistant driller with the oil rig Rowan Gorilla II, wrestling was the sport of choice.

"I wrestled for Dalhousie for four years. I am very proud of my Dalhousie 'D' that every athlete receives after three years of participating in a varsity sport," says Tim, who splits his time between Halifax and his home in Florida.

By the time of his own convocation, Tim had heard the story of his grandfather's graduation night elopement many times. Tim was dating Lori Rafter (BCom'84, MBA'86) when he graduated, but he was not quite ready to walk in his grandfather's footsteps in matters of the heart.

"We had only been going out for a couple of years when I graduated but I do love that story of my grandfather," says Tim. "Lori and I have now been together for 17 years and are enjoying life to the fullest here in Florida."

Tim expects he and Lori will tie the knot "sooner or later" but it's not likely they'll do it in that tiny United Church in Halifax that started his grandfather's lifetime of memories.

"There is no question that we will have to do the split thing and do something in both places," Tim says. "We have made really good friends here but, of course, we still have so very many ties to the Maritimes."

Might that someday mean a fourth generation of Mathesons at Dalhousie?

"You might as well sign up our future kids now," says Tim, smiling. "They will be going to Dal."

Halifax professor, Margaret James (BSc'59, PhD'86), is among the second of three generations of Dalhousie graduates from the Sinclair family. Her decision to study at Dal was anything but complicated.

It was just the "natural thing to do," says Margaret, associate professor and chair of the chemistry department at Mount Saint Vincent University.

"I guess that with a family of six children there was no suggestion about going away to university, we lived in Halifax and Dalhousie was the university of choice." But geographic location wasn't the only factor.

"My father was a very loyal Dalhousian. When I was in high school, he was on the Dal-



Three generations and counting (l.-r.): Tim (BCom'83), Joel (BCom'52, LLB'54), Rand (BCom'29) and David (BCom'58, LLB'61) Matheson

Outstanding Alumnus Award. "Dad spoke extremely highly of Dal and his time there," says Joel (BCom'52, LLB'54). "He spoke about the many friends that he made and the excellent education that he obtained. He motivated me."

That motivation led Joel to many activities during his students days, including intercollegiate boxing – until the sport was banned because of potential for head injuries (in those days, boxers were not required to wear helmets). Joel jokingly wonders whether the boxing experience, and a few blows to the head, might have influenced his career decision.

"We didn't have such things as helmets, I always blame that for why I went into politics," he laughs.

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housie board of governors as an alumni representative. He also received an honorary degree in 1975.”

Like her dad, Rev. Donald M. Sinclair (BA’21, MA’24, LLD’75), Margaret was very involved with her university outside the classroom. She played intercollegiate field hockey, basketball and volleyball. Decades later, she wonders how she ever made it through university playing so many sports while completing an honors degree in chemistry.

“I wasn’t a first-class student but I was obviously capable and I came back many years later and did a PhD. But (as an undergraduate), I considered sports very important.”

Coincidentally, when Margaret returned to Dal for her PhD in the late ‘80s, her daughter, Pam James (BA’87), was also a student. Pam’s decision to attend Dalhousie sounds oddly familiar to her mother’s reasoning three decades earlier.

“It was handy – that’s for sure. I rolled out of bed and into class,” says Pam. “I enjoyed Dalplex. I used Dalplex for a long time, even in high school and junior high.” Like her mother, Pam is very athletic. She competes internationally in orienteering and, in 1995, participated in the sport’s world championships in Detmold, Germany.

Both James women have fond memories of convocation.

“I remember graduation really well because my brother, Alasdair Sinclair (BA’56), was a faculty member at that time and so he was on the stage when I got my PhD in ‘86,” says Margaret.

Pam, who graduated a year later, had the same experience.

“The neat thing is that Uncle Al was on the stage and he got up and shook my hand after I got capped. I thought that was really special,” she says. At the time, Alasdair Sinclair was vice-president (academic), a position he held from 1983-88.

The Sinclair-Dalhousie family tree spreads even wider. Three of Margaret’s siblings – Donald (BA’68, MA’71), John (BSc’54, DEng’54, BEng’56) and Margaret’s twin sister, Janet Hartry (BA’59, BEd’60) – hold Dal degrees. Some spouses, and sons and daughters, are also grads. Margaret’s son, Edward (BSc’92), attended Dal; so did Edward’s wife, Paula Peters (BSc’96), a well-recognized former Dal athlete and academic All-Canadian.

The connections don’t end there.

In 1995, Paula Peters was awarded the Class



of ‘55 trophy for female athlete of the year. Thirty-six years earlier, in 1959, the identical honor was bestowed on her husband’s aunt, Janet Hartry. She, you remember, is Margaret James’s twin sister.

The Hebbs, scattered between Toronto and Halifax, began their ties with Dalhousie in 1896 when Clara Olding Hebb became the third woman to graduate from the university’s medical school.

Olding Hebb went on to practise medicine in Chester, N.S., with Arthur Hebb (BA1899, MD’02). The two married in the early 1900s and had four children – all went to Dal, including Andrew (BA’25, LLB’28).

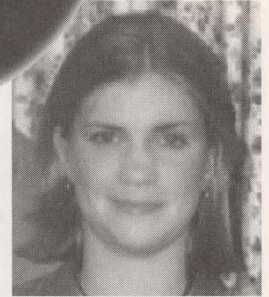
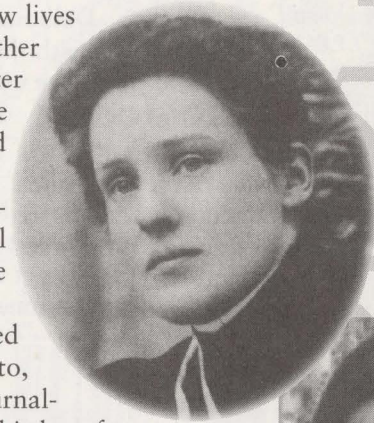
Andrew Hebb, 92, who now lives in Toronto, remembers his father moving the family from Chester to Dartmouth, so it would be easier for the children to attend Dalhousie.

“It just came naturally because my parents went to Dal and I never heard anything else suggested.”

Andrew eventually moved his own family to Toronto, where he built a career in journalism and, later, insurance. But his love for Dal never faded. He told his children – in no uncertain terms – that if a professional degree was in their futures, they had better choose the right school. Dalhousie was Hebb’s definition of “right.” The advice wasn’t lost on Hebb’s three children.

“I came (to Halifax) for law school. When I told my parents that I wanted to go into law school, my father told me that was fine but I had better go to a good school,” says Kathleen Marrie (LLB’70). “And Dalhousie seemed to be at the top of his list.”

For the Sinclairs, Dal was “the natural thing to do” l.-r.: Alasdair Sinclair (BA’56), Carol Sinclair (BSc’56), Janet Hartry (BA’59, BEd’60), Mary Sinclair, Donald M. Sinclair (BA’21, MA’24, LLD’75), Evelyn-Jean Sinclair, John Sinclair (BSc’54, DEng’54, BEng’56), Margaret James (BSc’59, PhD’86), Richard James (MBA’75)



100 years of family tradition: Clara Olding Hebb (MD1896), Katherine Hebb (BA’02)

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The McInnes family calls Dal its own: Donald (BA'24, LLB'26, LLD'80), seated; Stuart (BA'58, LLB'61), standing left; and, Hector (BA'54, LLB'56). Pictured in the photo is grandfather, Hector (LLB 1888)



Andrew Hebb's words influenced another generation that includes Kathleen's daughter, Megan Marrie (BCom'01).

"I could just sit down for an afternoon with my grandfather and listen as he talked endlessly about Dalhousie," she says. "He has really fond memories about Dal and, more particularly, his time as editor of *The Gazette*."

Megan's older sister, Ruth Ann (BSc'92, MD'96), also attended Dal. Coincidentally, she graduated from medical school exactly 100 years after her great-grandmother, Clara Olding Hebb.

Naturally, Kathleen Marrie and her husband, Dr. Thomas Marrie (MD'70), were proud parents at Ruth Ann's graduation in 1996. But another relative was even prouder.

"The person to whom the hundred years meant the most was my father, actually, because it was his mother who had graduated from the medical school in 1896," says Kathleen.

But not every Hebb is aware of the family's Dalhousie longevity.

"I just knew that my dad, Larry Hebb (LLB'62), and my grandfather, Andrew Hebb, had attended Dalhousie because they talked a lot about their Dal experiences," says Katherine Hebb (BA'02), a first-year arts student.

Though she may not realize the extent of her family's Dalhousie bonds, when Katherine graduates with the class of 2002, she will carry the Hebb name into a second century of Dalhousie graduates.

Halifax's McInnes family bears not only a strong philosophical connection with Dal but a physical one, as well.

Hector McInnes (LLB1888) was the first of four generations of McInnes men to study at Dalhousie. An enthusiastic Dal supporter throughout his life, McInnes was a member of the university's board of governors from 1892 to 1937, and served as board chair for 40 years. His affiliation with Dal-

housie was such that McInnes was asked to lay the corner stone of the Studley Gymnasium when it was built in 1931. And, as directed in a bequest from his son, Donald (BA'24, LLB'26, LLD'80), the McInnes Room in the Student Union Building, a familiar venue to all Dalhousians, was

named in honor of Hector, who died in 1937, and his wife, Charlotte (BA1887). She happens to have been Dalhousie's second female graduate.

Donald McInnes died in 1993 but, in the decades before his death, he was, like his father, a member of the board of governors and its chair from 1958 to 1980. During a 65-year career, he excelled in law, business, finance and the public service. In 1980, Dalhousie awarded him an honorary degree.

Following in the footsteps of family before them, Donald's children, Roderick (BSc'65, MD'70), Ann (BA'72), Hector (BA'54, LLB'56) and Stewart (BA'58, LLB'61) are also Dal grads.

Stewart was on the board of governors from 1978 to 1984. He has been a leader in many Dal fund-raising initiatives and is chair of the 1818 Society. Like the rest of his family, his dedication to Dal has never waned.

"We are very proud of our affiliation. We call Dalhousie *our* university. We don't even think about it, it is just automatic. I never thought for four seconds about going away. It was always the place that I wanted to go from the time I was knee-high to a grasshopper."

The McInnes's Dal thread now spans the country. Stewart's son, Donald (BA'88) – president of three junior mineral exploration companies in Vancouver – is among the latest McInnes generation that calls Dalhousie its alma mater. Stewart remembers his son's graduation warmly.

"There was a real sense of pride when Donald graduated: another generation – the fourth generation – had gone through," says Stewart.

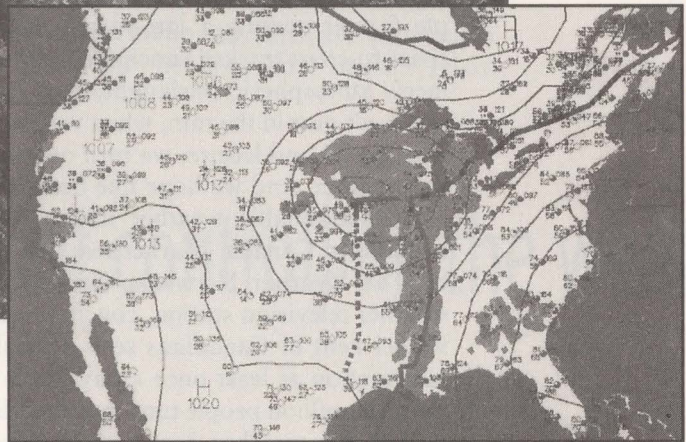
And so, once again, the Dalhousie family tradition continues. **D**

*Wanted:
families with grads
– plenty of them*

Are you the proud owner of the fifth Dalhousie degree bestowed upon a member of your family? The eighth degree? The 12th?

If your family boasts a number of graduates from Dalhousie, we want to hear about you. Write us at Dalhousie Alumni Affairs, Dalhousie University, Halifax, NS, B3H 3J5.

Hot, hot, hot on *weather*



At the country's only all-weather television station, three Dalhousie graduates are influencing the daily lives of Canadians

by Jennifer Beale

When it comes to weather, we know what we love.

We love to talk about weather. We love to read about it. We love trying to understand it. Weather, in fact, may be our greatest personal passion, given that the 1998 Canadian Weather Trivia Calendar reports the Internet now boasts more weather-related websites than sex-related sites.

It's not that Canadians don't find things as hot in bed as we do outdoors.

It's just that we endure such extremes, with temperatures ranging from a numbing record low of -63 C in Snag, Yukon, to a blistering sum-



“We’re producing a lot more fore

mer high of 45 C in Yellow Grass and Midale, Sask., that our weather can sometimes be all-consuming.

It’s not only the temperatures. Consider the furious ice storm that assaulted Quebec and Ontario last winter, killing 25 people and leaving millions without electricity for weeks. And, in January, parts of Nova Scotia were blasted by the worst flooding in 25 years. Then there’s that El Niño enigma. Little wonder we feel vulnerable about weather.

Odd and unusual weather, understandably, baffles us. But even our daily lives are shaped, sometimes determined, by weather and its seemingly unpredictable patterns. Whether it’s an apple farmer cursing a late-spring hail storm, a coast-to-coast trucker anticipating the next province’s atmospheric onslaught, or a golfer who just can’t putt in the rain, when we plan for business, travel and leisure, we turn our attention to the weather. And we hope like heck it’s reliable.

Selling reliable weather information is big business in Canada. Market research conducted by The Weather Network, Canada’s only all-weather television station, concludes that nearly 90 per cent of Canadians seek official weather information at least once a day. Each week, almost six million people tune into the Mississauga station for weather forecasts and trivia. The Weather Network sells forecasts to weather-dependent businesses and more than 50 daily newspapers across the country. There are a handful of professionals at The Weather Network whose forecasts shape a nation’s work and leisure decisions. Among those influential insiders are three Dalhousie graduates.

Lloyd Butler (BSc’88, DMet’89), Chris Murphy (BSc’96, DMet’97) and Phil Rogers (BSc’84, DMet’85) are in the thick of Canadian weather systems at The Weather Network. All three are graduates of Dalhousie’s little-known diploma in meteorology program – an eight-month course of study that accepts only five to 15 students, every other year. The only program

of its kind in Atlantic Canada, the diploma has been offered at Dal since 1982. Since then, 73 students have earned the meteorology distinction. Many hold science degrees before entering meteorology studies and, for some, the diploma offers a transition from the undergraduate world to the “real world,” says Owen Hertzman, former program co-ordinator.

For Rogers, 36, Dal’s meteorology training laid the groundwork for a career that has led him to a revolutionary development in the accuracy of weather forecasting. A small, quiet man with sandy-brown hair, Rogers sits comfortably behind an L-shaped desk on the 16th floor – the top storey – of a modern office building. He faces a television set tuned to The Weather Network. Little else here suggests his professional expertise, except a water-filled glass globe. When shaken, its water swirls into a tornado-like funnel.

The conspicuous absence of weather-related paraphernalia is deceiving. Rogers is, in fact, fully tuned-in to modern meteorology. As Director of Meteorological Development and Operations at The Weather Network, he spent the past year developing the Pelmorex Forecast Engine (PFE), a super computer program that can deliver 1,000 times more Canadian weather forecasts than were previously available. The new program will make it possible to provide far more forecasts, for far more areas of the country, than ever before possible.

With the PFE, Rogers says, five to 10 meteorologists can produce weather forecasts for as many as 180,000 specific locations in Canada. Until now, regional forecasts were given for every 60 to 100 km. In total, there were usually about 175 such forecasts for various geographic regions across the country.

What this means, Rogers says, is that a huge, sprawling city like Toronto used to get only about two forecasts for the entire urban area. But the PFE produces specific forecasts on a much tighter 10 km grid. Toronto can now get about

casts

15 individual forecasts for individual regions. Theoretically, Rogers says, The Weather Network can now produce weather forecasts on a 10 km grid around the world.

The PFE will be welcome news for weather-dependent industries such as farming, mining and forestry. Farmers in Nova Scotia's Annapolis Valley, for instance,

now receive one weather forecast for the entire valley. But the valley stretches 160 km, from Windsor to Annapolis. Farmland along parts of the South and North Mountain regions is at much higher elevations than fields and pastures in the valley. Thus, weather conditions can vary considerably. The PFE forecasts, based on a 10 km grid, mean there can be at least 16 local weather forecasts for the Valley region.

Essentially, the PFE is two software programs in one. It crunches scientific and numerical data and turns it into a computer graphic – the kind we see in newspapers – that resembles a weather map of North America. From there, meteorologists can determine whether the image needs to be localized further.

“The meteorologists look at what the machine did and decide whether it’s okay,” says Rogers. “If the machine created a sea breeze along a shoreline but the meteorologist thinks it should be stronger, he can change hundreds of forecasts just by clicking and dragging the mouse. We can do more with fewer meteorologists and still produce high resolution forecasts.”

In other words, at The Weather Network, as in so many workplaces, computers are increasingly doing work traditionally done by meteorologists. But that doesn’t necessarily mean meteorologists will be left singing in the rain.

Because the PFE frees meteorologists of the tedious process of analyzing data, they now have more time to assess tricky weather areas – like valleys and mountainsides – and keep a closer watch as storms develop. People will receive better, more accurate weather forecasts and, thus, be better prepared for dangerous or difficult weather conditions.

Though Rogers’s work may have the most direct impact, he is not the only Dalhousie graduate at The Weather Network who is influencing the lives of Canadians.

Down the hall, in an open-concept room with a stunning southern view of Mississauga and Lake Ontario, Chris Murphy is preparing weather forecasts. Murphy, 28, interned at The Weather Network after graduating from Dal last year. Within the first two weeks of the internship, he was forecasting weather. That accomplishment is something almost unheard of in the industry. Most aspiring meteorologists take at least a year before moving up to forecasting.

“It was a massive learning curve,” Murphy says, “but it was amazing training and a great opportunity to get my foot in the door.”

Another Dalhousian, Lloyd Butler, has been at The Weather Network since the early ‘90s. He exemplifies the changes that are occurring in weather forecasting as computers increasingly take on tasks traditionally done by people. Butler, 31, was a meteorologist for seven years but now serves as Product and Systems Development Specialist. In other words, he creates products – things like weather maps for newspapers – and the computer software to support them. The work he does now doesn’t relate

but we’re still not controlling the weather.”

much to the training he received at Dalhousie. But, Butler says, the meteorology background still helps him build the best possible products for clients.

Given all the changes, what’s the forecast for forecasting?

Rogers says he will continue to work on improving the precision of forecasts. He predicts that, within five years, meteorologists will be able to forecast even more exactly, on three to five km grids.

“In some cases it will help a lot but it’s not going to change the (weather) situation,” he says. “We’re producing a lot more forecasts for a given area but,” he adds with a smile, “we’re still not controlling the weather.”

“State-of-the-art” building project represents mini-boom

If the early to mid-1900s were known as “The Age of the Building” for Dalhousie, the end of the century may be somewhat of a renaissance.

From 1920 until the mid-’50s, new buildings – including the University Club, the Dunn Building and Shirreff Hall – popped up all over what are now Studley and Carleton campuses. In the late 1990s, with three new building projects, Dalhousie is experiencing a mini-construction boom.

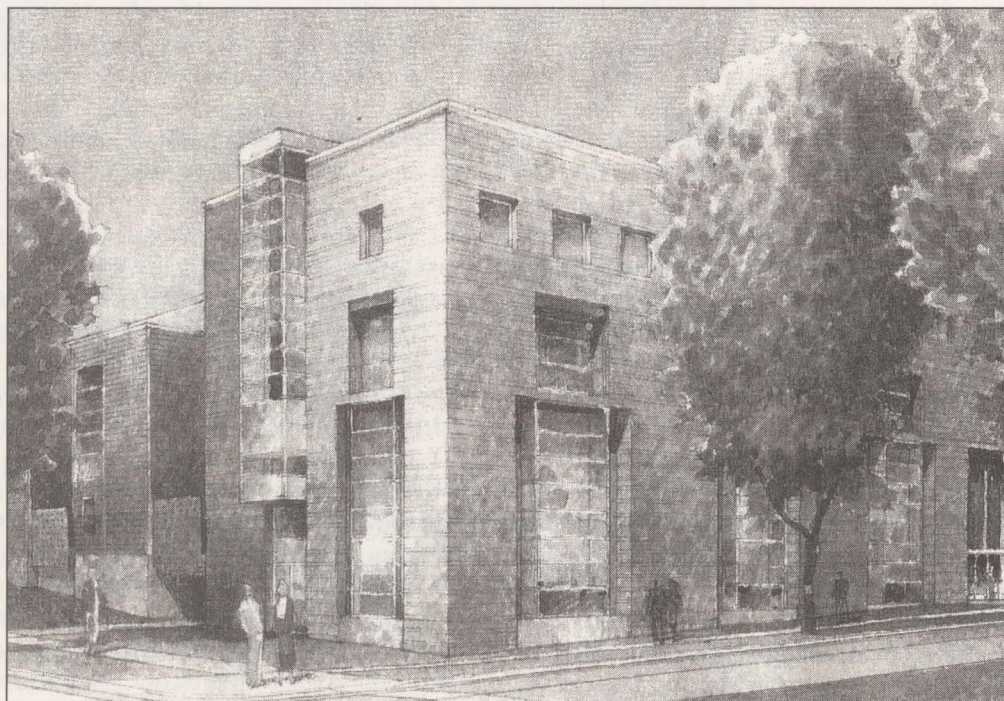
The most highly anticipated new building will accommodate the majority of departments in the faculty of arts and social sciences. Most departments within that faculty are now squeezed into houses scattered around Studley campus. Replacing the aging buildings was a controversial decision, one that the architects in charge of the project did not take lightly.

“People are very reluctant to leave those nice, old houses because they’re quirky and individual with natural light and access to the outdoors,” says architectural team leader Jack Diamond.

But the houses are plagued with problems. They have been in use for more than 20 years and are expensive to maintain. Many are not fully accessible to persons with disabilities. Plus, says Diamond, “what’s missing in individual houses is collectivity – connection between people” – within the faculty.

Architects have designed a new building that will retain the cozy, inviting feel of the houses, while being fully accessible and more energy efficient. Conceptual plans suggest architects will create “a state-of-the-art teaching and public space for Dalhousie and the community,” says Jim Cowan (BA’62, LLB’65), chair of the building steering committee.

Scheduled to open in the fall of 2000, the new building will be constructed on what is now the Rebecca Cohn parking lot, across from the Student Union Building. It will include an underground parking lot.



The exterior will feature large sandstone blocks along the University Avenue portion, with cedar shingles along the sides, in keeping with the look of nearby residential areas.

Inside, there will be a 500-seat auditorium, a 300-seat lecture hall, 24 seminar rooms, a language lab, offices and student study space. The building will surround a large, open, park-like courtyard.

The \$16-million project is partially funded by the provincial government, which has committed \$6 million toward construction costs. Dalhousie’s Capital Ideas Campaign will match that amount through fund-raising, which will include \$1 million committed by the student body. “The project has been our number one priority since day one,” says campaign director Bill Straitton. The board of governors has approved an innovative revenue-generating plan that will raise the remaining \$4 million.

Plans are also under way for two other construction projects to be completed by late 1999. The faculty of computer science, now located in rental space near the Halifax waterfront, is to move into a new building on Studley Campus. Another project will see renovations to a heritage building on Sexton Campus, and construction of a classroom complex linking that structure with another on campus. The two buildings will house DalTech’s industrial engineering and continuing education departments. ①

Out and about in . . .



SYDNEY

Visiting with the Sydney, N.S., chapter: (l.-r.) Lynne Sheridan, director of alumni affairs, Harvey Webber (LLB'36), Dale Godsoe, vice-president (external), Al Pace (BCom'60), Norman Carmichael (BA'59, BEd'60), Anne Weaver (BA'74K) and Brendon Yazer (BA'68) (MERCHANT)



MONTREAL



BERMUDA



BOSTON



President's Message

Recently, I had the opportunity to learn about the success of one of Canada's first government subsidy-free degree programs. The program, an MBA in science and technology at Queen's University, was established in 1996. It has created a high quality, revenue generating product for the university and its students.

Dal has also recognized this "business" opportunity and, in 1996, initiated the MBA program in financial services. This program, a partnership between Dal and the Institute of Canadian Bankers, provides graduates from

its professional banking program credits toward the MBA program at Dal. One hundred and fifty students from across Canada, the United States and other countries are participating through distance education and periodic on-site intensive training.

This approach provides significant value to the student. It offers convenience and accessibility to a university with an excellent reputation, and a strategic combination of *technical* and *applied* knowledge and skills. It is so highly valued that the "customer" is willing to pay three times the fees of the typical MBA program, a factor that lets the program recover its full costs.

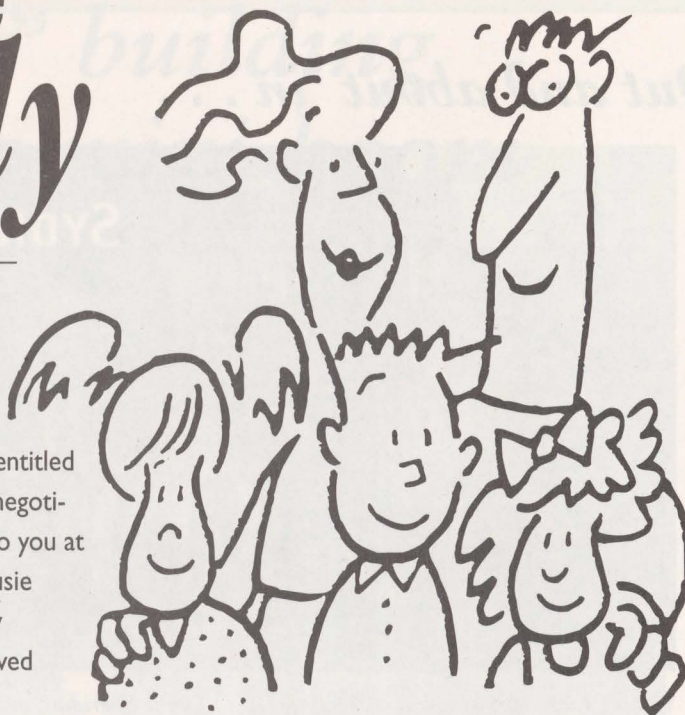
A critical success factor for the future of educational institutions is the ability to leverage their strengths to proactively and strategically identify opportunities that will deliver a value-added product and meet customer needs. In doing so, universities will also begin to address the challenge of shrinking public funding by generating alternative sources of revenue through innovative programming. Hats off to Dal!

Marie Mullally, President
Alumni Association

Because we're family

As alumni of Dalhousie University, you are part of a proud — and growing — family of more than 70,000 graduates. Unlike your immediate family members, we can't promise to always remember your birthday or share Sunday dinner, but we do offer special products and services designed just for you.

As a member of the Dalhousie Alumni Association, you are entitled to many benefits, including many top quality services that we have negotiated on your behalf. We are proud to endorse and present these to you at substantial savings. When you sign up for these services, the Dalhousie Alumni Association also benefits. Your participation with our affinity partners helps the alumni association to serve you and offer improved programming and benefits.



We help you. You help us. It's the family way!

Don't hide your degree, show it off

A TEMPO frame lets you display your degree proudly. Frames are available in wood or gold. They feature double matting and are emblazoned with the university crest. Phone or call, and we'll help you display your accomplishment.

Take credit with Bank of Montreal MasterCard

The Bank of Montreal Affinity MasterCard is the official credit card of the Dalhousie Alumni Association. A percentage of every purchase made with the card is donated to Dalhousie. AIRMILES and FirstHome cards are also available. Bank of Montreal MasterCard is accepted at more than 13 million locations worldwide.

Keep fit, keep active at Dalplex

Because of your alumni status, you are entitled to preferred rates for Dalplex membership. For more information, call the Dalplex at 494-3372.

Meloche-Monnex peace of mind

Meloche-Monnex offers a special package of automobile, home, travel and small business insurance just for you. The company also offers a home office insurance package. Meloche-Monnex is a leader in insurance programs dedicated to professionals and university alumni. For information, call (902) 420-1112 or 1-800-268-8955.

Ensure you're insured with Manulife Financial

Our special arrangement with Manulife Financial offers you preferred rates for term life, family term life, income protection and personal accident insurance. For information, call (416) 229-3000 or 1-800-668-0195.

Join the gang, be part of a chapter

Across the country and around the world, Dalhousie graduates are actively involved in alumni chapters. Chapters provide great opportunities to network, socialize and build contacts with fellow alumni. If you would like to form one or join one, call the Alumni Affairs Office.

In the know, on the go, stay informed

As a graduate of Dalhousie, you receive the alumni magazine free-of-charge. As well, alumni are invited to take part in travel programs that are arranged by the Alumni Affairs Office specifically for Dalhousie graduates. Call for more information.

For more information on these products and services, please contact:



Alumni Affairs Office
Dalhousie University
Halifax, Nova Scotia

Phone: (902) 494-2071
Fax: (902) 494-1141
E-mail: alumni.affairs@dal.ca

Alumni affairs grows with the times

Dalhousie, like every other university, is experiencing more pressure than at any time in the history of Canadian higher education. And it's coming from all directions. Technology, funding, student diversity, accessibility, competition and rationalization are only some of the issues we are addressing. The new generation of alumni is very different from the men and women who graduated earlier. How do we embrace all alumni and ensure all of you have a relationship with Dalhousie that reflects your needs and values? Not only will universities change, our relationship with our alumni will change, too. We need you to participate in this change process.

Economic pressures have led to larger class size, higher tuition and greater debt loads for young alumni. As a result, one of Canada's fundamental values – accessibility to university for all – is being questioned. Other changes, including the technological revolution, are causing us to re-examine traditional models of teaching. We now have the opportunity to teach people in traditional classrooms here in Halifax and, as well, to deliver sophisticated programs through distance education in Yellowknife or Sydney. Information once available only on book shelves in quiet libraries is now immediately accessible through software programs and the World Wide Web.

But external pressures are not the sole factor affecting how we deal with our alumni. Students are changing, too.

Students used to be predominantly privileged young men who came to university directly from high school. Now, we have more women than men in many programs. They're from across Canada and around the world. They're all ages, too. University students were once quite predictable: finish high-school, attend university, get a job, fall in love, get married, have kids, lead successful and traditional lives. That

was the '50s and '60s stereotype. Today, the rules have changed. In fact, there are no rules. We have students who never finished high school, who apply to programs as older, "mature" applicants. Many attend part-time and may take 15 years to graduate. They come from all backgrounds and, appropriately, reflect the social and ethnic diversity that enriches our country's fabric and contributes greatly to intellectual processes at universities.

Letter from the Director

Lynne Sheridan,

Director of
Alumni Affairs



What does all this mean for you and Alumni Affairs at Dalhousie? We are about to find out.

Historically, alumni associations were largely social clubs where educated people interacted with one another. This worked when our alumni population was small and local; when

life was simpler and the pace slower. This isn't appropriate anymore. It's not what alumni want and it's not a wise use of university resources.

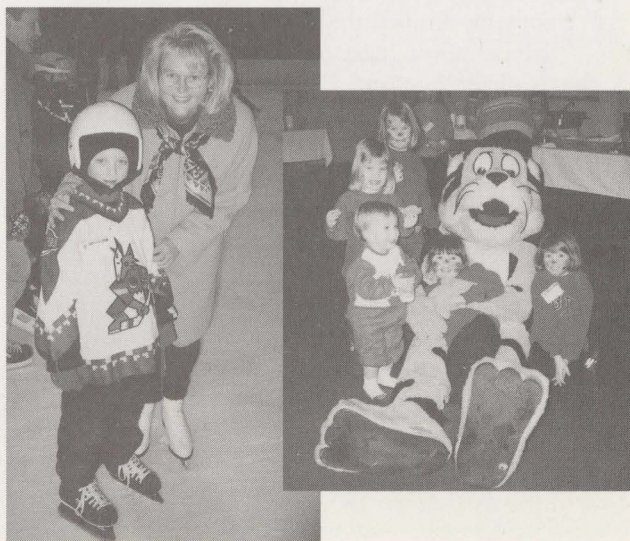
To better understand where we go now, we have begun a rigorous strategic review of Alumni Affairs and our relationships with graduates. A steering committee of outstanding alumni and institutional leaders is committed to completing this analysis. We are doing our research in advance of any change.

Already, we have interviewed over 500 alumni. Deans and directors are sharing information about the relationships they have, and want, with graduates. I have met with alumni directors at several universities across Canada. We will conduct focus groups and continually review existing programs. We will keep programs that work well and fix, or replace, those that don't.

At Dal, we want one of the best Alumni Affairs departments in the country. We think that's what you want, too. If you have suggestions, please share them with me. I can be reached at Dalhousie Alumni Affairs, Macdonald Building, Dalhousie University, Halifax, N.S. B3H 3J5. Phone (902) 494-2807. Fax: (902) 494-1141. E-mail: lynne.sheridan@dal.ca.

Fun, fun, fun at Chili on Ice

Alumni association president Marie Mullally shares a moment with nephew, Sean, 6. Other youngsters got in on the fun later, snuggling up to the Tigers' biggest fan. (GATES)



Got something to tell us?

Send your news to:
Class Notes Editor
 Alumni Office, Macdonald Building
 Dalhousie University
 Halifax, Nova Scotia B3H 3J5
 PHONE: (902) 494-6971
 1-800-565-9969
 FAX: (902) 494-6900
 E-MAIL: ALUMNLRECORDS@DAL.CA

Please include updated home and business addresses.

Deadline for submissions is July 3, 1998.

the board of governors of Acadia University in August 1996 for a six-year term.

1953

Alpin H. Allen, PhC, DPharm, sold his company, Springford Ltd., which operated Wardropes Pharmacy, Springhill, N.S., and Henley's Pharmacy, Oxford, N.S. He retired on Aug. 29, 1997, after 51 years in pharmacy.

1954

John H. Currie, LLB, a business consultant in Calgary, was recently appointed a member of the Order of Canada.

1960

John H. Hodgson, FSA, BA(K), retired from Cumis Life Insurance in Burlington, Ont.

1961

Richard Deering, BA, BEd'63, MA'68, re-

ceived an honorary degree from the University of Ottawa. In 1997 he retired after 33 years of teaching in Ottawa.

1965

Rodney Ives, BA(K), LTh'65(King's), an Anglican priest, was recently appointed archdeacon of Western Quebec and priest-in-charge in the parish of Eastern Ouatuais.

1969

Nancy (Van Buskirk) Fogarty, BA, transferred to Pembroke, Ont., as a reading recovery specialist with the Renfrew County Separate School Board.

Robert A. Stroud, QC, LLB, received an LLM from Dalhousie at the fall convocation.

1970

Peter McGuigan, BSc, of Halifax, is senior editor of *Street Feat*, a monthly newspaper in-

1950

Arthur Shears, MD, of Halifax, a retired professor of medicine and consultant in physical medicine and rehabilitation, was appointed to

Spotlight on Alumni

Meek music takes off

The year is 1987. Anxious boys and girls at St. Catherine's Elementary School in Halifax wait to choose a musical instrument to play in the school band. Colin Meek wants a violin. So does everyone else. The violin line stretches ahead of him. Meek glances at the cello line. It's far shorter. He thinks about it a minute, spots his twin sister there, and switches lines.

Eleven years later, Meek (BA'98) is happy he skipped the violin line.

"I have never regretted going to that shorter line and I have never once regretted learning to play the cello instead of the violin," he says.

Meek's cello skills flourished in the years that followed and last year, in his final year as a music student at Dalhousie, he was chosen to play with the Nova Scotia Symphony as part of Dalhousie's Symphony Apprenticeship program.

The apprenticeship, initiated by music department chair Walter Kemp, is the only such program in Canada. Each year, one fourth-year

bachelor of music student who demonstrates exceptional ability in an orchestral instrument is chosen to participate. The apprenticeship counts as a credit toward the student's degree.

"Colin was the obvious choice," says Kemp. "Colin is the best, he is a particularly outstanding orchestral instrument player."

Meek, 21, enjoys the symphony and says it's a great way to complete his degree. But being away from the pressures of classroom instruction certainly doesn't mean Meek is away from pressure. The symphony rehearses every Sunday. Musicians must then be at their best for a concert performance every Tuesday.

Meek is not sure what musical direction he will follow once he completes



Meek: scores with cello

(ABRIEL)

his apprenticeship. He graduated this spring and hopes to continue his musical studies in the U.S., working toward a master's degree. But Meek grew up in Halifax and he loves Nova Scotia.

"I would love to live here. But you have to go where the openings are and I am not sure that a job will be

here for me," he says. "I would really enjoy teaching in the university setting in any discipline, whether it's teaching to play the instrument from the applied standpoint or the theory. That seems to me to be the ideal job because universities are still an oasis for experimental and serious art, things that you might not be able to do in a commercial setting."

- Allison Funnell (BA'96)

tended to provide a voice for the poor. It is the first in Atlantic Canada.

1971

Louis Legendre, PhD, a professor at Laval University, was awarded the Prix Marie-Victorin, the highest award given by the Quebec government in the field of pure and applied sciences, in recognition of his accomplishments in the field of marine sciences.

1974

Elizabeth Bethune, BA, MBA'94(UNB), is managing the Canadian Forces Housing Agency in Halifax.

1975

Jim Balcom, BCom, DEngr'79, married Joyce A. Howlett, R.N., in Halifax on Apr. 19, 1997. They live in Halifax. Joyce is a nurse at the QEII Health Sciences Centre (CVICU) and Jim is manager of GEM Health Care Group Inc.

Peter A. Heathcote, BCom, LLB'78, MBA'79, PhD'97 (South Pacific) is regional maritime legal adviser with South Pacific Commission in Fiji. He, his wife and family have been living in the South Pacific since October 1993.

1976

Robert J. Retson, BA(K), and his wife, Carol, announce the birth of their son, Craig Scott, born Aug. 9, 1997, a brother for Colin. They live in Bedford, N.S.

1977

Paul Boudreau, BSc, BScHC'78, MSc'89, and his wife, **Pauline (Collins) Boudreau**, BCom '78, and two sons, Stephen and Benjamin, returned to Halifax from the Netherlands to resume his position with the Department of Fisheries and Oceans. While in the Netherlands he co-ordinated the scientific research for an international project studying the impact of global change in the world's coastal zone.

Kathleen (Groves) Moriarty, BEd, is teaching ESL/literacy at the junior high level to Innu students in Sheshatshit, Labrador. She and her husband are enjoying Labrador.

Nandish Yajnik, BSc, BScHC'78, and his wife, Sonal, announce the birth of their son, Niraj, born Nov. 7, 1997, a brother for Yash, 5. Nandish runs a computer consulting company, NYS Consulting Inc., in Aurora, Ont.

Spotlight on Alumni

History through a hurricane

If you have questions about hurricanes, ask a meteorologist. If you want to know about some hurricanes' illustrious histories, ask a . . . geophysicist?

In the case of Alan Ruffman (MSc'70), a geophysicist is just the person to ask. Ruffman's most recent discovery about an east coast hurricane may well put his own name, not just the name of the cyclone, in the history books.

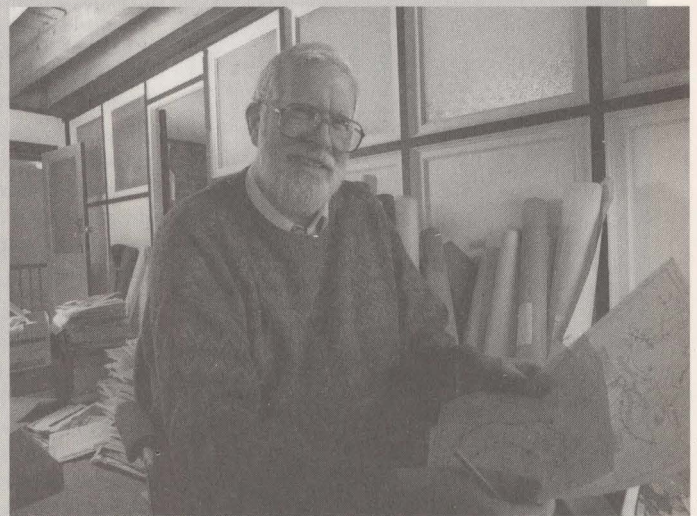
While researching a 1929 Newfoundland earthquake, Ruffman stumbled upon a newspaper reference to a similar event that occurred in 1775. He continued his historical search and discovered that the event wasn't an earthquake at all but, rather, a hurricane.

Ruffman began researching what he thought was "perhaps an unusual storm" because it arrived, completely unannounced, at Newfoundland's coast with a huge amount of energy. Most hurricanes lose their energy source when they leave the Gulf Stream and downgrade into tropical storms. But this particular 1775 hurricane may have caused the deaths of more than 4,000 people off the south coasts of Newfoundland and Saint-Pierre et Miquelon. That death toll would make the storm the worst disaster in Canadian history – an inauspicious title usually granted the 1917 Halifax explosion, when nearly 2,000 people died.

While the significance of a 200-year-old hurricane may not be im-

mediately apparent to some, Ruffman says there are some very real-life applications.

"That's the fascination. You can eventually understand the circumstances that allow a storm like this to maintain its energy, and arrive at the coast of Atlantic Canada as a much more dangerous storm," he says. "To look at long-term changes you have



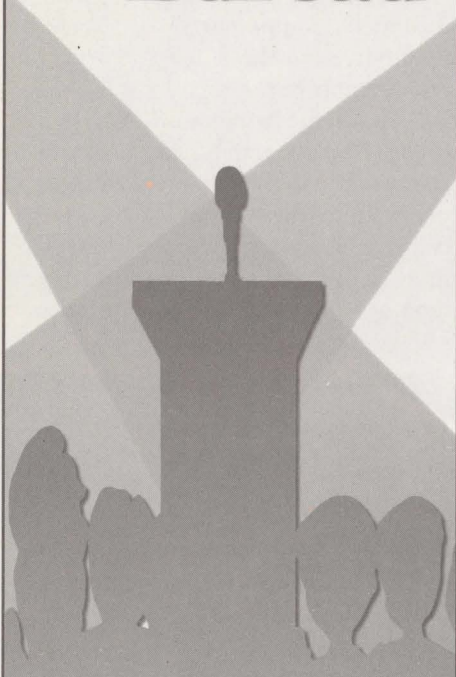
Ruffman: fascinated with hurricanes and their histories

to do the historical work so that you can identify this kind of thing developing, you can look at the weather map and see, 'My god, this is looking like a 1775 situation and we had better put the warning flags up as quickly as we can.'"

Ruffman conducted some of his research last fall at the American Antiquarian Society in Worcester, Mass., where he received a fellowship to comb through newspapers, ships' logs, personal diaries and sermons in the hope of finding any clues about the storm. He was the only person from a scientific and non-academic background – he runs a consulting company in downtown Halifax – who was selected to receive such an award in 1997-98.

- Katharine Dunn (BAHon'98)

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Corporation des sciences de la santé de l'Atlantique

Class Notes Class Notes Class Notes Class Note

1978

Helen (Petrites) Burns, BPE, is the division fitness and lifestyle adviser for Nova Scotia and Prince Edward Island with the Royal Canadian Mounted Police.

Marie (Kalbfleisch) MacDonald, BA, MBA'80, married Randy Slivocka on May 17, 1997. They live in New Glasgow, N.S.

1979

Jennifer (Shaw) Friesen, CA, BCom, and Ron Friesen, CA, announce the birth of their daughter, Victoria Marie, born Jan. 24, 1998, a sister for Charlie. Jennifer is in third year at the University of Toronto law school.

Gloria Harding, LLB, was appointed a judge of the Provincial Court of Newfoundland. She will sit in Gander.

Karen (MacKenzie) MacKinnon, MBA, is chair of the Management Studies Department at Grant MacEwan Community College in Edmonton. She is on sabbatical studying organizational change in post-secondary institutions in Canada, US and UK.

1980

Darrell L. Brown, BSc, BScHC'81, LLB'85, MBA'85, of Almaty, Kazakstan, assumed the role of chief of party of the Kz Pension Reform Project as well as continuing as the chief legal adviser. He invites classmates to contact him at imcckaz3@online.ru.

R. Timothy Patterson, BSc, BA(Hon)'83, PhD'86(UCLA), has been an associate professor of earth sciences at Carleton University since 1988. He and his wife, Elizabeth Anderson, and two children, Malcolm, 4, and Calder, 2, live in Ottawa. He invites friends to contact him at tpatters@ccs.carleton.ca.

1981

Andrew Beckett, CA, BCom, his wife, Wendy Connors-Beckett, and their three children, Kayleigh, Brian and Christian, live in Saint John, N.B. He is commissioner of finance and corporate services for the City of Saint John.

Andrew Grose, BCom, of Edmonton, is touring as a headliner for Yuk Yuks Comedy Kabaret. He recently established The Alberta Beef Comedy Co., a talent agency for new and established Western-based comedians.

Ann (Russell) Petropolis, BSc, BScHC'82, and Chris Petropolis, BSc, DDS'86, announce the birth of their fourth child, Alexandros Nicholas, born Jan. 20, 1998, a brother for Arielle, 5, Theodore, 3, Zachary, 16 months. They live in Bedford, N.S. Chris practises dentistry in both Halifax and Dartmouth.

Stephen A. Russell, LLB, and his wife, Nicola Caroline, announce the birth of their daughter, Julia Lynn, born Dec. 24, 1997, a sister for Laura Gillian, born Mar. 2, 1996. They live in Dartmouth where Stephen practises law with Russell Piggott Jones.

Lynn (Joyce) Wallace, BN, and Bill announce the birth of their first child, Samuel, born Mar. 20, 1997. Lynn is director of neuro/ortho/rehab nursing at the QEII Health Sciences Centre in Halifax. Bill is an energy consultant with Shell Canada.

1982

Cindy D. Campbell, BSc, BScHC'83, BN'87, MS'91(Boston College), Doctor of Nursing'97 (Case Western Reserve U), is an advanced practice psychiatric nurse in private practice in Sarasota, Fla. In July, she will present completed research at the Sigma Theta Tau International Nursing Research Congress in The Netherlands. Her husband, Scott Pryde, BCom'84, after many years in the accounting field, is pursuing a degree in education.

Nancy (Beaton) Florian, BA, BBA'93(UCCB), and Michael Florian, CPHI, announce the birth of their son, Jonathan Franklin Michael, born Feb. 21, 1997, a brother for Jacob, 9, Alexander, 7, Mary Michelle, 5, and Charlotte, 3. Nancy is a clinical therapist with Talbot House, a rehabilitation centre for chemically addicted males, and Michael is with the Department of Environment. They live in Leitches Creek, N.S.

E. Alan Kenney, BSc, DEng'84, BEng'85 (TUNS), MBA'94(Simon Fraser), and his wife, Heather Sirlin, BCom'83(UBC), announce the birth of their first child, a daughter, Leah Anne, born Dec. 31, 1997. Alan is sales and marketing manager of Specialty Marine Products Ltd. in West Vancouver.

Ann M. Mollon, BSc, and her husband, Alexander Chichagov, announce the birth of their daughter, Sabrina Alexandra, born Sept. 5, 1997, a sister for Daniel, 4. Ann is a Russian interpreter and translator in Ottawa.

Shawn Munroe, DEng, BEng'84(TUNS), is chief mine engineer with PCS Potash in Rocanville, Sask.

Julia Murphy, MEd, is teaching French immersion at Evergreen Park School in Moncton, N.B. She welcomes old friends to drop her a line at juliam@nbnet.nb.

1983

Jeffrey A. Harvey, BSc, and his wife, Razel B. Mante, announce the birth of their son, Devon, born Oct. 26, 1997. Jeffrey works with Litton Systems Canada in Enfield, N.S.

Angela (Hallett) Joynes, BA(K), MD'87, PostGradMed'89, and her husband, Brynley, announce the birth of their first child, Emma Mary Diana, born on Dec. 10, 1997. Angela is practising family medicine in Columbia, Tenn.

Noreen (McDonald) MacPherson, BA, LLB'86(UNB), is a wills consultant for Atlantic Canada at Canada Trust. She and her husband, Richard, BA'83(SMU), and three children, Katie, 9, Alex, 7, and Jessica, 3, live in Dartmouth.

Paul Stackhouse, BCom, of Halifax, was appointed director, business development, of Centennial Hotels Limited and general manager of The Lord Nelson Hotel.

Ban Tsui, DEng, BSc'84, BSc(Pharm)'87, MSc'91, MD'95, is doing an anesthesia residency at the University of Alberta. He and his wife, **Eliza Poon**, MLIS'91, MED'95, live in Edmonton with their sons, Jenkin, 4, and Hopkin, 2.

1984

Michael C. Chisholm, DEng, BEng'87 (TUNS), was promoted to senior engineer of

switch and fuse production for S & C Electric in Toronto. He and his wife, Pam, and children, Emily, 5, and Simon, 3, live in Brampton.

Karen (Garrett) Cormier, BCom, and her husband, Dan, announce the birth of their son, James Daniel, born Dec. 5, 1996, a brother for Christopher, 2. Karen is working for MT&T Business Communication in Truro, N.S.

Phil Fine, BEd, is editor of *Money Reporter*, a bi-weekly newsletter of investment advice that is circulated to 3,000 subscribers across Canada.

Catherine (McManus) Kells, MD, PostGrad Med'89, and **Dave Kells**, BCom'79, and two daughters, Meaghan, 4, and Kathleen, 2, live in Bedford, N.S. Catherine is an interventional cardiologist, an associate professor at Dalhousie's faculty of medicine, on staff at the QEII Health Sciences Centre, a consultant at the IWK-Grace Health Centre, and the director of residency training for the adult cardiology training program. Dave is a stock broker for Nesbitt Burns.

Victoria (Palmer) Rees, CAE, BA, LLB'87, and **Philip Rees**, MBA'90, announce the birth of their third son, Bennett MacLeod, born Jan.

Books by Alumni

Joe Brown, BA'89, BEd'91, MEd'93, learning centre co-ordinator for Shearwater Development Corporation, wrote *An Oral History of Eastern Passage*. The project was supported by a grant by the National Literacy Secretariat.

Onaiwu Wilson Ogbomo, PhD'93, an assistant professor of history at Allegheny College, recently published *When Men and Women Mattered: A History of Gender Relations Among the Owan of Nigeria*, published by University of Rochester Press, 1997. He lives in Meadville, Pa., with his wife, Queen, son, Efosa, and daughter, Omoruyi.

Robin S. Sharma, BSc'85, LLB'88, LLM'90, wrote *The Monk Who Sold His Ferrari*, a motivational book published by HarperCollins. An American edition will be published in June.



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25, 1998, a brother for Spencer MacKenzie and Campbell Alexander. Victoria is director of administration with the N.S. Barristers' Society and vice-president of the Canadian Society of Association Executives (NS). Philip is MBA program co-ordinator with the Dalhousie School of Business.

David W. Rutherford, DEng, BEng'87 (TUNS), moved to the Ottawa region with his wife, Sandra, and two daughters, Shannon and Heather. Dave has been with the navy for the past 15 years and is an engineer at National Defence Headquarters.

Wanda Staples, DDH, BA'95(Ottawa), married Rob Kyte, BBA'90(StFX), in Ottawa on Dec. 13, 1997. They live in Ottawa.

1985

Constance (Chambers) Robinson, BA, BAHC '86, LLB'91, and **David Robinson**, BA(K), BAHC'86(K), announce the birth of their daughter, Linden Olivia, born July 20, 1997, a sister for Eleanor. They live in Halifax.

Carol (Flynn) Storms, BN, is living in Aurora, Ont., with her husband and two children. She is regional sales manager for Central Canada with Pfizer Pharmaceuticals.

1986

Dennis G. Gabriel, BSW, MSW'92(Calgary), retired from the Canadian Armed Forces after 26 years. He is currently a clinical therapist with Colchester County Children's Aid in Truro, N.S.

C.H.M 'Rick' Jones, MD, is an associate physician at The Shealy Institute in Springfield, Mo. Rick and his wife, Susan, have six children and are in the process of adopting two or three more. Susan completed a diploma as a certified nutritionalist through the National Institute of Nutritional Education. Rick will pursue a doctorate in psychology at the Forrest Institute of Psychology, Springfield, in the fall.

Julia Lefurgey, BA, and her husband, Dean Ariss, MBA(York), announce the birth of their first child, John Clarke, born Jan. 5, 1998. They live in Calgary.

David McVicar, BA, BEd'92, MEd'93, and his brother, **Steve McVicar**, BEng'77(TUNS), MD'88, PostGradMed'95, were planning to begin their circumnavigation of the world by sailboat this spring and summer. The first leg of the adventure will take them from Brest, France, to Cape Verde, West Africa, and on to Barbados. David is a businessman in Halifax and Steve is an orthopedic surgeon in Prince George, B.C.

Spotlight on Alumni

CD-ROM gets to the heart of teaching

Listen closely to my heart. Does it sound normal? Are there murmurs? Do I have a problem?

A doctor can answer these questions, right? Not always, says Dr. Douglas Roy (MD'48).

"When I retired from medicine I was depressed knowing there were a lot of physicians out there who didn't know much about listening to the heart," says Roy, a retired Dalhousie professor of pediatrics. "At the time of graduation, most physicians don't know enough (about listening to the heart) but it's not the physicians' fault, it is the fault of the system. The skill is difficult. There are not enough patients. There are not enough informed instructors and the student has many, many other things to learn."

So Roy decided to try to fix the system.

Four years ago, he and Brian Hoyt (MSc'77), a biomedical engineering consultant in physiology and biophysics, decided to create a CD-ROM teaching tool for listening to the heart.

Roy dove into his archive of more than 200 recorded heart

sounds. He and Hoyt digitized them and developed an interactive multi-media program called Ears On.

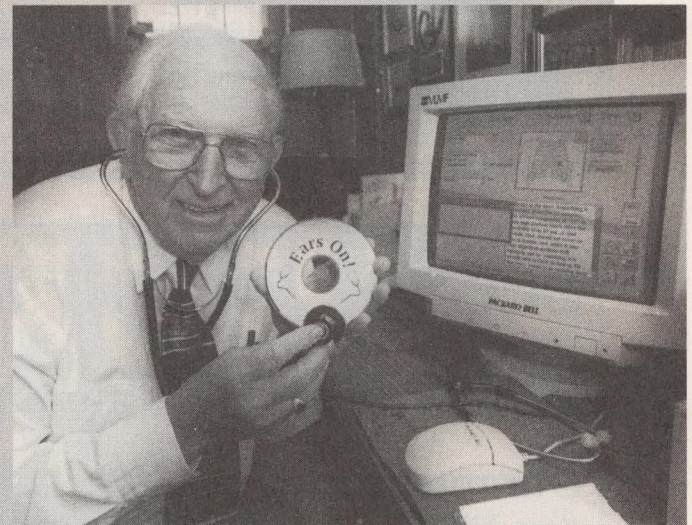
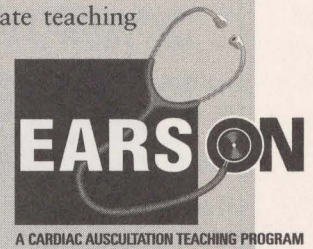
"This is an outstanding teaching tool. My experience has been that rote learning is not good enough," says Roy. "Socrates proved that 2,000 years ago."

The Ears On program is available in most Canadian, and some American, university medical schools. After

being displayed at the American Heart Association convention in Orlando last fall, Ears On now has worldwide distribution.

Roy hopes Ears On will be distributed even more broadly.

"It should be in every medical library and available for every post-graduate teaching program in specialties that use the stethoscope as an aid in diagnosis. It could be a major factor in im-



Dr. Douglas Roy (above) and Brian Hoyt developed an innovative and educational CD-ROM to help physicians learn about heart sounds

proving the standard of health care delivery."

For his achievement and, more importantly, four decades of teaching at Dalhousie, Roy, 74, was awarded the Distinguished Teaching Award from the Canadian Cardiovascular Society last year.

"It is a great feeling of satisfaction to feel that one has possibly made a contribution to medicine," he says.

-Katharine Dunn (BAHon'98)

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Kelli Owens Beach, BSc, MSc'92(UPEI), and **Todd Beach** announce the birth of **Cullen Gareth**, born Apr. 25, 1997, a brother for **Aidan Dale**. They live in **Hampton, N.B.**, where **Todd** is a management forester for the Department of Natural Resources.

Walter E. Remondini, LLB, is general counsel, litigation, for **Allstate Insurance Company of Canada** in **Calgary**.

1987

Pamela (McMullen) Benoit, BN, and her husband, **Victor Benoit, BEng'88(TUNS)**, announce the birth of their son, **William Victor**, born June 23, 1997, a brother for **Alexander** and **Jeremy**.

Siobhan Bergin, MD, PostGradMed'92, and her husband, **Philip Fraser, BCom'83, MURP'88(TUNS), MBA'88(SMU)**, announce the birth of their second child, a daughter, **Niamh Sarah**, born Nov. 1, 1997, a sister for **Michael**, 2. They live in **Halifax**.

LouAnn Chiasson, BA(K), LLB'91, and **Kelvin Sams, CA, BCom**, announce the birth of their first child, a son, **Jacob Alexander Sams**, born Feb. 7, 1997. They live in **Dartmouth**.

Margot (Hutchinson) Chiasson, BPE, MA'90, and **Wayne Chiasson, BEng'90(TUNS)**, announce the birth of their daughter, **Nicole Marie**, born Dec. 21, 1997, a sister for **Michael**, 4 1/2, and **Laura**, 2 1/2. They live in **Bedford, N.S.**

Stacey Deneka, BSc, DDS'91(McGill), BE'96 (Brock), and her husband, **Richard Kopeschny**, announce the birth of their first child, a daughter, **Gillian Deneka Kopeschny**, born Feb. 11, 1998. They live in **Midland, Ont.**

Andre C. Dessureault, BSc, DDS'91, married **Janet L. Harrison, BSc'87(MtA), DVM'92 (AtlanticVeterinaryCollege,UPEI)**, on June 20, 1997. They live in **Dartmouth**.

Krista (Bishop) Myles, BA, BSW'89, MSW'92, and **Wayne** announce the birth of their daughter, **Jenna Lee**, born Feb. 28, 1997. **Krista** is a mental health professional at the **Valley Regional Hospital** in **Kentville**. They live in **Hantsport, N.S.**

Jamie Oyler, BCom, and his wife, **Mia Fortin**, announce the birth of their first child, a son, **Justin Oyler**, born Dec. 26, 1997. **Jamie** is an investment adviser with **Nesbitt Burns** in **Halifax**.

Sue Pearce, BSc, DVM'91(UPEI), and her husband, **George Collard, BSc'87(UNB), DVM'91(UPEI)**, announce the birth of their son, **Devon**, born Jan. 29, 1998, a brother for sister, **Mackenzie**, 3. **Sue** and **George** own the

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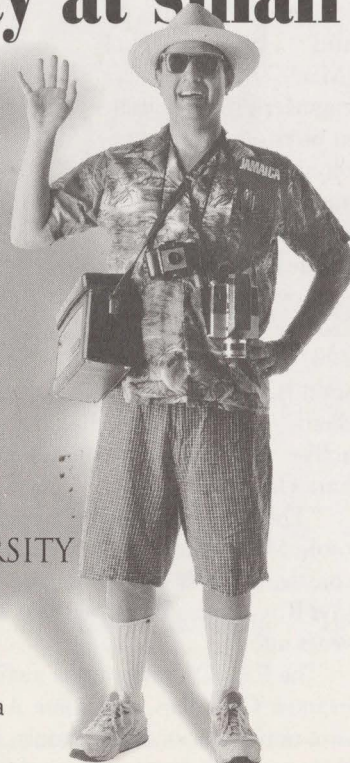
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Bracebridge Animal Hospital in Bracebridge, Ont.

Jane S. Walker, BCom, and David J. Price, BSc, MD(UBC), announce the birth of their daughter, Catherine Jane, born Nov. 2, 1996, a sister for Emma. They live in Vancouver.

1988

Jamie Baillie, CA, BCom, and his wife, Sandra Crowell, announce the birth of their first child, a daughter, Alexandra Katherine, born Feb. 13, 1998. Jamie is a consultant with Robertson-Surette Executive Search. Sandra is the co-ordinator of the Atlantic Health Promotion Research Centre at Dalhousie.

Mario Dipersio, MD, PostGradMed'97, is practising pediatric and adult stroke rehab at the Glenrose Rehabilitation Hospital in Edmonton.

Deanna (Worth) Landry, BScPT, and Blair Landry, BSc'95, announce the birth of their first child, a daughter, Olivia Nicole, born July 11, 1997. Blair continues as operations manager with Peninsula Farm Ltd. and Deanna is working part-time at the QEII Health Science

Centre. She is on the Dalhousie Alumni Board as physiotherapy division rep and is planning her 10th year class reunion. She hopes to see all her classmates there in July. They invite classmates to contact them at dlandry@supercity.ns.ca.

Karen Leitch, BSc(Pharm), married John Duggan of Galway, Ireland, on Oct. 18, 1997, in Ottawa.

Stella Rastogi, MSc, DDS'97, and Nikhil Rastogi, MD, PostGradMed'95, announce the birth of their son, Kirin Robert, born Oct. 23, 1997, a brother for Jaya. They live in Barrie, Ont. Stella joined the Georgian Family Dental Practice and Nikhil is an anesthesiologist at the Royal Victoria Hospital.

Alexander Varga, BSc(Hon), BA'91(SMU), STB'97(StPaul's), MDiv'97(SAS/Toronto), was ordained to the priesthood in May 1997. Father Varga is an associate pastor of St. Justin Martyr Parish in Unionville, Ont.

Janice (Hollett) Whebby, BSc, MSc(A)'90 (McGill), and Edward Whebby, BCom'89 (SMU), announce the birth of their son, Christopher Andrew, born Aug. 27, 1997, a

brother for Nicholas Edward, 3. They live in Dartmouth. Janice is a speech-language pathologist with the N.S. Hearing & Speech Clinic and Ed works for Ford Credit Canada Ltd.

Laura A. William, BA, is studio manager at FUSIONcreative, the design studio of Pro-manad Communications Inc. in Toronto.

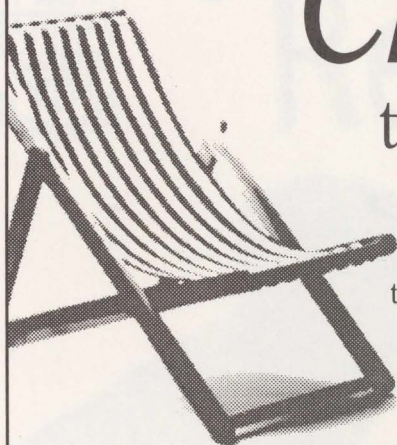
1989

Vicki (Martin) Crane, DDH, and Glen Crane, DDS, announce the birth of their son, Riley Glen, born Nov. 23, 1997, a brother for Quinn, 3. They live in St. Phillip's, Nfld.

Nancy (Geldert) MacDonald, BCom(Hon), and Andrew, BBA'89(UPEI), announce the birth of their daughter, Katherine 'Kate' Marina, born May 7, 1997. They live in Halifax.

T. Brian McLaughlin, BSc, DEng, BEng'92 (TUNS), is a senior consultant at KPMG in Toronto in the Strategic and Technology Services Baan Practice.

Sheldon Nathanson, LLB, is a partner with Anderson Nathanson and part-time crown prosecutor in Sydney, N.S.



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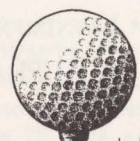
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Dalhousie University



Roger Thompson, BA(K), BAHC'91(K), MA'94, is an author living in Piscataway, N.J.

Brenda Wild, BSc(Pharm), and **Paul Piercey** announce the birth of their second child, **Emma Grace**, born Jan. 6, 1998, a sister for **Elyssa**, 3. They live in St. John's, Nfld.

1990

Tina Bradford, BA, MLIS'97, joined the CGI group as a consultant with the Amicus division in Ottawa.

Anne Duprat, CFA, MBA, and her husband, **Willem Hendrik Westenberg**, announce the birth of their first son, **Jean Nicolas**, born Sept. 17, 1997. Anne is director of investor relations with Bell Canada International in Montreal.

Dana (Bryant) Fergusson, MSc, and **Bart Leppan** announce the birth of their first child, a daughter, **Laura Emily**, born Oct. 21, 1997. They live in Truro, N.S., where Dana is doing private practice in speech-language pathology and locums at the N.S. Hearing & Speech Clinic.

Colleen Lee, MD, PostGradMed'91, and her husband, **Bruce Sifton**, announce the birth of their son, **Ian**, born Oct. 3, 1996. Colleen is in

family practice at the Tsawwassen Medical Clinic. They live in Richmond, B.C.

Josee Parent, MES, and **Tim Smith**, MES'93, announce the birth of their second child, **Karine Elise Smith**, born Dec. 6, 1997, a sister for **Danielle Anne Martine**, born Mar. 17, 1996. They live in Lower Sackville, N.S. Josee is at home with the girls and Tim is senior policy adviser with the N.S. Department of the Environment.

Ria (Granchelli) Richardson, BSW, married **John Digout** on July 5, 1997. They live in Dartmouth with her two sons, **Alex**, born Oct. 7, 1992, and **Robert**, born Mar. 29, 1995.

1991

Traci (Bowness) Harbord, BSc(Pharm), and **Dave** announce the birth of their daughter, **Bethany Grace**, born Dec. 2, 1997, a sister for **Andrew**, born Sept. 1, 1995. Traci works in the pharmacy at Prince County Hospital, Summerside, P.E.I.

Philip Marmina, MBA, and his wife, **Diane**, announce the birth of their second child, **Carly Melissa**, born July 10, 1997. They live in Pickering, Ont.

Soania (Verma) Mathur, BSc, MD'95, and her

husband, **Arun Mathur**, BSc'87, MD'91, PostGradMed'96, are practising in Oshawa, Ont.

Lucy Ward, BSc, married **Michael McKee** on May 24, 1997. They live in Dartmouth.

1992

Kori Inkpen, BSc(Hon), PhD'97(UBC), married **Jeff Quinn**, BA'93, in Dartmouth on Dec. 28, 1996. They live in Vancouver where Jeff works with the Federal Department of Justice. Kori is doing post doctoral research at the University of Washington, Seattle. In September she will begin a faculty position in computer science at Simon Fraser University in Vancouver.

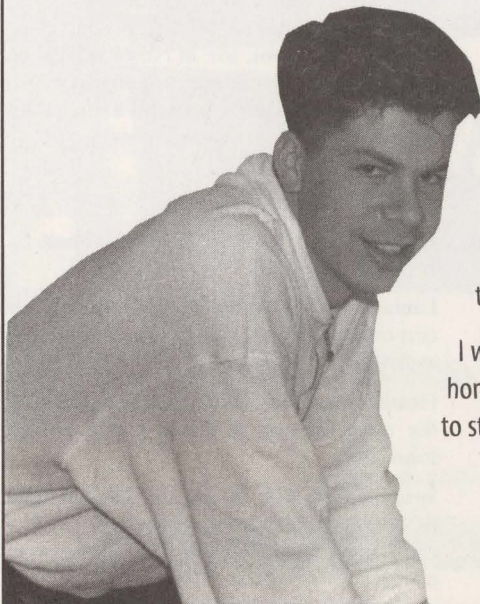
Susanne M. Verberk, BEd, MEd'97(MSVU), married **Kamran Nisar** in July 1997. She teaches Grade 9 algebra at Central Colchester Junior High School in Onslow, N.S. She says "hello" to all her classmates.

Neena (Kapur) Paliwal, BCom, and **Vikas Paliwal**, DEng'90, BEng'93(TUNS), announce the birth of their son, **Keshav**, born Jan. 22, 1998. They live in Amherst, N.S.

Andrew Purdy, RT(R), BSc, is an international marketing agent at the University of New



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Brunswick, Saint John campus. He is working in Taiwan and later Thailand. He invites anyone in the area to contact him at apurdy@admin1.csd.unbsj.ca.

Ian Robertson, MBA, and his wife, Sian, announce the birth of their son, Angus, born Feb. 10, 1998. They live in Vancouver, where Ian joined Odium Brown, a B.C. based independent brokerage firm, as an investment adviser. He invites classmates to e-mail him at irobertson@odlumbrown.com.

1993

Mark A. Coady, CMC, PEng, MBA, BEng'89(TUNS), and his wife, Carrie (Cash) Coady, Arts'96, announce the birth of their daughter, Caroline Bree, born Mar. 3, 1998. Mark has taken a two-year secondment from Deloitte & Touche Consulting Group to their Brussels office. They welcome visitors from Canada.

Wendi Inkpen, BSc, DEng, BEng'96 (TUNS), and Mike Nagle, BSc, DEng, BEng'96(TUNS), are metallurgist engineers with the Hudson Bay Mining and Smelting Company in Flin Flon, Man.

Aaron LeBlanc, DEng, Matt Fitzgerald, DEng'94, and fellow DalTech engineering student, Sheldon Butt, won a prize from the N.S. Construction Safety Association for their project "The Door Dollie: An Ergonomic Solution."

Carolyn Racine, BA, and Shawn McPherson, MPA, announce the birth of their son, Allistair Pierce, born Dec. 15, 1997, a brother for Sarah Alanna, 2. Shawn is MIS co-ordinator for the County of Renfrew in Pembroke, Ont.

Kimberly Reyno-Briscoe, BSc, MSc'97 (Western), and her husband, Michael Briscoe, PEng, BEng'93(Waterloo), live in Newmarket, Ont. Kim is a speech-language pathologist at York County Hospital and Michael is a mechanical engineer with Concord Engineering.

1994

James A. Calkin, BM, married Siobhain M. Bly in Kingston, Ont., on Jan. 3, 1998.

Laura Gonzalez Trilla, BA, is working in the corporate finance sector of the largest brewery in Argentina.

Heather Harrison, MBA, is the accountant for the radio division of Fundy Cable in Saint John, N.B.

Suzanne King, CA, BCom, and Kevin Schultz, BCom, were married on May 24, 1997, in Burlington, Ont. Suzanne is a chartered accountant in the taxation department of KPMG in Hamilton, Ont., and Kevin is a pharmaceu-

tical sales rep with Bayer Inc. in the Hamilton area. They invite classmates to contact them at sschultz@kpmg.ca and kevin.schultz.b@bayer.com.

Susan D. Moffatt, MD, is completing her PhD in transplantation immunology at the University of Cambridge, U.K.

Hugh Richards, BRec, is a computer trainer with Harley-West in London, England.

Ronald Samson BRec, DPAD'97, of Toronto, expanded his personal lifestyle enhancement company, Changing Tides, to include recreational staffing services for the condominium sector. He welcomes friends to email him at ronald.samson@utoronto.ca.

Andre Talbot, PhD, is a fisheries scientist with the Columbia River Inter-Tribal Fish Commission in Portland, Ore.

Susan Whitley, MDE, is with site operations support at the head office of Shell Canada in Calgary. She invites friends to contact her at susan.whitley@shell.ca.

1995

Lorna Kirk, BA(Hon), is doing post graduate studies at the Granada Centre for Visual Anthropology, University of Manchester, England. She will be travelling to Nepal this summer to conduct field work and make an ethnographic film as part of her MA thesis.

Michelle Lam, MMM, married Nelson Kile on Apr. 11, 1996. They live in Honiara, Solomon Islands, South Pacific. Michelle works for the fisheries division of the Solomon Islands government and Nelson is a fisheries, marine and environment consultant.

Stephen Moses, BPE, BEd, is head of the oral communication section of the English department at Tottori Johoku High School in Tottori, Japan. He invites classmates to contact him at swmoses@hal.ne.jp.

Barry D. O'Brien, MPA, accepted the position of director of corporate affairs at the Liquor Control Board of Ontario. He and his wife, **Kelly (Marsh) O'Brien, BA'94(K)**, live in Toronto.

Kandace Terris, LLB, is solicitor with the legal services department of the Halifax Regional Municipality.

John Underhill, LLB, is working with the N.S. Department of Justice in the area of child welfare.

1996

Lori Pater, BSc(Pharm), and her husband, **Ian MacIsaac**, announce the birth of their first child, a daughter, **Hannah Marlene MacIsaac**, born Oct. 3, 1997. They live in Lower Sackville, N.S.

Jean Sander, BScN, began a three-year Mennonite Central Committee assignment in Haiti as a health development worker.

DEATHS

Alexander John 'Jack' Campbell, QC, BA'25, LLB'27, of Montreal, on Jan. 30, 1998. In September 1997 he was formally recognized as the Montreal Bar's longest practising lawyer (70 years).

Walter Bruce Kelley, DEngr'25, BEng'27 (TUNS), of Sarnia, Ont., in February 1996.

Agnes Matilda (MacIver) Barnard, BA'28, of Musquodoboit Harbour, N.S., on Nov. 23, 1997. She was a former principal of Baddeck Academy and an employee of the Naval Research Establishment in Halifax.

Isabelle Beatrice 'June' Morris, BA'28, of Halifax, on Nov. 10, 1997. She retired from Canada Trust in 1971.

Jessie Louise Patience (Gladwin) Turnbull, BA'29, of Saint John, N.B., on Feb. 24, 1998.

Arthur Gordon Cooper, BCom'31, BA'34 (Oxford), BCL'35(Oxford), LLD'68, DCL'73(K), of Halifax, on Mar. 1, 1998. He practised with McInnes Cooper & Robertson. In 1968 he was appointed a judge of the Nova Scotia Supreme Court, Appeals Division, retiring in 1983. He was a lecturer in trusts at Dalhousie Law School.

John Malcolm McGowan, BSc'32, MD'33, of Tequesta, Fla., on Nov. 30, 1997. He was on staff of Quincy Hospital, Massachusetts, from 1938-80, serving as chief of surgery from 1950-60.

Cecily (Kirby) Brady, BA'33(K), of Toronto, on Feb. 8, 1998.

Edgar Wendell Hewson, MA'33, of Coronado, Calif., in December 1997.

Ena Louise Garber, BA'34, of Bridgewater, N.S., on Feb. 19, 1998. She was a secretary with the LaHave Creamery for several years.

George Feversham Arnold, BA'35(K), MA'38, of Hantsport, N.S., on Jan. 31, 1998. He retired as an Anglican bishop in 1979.



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Catharine Gordon (Fogo) Cook, BA'35, BLS'36(McGill), of Tantallon, N.S., on Dec. 9, 1997. She was a librarian at McGill and Dalhousie, retiring in 1976.

Harold Ervin Nelson, BCom'35, of Stewiacke, N.S., on Dec. 11, 1997. He owned and operated the family general store until 1958. Later he was a financial planner until retirement in 1993.

Allan Burgess Ramsay, LLB'36, of Nepean, Ont., on Nov. 10, 1997.

Samuel Jacob Shane, BSc'36, MD'40, of Toronto, on Feb. 2, 1998.

Pearl Ann Levine, BA(Hon)'38, of Washington, D.C., on Nov. 1, 1997. She was a law firm administrator in Washington, retiring in 1985.

Mary Prudence (McKim) Irvine, BA'40, of Ottawa, on Oct. 23, 1997.

H. Clyde Slade, MD'41, of Vancouver, on Dec. 12, 1997. He was a professor emeritus at UBC and medical adviser to the Pacific Command Division of the Royal Canadian Legion.

Harold Reeve 'Bone' Roby, BA'42(K), MD'45, of Windsor, N.S., on Mar. 5, 1998. He was a

radiologist in Kentville, Wolfville and Windsor for 39 years.

Louise (Bishop) Spurr, BA'42, BEd(MtA), of Sackville, N.B., on Feb. 17, 1998. She taught for many years in Sackville, N.B., and River Hebert, N.S.

Donald MacKeen Smith, Commerce'44, of Halifax, on Feb. 16, 1998. He was president and general manager of J.E. Morse & Co. Ltd., president of Eastern Canada Savings and Loan Co., and vice-president of Central and Eastern Trust Co. He was an MLA in Halifax from 1960-70. In 1980 he was appointed Nova Scotia's agent general for the United Kingdom, Europe and the Middle East, retiring in 1991.

Mary Stirling, BSc'44, MD'59, of Halifax, on Feb. 23, 1998. She practised family medicine in Halifax until retirement.

Norma Mary (Sherman) Peters, BA'45, BCom'46, of Ottawa, on Dec. 31, 1997.

Arthur Drysdale Johnson, MD'47, of Castlegar, B.C., on Nov. 22, 1997. He practised in Castlegar from 1952 until retirement in 1992.

Gordon Wallace 'Doc' Caldwell, BSc'48,

DDS'51, of Halifax, on Jan. 13, 1998. He practised dentistry in Dartmouth.

Ralph Dunbar MacKnight, DPharm'48, BSc'49, of Dartmouth, on Jan. 18, 1998. He was owner/pharmacist of the Owl Drug Store in Dartmouth.

Kenneth Stewart Dawe, QC, LLB'49, of Ottawa, on Feb. 25, 1998.

Reginald Curren Eaton, MD'49, of Cocoa Beach, Fla., on Jan. 3, 1998. He practised psychiatry in New Brunswick and Florida.

Eric Harold Holloway, PEng, BSc'50, DEng'50, BEng'53(TUNS), of Sarnia, Ont., on Mar. 5, 1998. He retired from EMCO Ltd. and ITT Grinnell.

David Graham Logan, DEng'50, BEng'51 (TUNS), of Ottawa, on Dec. 26, 1997.

Noel Herbert Alan Goodridge, BA'51, LLB'53, of St. John's, Nfld., on Dec. 12, 1997. He was a former chief justice for the province of Newfoundland. In August 1996, he was awarded the Ramon John Hnatshyn Award for Law honoring his outstanding commitment to the law and legal scholarship in Canada.

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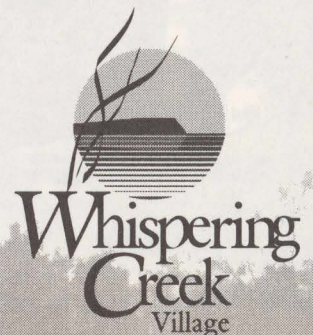
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John Roderick 'Gish' McKenna, DPharm'51, of Antigonish, N.S., on Nov. 9, 1997. He owned and operated McKenna Drugstore in Antigonish, retiring in 1983.

Philip Clarence Willis Hebb, LLB'52, MusB (Royal Conservatory, Toronto), of Calgary, on Dec. 5, 1997.

Christina Rhett (MacKeen) Shaw, Arts'53, of Halifax, on Dec. 22, 1997. She was involved in many volunteer activities and causes.

Francis Flo Frenette, MD'57, of Eden, N.C., on Aug. 21, 1997. He was a retired certified obstetrician gynecologist and practised medicine in Plaster Rock, N.B., Washburn, Me., and Eden.

John Douglas Darroch, MD'58, of Modesto, Calif., on Jan. 12, 1998. He was a neurosurgeon, and former chief of staff at Doctors Medical Centre and former medical director at Central California Rehabilitation Hospital, Modesto.

Donald Lewis Matheson, LLB'59, of Sydney, N.S., on Mar. 7, 1998. He was appointed to the bench in 1979 and sat in Port Hawkesbury and Glace Bay.

C. William 'Bill' Curry, DDS'60, of Halifax, on Feb. 27, 1998. He operated a family dental practice in Halifax for over 30 years, retiring in 1997. He was also director of the dental clinic at the Nova Scotia Hospital.

Lorraine Elizabeth (Kirby) Green, BA'61, of Halifax and Marriott's Cove, N.S., on Dec. 30, 1997. She was a librarian at Queen's and Dalhousie and director of development for the Nova Scotia Heart Foundation. Lorraine served on Dalhousie's Board of Governors and was a past-president of the Alumni Association.

Karen Beulah Sheehan, BA'62, BEd'63, MA'72, of Halifax, on Dec. 3, 1997.

Arthur Alfred Longard, BSc'65, of Halifax, on Dec. 20, 1997. He was director of policy, planning and coastal resources for the N.S. Department of Fisheries.

Douglas Grant Robinson, BSc'67, of Nassau, Bahamas, on Jan. 9, 1998. He worked in the fisheries on both coasts of Canada and later moved to the Bahamas in 1991 as a consultant.

Joseph Harold Beaton, BA'72, of Halifax, on Dec. 5, 1997. He was an employee of Medis Atlantic for 19 years.

Robert Anthony MacNeil, MD'74, of Sussex, N.B., on Nov. 17, 1997. He was a family physician in the greater Sussex area for 20 years.

Paul David Hargrave, MD'75, PostGrad Med'76, of Delta, B.C., on Feb. 10, 1998.

In Memoriam

Yuri Glazov: "a hero of his country"

A retired Dalhousie professor who gave his students an insider's perspective on life in the former Soviet Union died in March after a short fight with cancer. Yuri Glazov was 68.

Glazov joined Dal's Russian studies department in 1975 after being expelled from the Soviet Academy of Sciences for his outspoken views against communism and the Soviet regime. During 23 years in Halifax, he also held an appointment as associate fellow at the University of King's College.

"(Yuri was) an outspoken fighter for human rights and freedoms during some of Russia's dark days, a man who put his reputation, his career, his very life at gravest risk, that the country and people he loved might enjoy the liberties that we here take almost for granted," said George Cooper (LLB'65), in a tribute given at Glazov's memorial service. "Yuri was a genuine hero of his country."

Glazov was the first former member of the Soviet Academy to become a professor at a Canadian

university. During his years at Dalhousie, he wrote many books on Russian literature, language and political life. Most recently, he wrote several volumes of memoirs on leading contemporary Russian figures which included his own recollections of life in Russia.

Glazov's contribution to university life will not be forgotten.

"His influence - benign and gentle, yet intellectually powerful - on a whole generation of Dalhousie and King's students will last as long as our society values clear thinking yoked to sound character," said Cooper.

Donations may be made to Dalhousie University, which is establishing the Yuri Glazov Trust to perpetuate his work and memory, c/o Dean, Faculty of Arts and Social Sciences.



Yuri Glazov

E. Bruce Barrett, MD'76, of Bluffton, Ind., on Nov. 23, 1997. He practised in Glace Bay, N.S., for 19 years before moving to Indiana where he was a family physician in Ossian.

Henry Thomas Watts, BSc'76, of Saint John, N.B., on July 20, 1997.

Glen Donald Weaver, CMA, BSc'76, of Mouth of Keswick, N.B., on Dec. 5, 1997. He was senior financial administrator for Northumberland Co-operative Dairy Ltd.

Rosemary Weatherhead, PostGradMed'78, of Vanier, Ont., in February 1997.

David Strathern Fensom, LLD'88, of Sackville, N.B., on Jan. 30, 1998. He was a professor emeritus at Mount Allison University.

Sarah Ann Abbott, LLB'92, of Bay De Verde, Nfld., on May 29, 1995.

Kimberley Dawn MacKinnon, BSc'92, BEd (Acadia), of Fredericton, N.B., on Dec. 7, 1997.

Sandra Marie Deveau, BSc'94, of Halifax, on Feb. 21, 1998. She was an emergency medical technician at the QEII Health Sciences Centre.

Due to space constraints the class notes coordinator reserves the right to shorten written submissions.

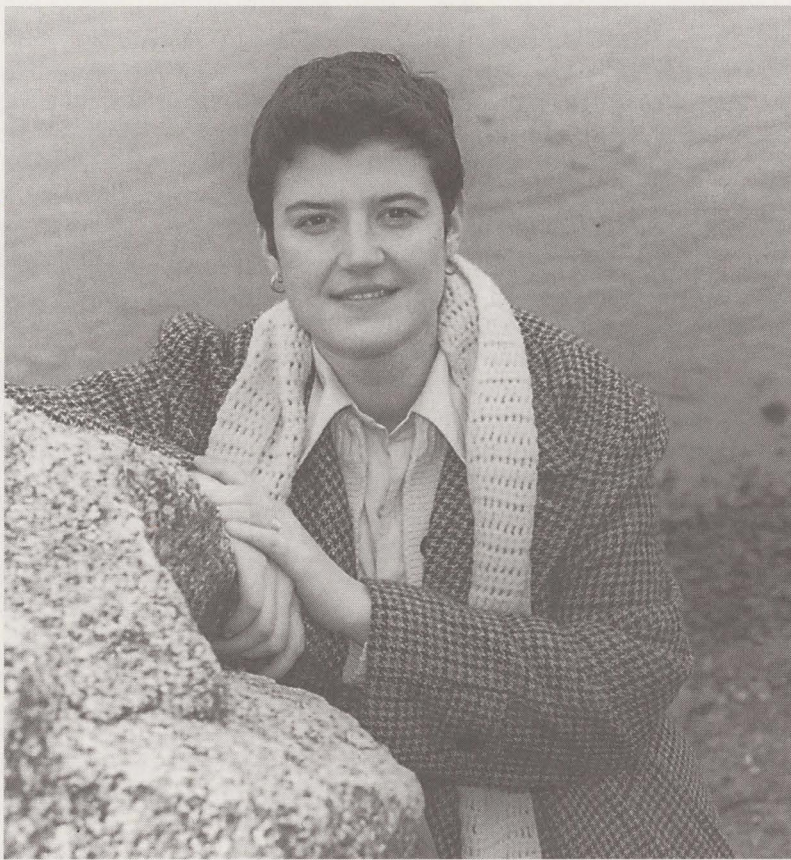
Oops . . .

In announcing the recipients of the W. Andrew MacKay Scholarships in our Winter 1998 issue, we incorrectly named one winner. Our - corrected - congratulations to Kevin Woodbury of Halifax.

Name: Josie Thombs, second-year arts student

Age: 25

Summer Job: Pacific coast "fisherman"



Day in the life:

Up at 5 a.m., 10 minutes for coffee, fish till 9 p.m., eat, play cards or read (last summer, Nietzsche was the author of choice)

The catch:

Prawn

The goal:

Study marine law; own a sail boat

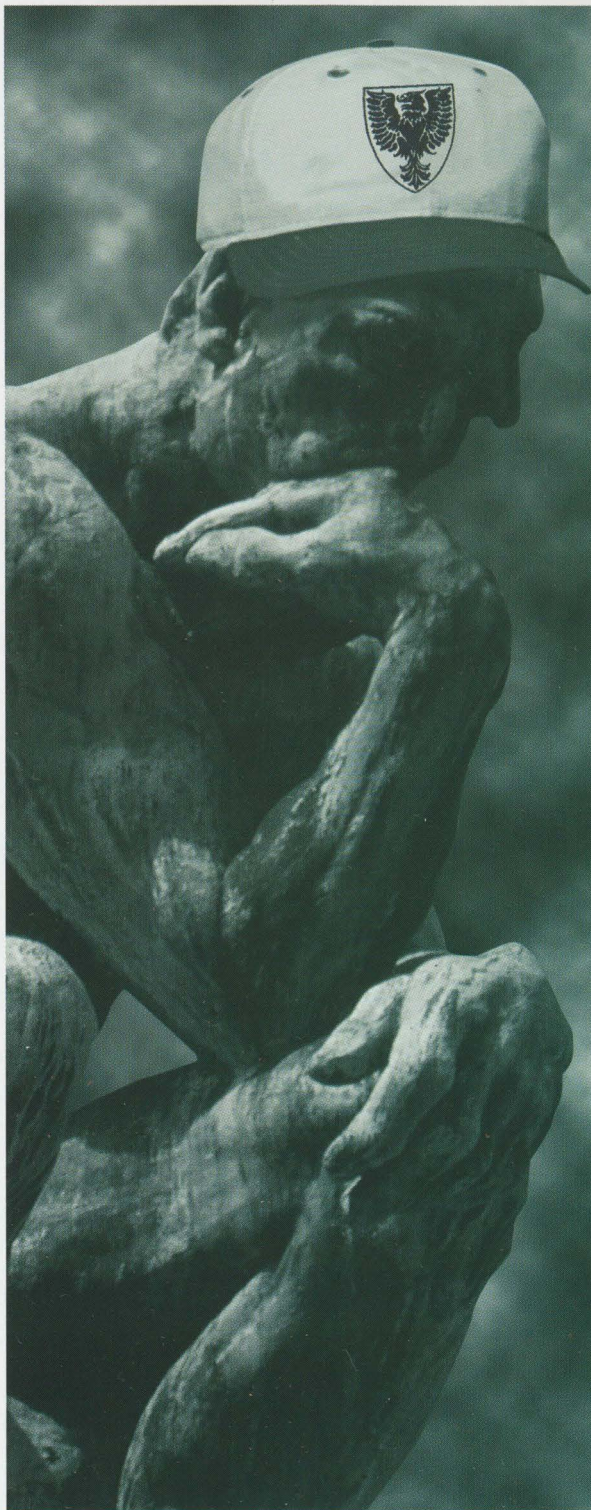
Turning the tide

For several recent summers, Josie Thombs has been the lone woman among an all-male, deep-sea fishing crew

“ I’m a fisherman. That’s what the crew calls me and so that’s what I accept as right. After all, it’s their tradition. I do exactly what they do and they don’t treat me any differently from the guys. • I saw a beautiful boat once and had always fantasized about what it would be like to work on one. So, I put a note on it saying, ‘I’ll work for cheap.’ We went for 70 days straight the first trip out. It was like boot camp. • Part of that lifestyle seeps into your bones and that’s what calls me back. But it’s a love/hate relationship. By the end of the summer, I want to get off the boat more than anything. But by the end of the winter, I always want to get back on again. • It takes a certain mind-set to tolerate that environment for a long time, and I don’t think it’s for everybody. I’m not suggesting that I’m stronger than anybody else. I just see the romance in it. ”

Research: Katharine Dunn
Photo: Danny Abriel

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