

# on CAMPUS

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U of C researchers chart new territory  
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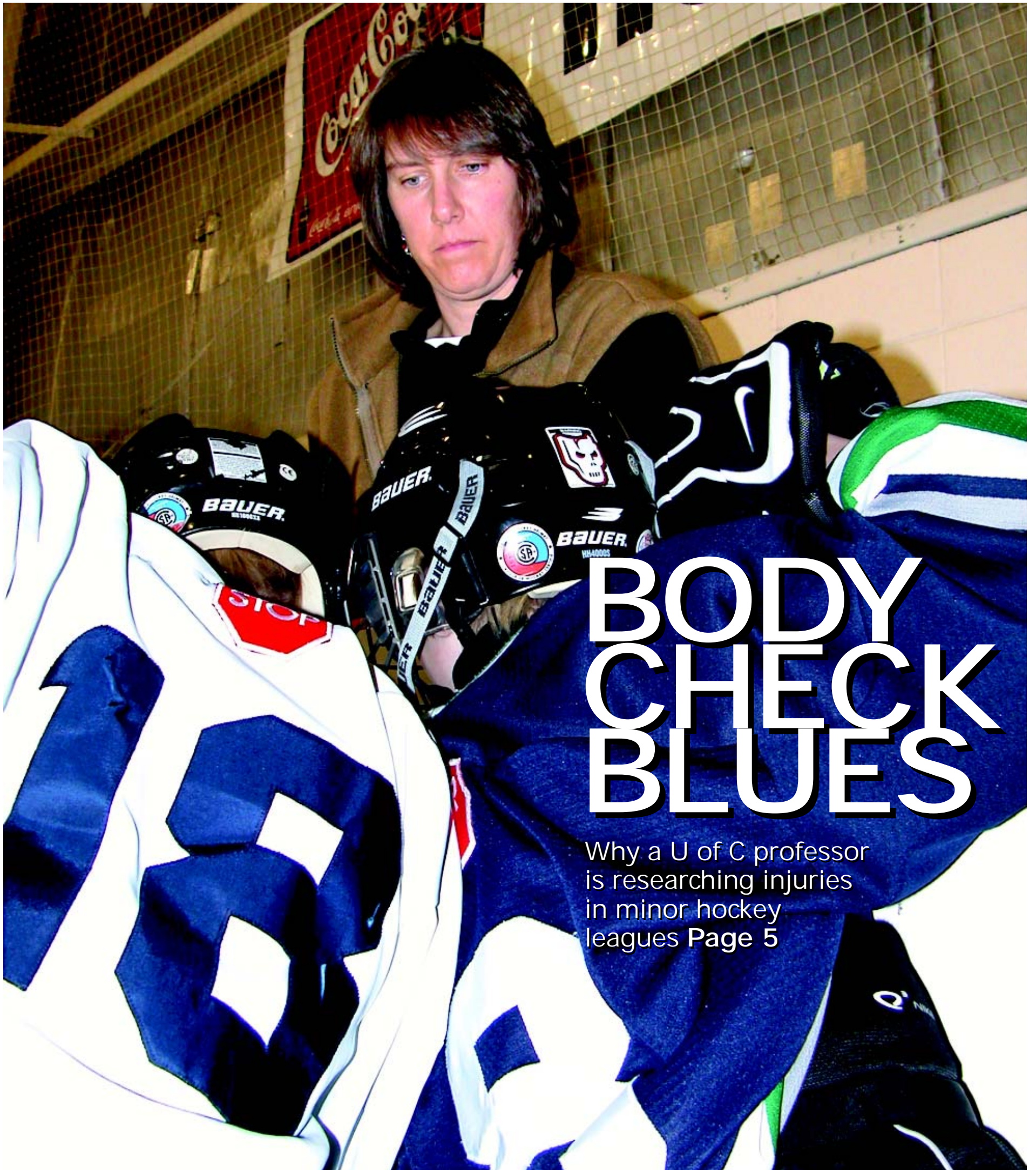
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# BODY CHECK BLUES

Why a U of C professor  
is researching injuries  
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## NEITHER RAIN NOR SNOW . . .



This week, a nod to the folks who work outside, like parking attendant Jeremy Jeremiah.



Diane White and Lynnette White kept the grounds neat and tidy at 8 a.m. even during the recent cold spell. / Photos by Ken Bendiktsen



Marek Walkowiak shovelled the walks.

### ■ TO THE POINT

#### Haskayne students triumph at international business competition

Seventeen Haskayne BComm students upheld a 27-year winning streak, collecting five medals in the eight-event Inter-Collegiate Business Competition (ICBC) at Queen's University in Ontario last weekend. This year's team won three gold medals (in finance, debate, and ethics), a silver medal (in labour arbitration), and a bronze medal (in management information systems).

"Every team had their best performance of the year — we are very proud of our students," says Dr. Bob Schulz, who has been coaching Haskayne ICBC teams since the competition started in 1978. "Our solutions were by far the most pragmatic; our students clearly have the creativity, insight and strategic skills to excel in the business world."

ICBC is the world's oldest and largest undergraduate business case competition. This year, 31 universities from Canada, Asia, and the U.S. participated in the competition. Since the first ICBC competition 27 years ago, Haskayne business students have won a record 58 gold medals.

Team members began training for the competition last April.

Haskayne ranked first overall in the preliminary round and was the only school to qualify all eight case teams for the finals. In

the final round, the teams were given five hours to analyse a new business case and make a 15-minute Power Point presentation on its solution.

#### Alumnus to Run In Ward 10

Calgary's Ward 10 has been marred in controversy over the last several months, but that hasn't put alumnus Barry Lindemann, BComm'94, off local politics. In fact, Lindemann — who grew up in the area — has decided to run as an independent candidate in the upcoming byelection.

"For the past eight years, I've worked at the Canadian Paraplegic Association on projects that have improved our city for people with physical disabilities, and I'm proud of what I've helped to accomplish. Now I'm prepared to start working on improving the community at large," says Lindemann, who has been a quadriplegic since a diving accident 10 years ago.

Building more barrier-free, affordable housing for people with physical disabilities is one of Lindemann's goals, but he admits his first plan of action would be to implement a community advisory committee made up of Ward 10 citizens to help him set his priorities for the term and ensure he works on the projects they deemed most important.

The byelection will be held February 28.

#### Randall reappointed Dean of the Faculty of Social Sciences

Dr. Stephen Randall has been reappointed as Dean of the Faculty of Social Sciences for a final two-year term, beginning on July 1, 2005.

"I believe that Dr. Randall will continue to be a highly effective leader for the Faculty of Social Sciences, and I hope that you will join with me in extending congratulations, wishing him continuing success, and offering him your support, said University of Calgary president Harvey Weingarten in making the announcement.

Randall is a specialist in United States foreign policy and international relations and has served with the United Nations in Nicaragua and in Cambodia. He was elected to the Royal Society of Canada in 1996. He holds the Grand Cross, Order of Merit, from the Ministry of Foreign Relations, Colombia. He is the former holder of the Imperial Oil-Lincoln McKay Chair in American Studies. Before joining U of C in 1989, he taught at the National University in Bogota, the University of Toronto and McGill University, where he was also the head of the history department.

— Nicole Wheatley, Leslie Strudwick and Colleen Turner

■ To the Point features news in brief.

### ■ YOUR ALUMNI

## Home-schooling away from home

Diane Swiatek created a school where children thrive

By Leslie Strudwick



Diane Swiatek wants children to make decisions about their own education. / Photo provided by D. Swiatek

Walking into the brick office building on 14<sup>th</sup> Street N.W., you'd never guess you were entering the "hallowed halls" of education. And that is exactly what Diane Swiatek, BA'69, BEd'71 is going for. "We provide a home education away from home," says the founder of the small, independent Banbury Crossroads School.

Swiatek spent a few years teaching in the public system and quickly realized it wasn't for her. She believed in a more open approach to education and wanted to move away from the uniformity and conformity she saw promoted to students in public schools. "As I see it, schooling shouldn't be static. Plus, I wanted to give children more opportunity to make decisions about their own education."

When she started reading about the history of education and found some books offering different philosophies, she realized she wasn't alone in desire for her an "ideal

school." She learned how the public school system grew from industrialization and the desire to teach children as preparation for work in the factory. "One teacher/many students mirrored the one boss/many workers concept in factories," explains Swiatek. "For me, the concept of Banbury is to provide education on the basis of the family instead of the factory. The adults who teach here not only care about what the students learn, but they care about the students themselves," she adds, "This takes time, and that time is much more available in a small environment."

Banbury is an open-school concept. Students are in small groups of varied ages. The main reason parents choose to send their children to Banbury is that they want more nurturing attention for their kids. Each class is limited to 10 students. The children are encouraged to move

around the classroom. "We want the kids to move around, investigate, and take an active role in their own education." The teachers are more like mentors. If problems arise, the students are encouraged to solve them on their own, something that Swiatek says instills confidence and a sensitivity to others' needs.

The school is celebrating its 25<sup>th</sup> anniversary. In 1979, Swiatek opened the doors with two students. Today, there are about 75 students who attend daily. Some of these students come from around the world to learn at Banbury. With a strong ESL program, they've had students from as far away as China, Germany, Colombia, and Taiwan. They also teach children from the neighbourhood. Either way, each student receives as much attention, teaching, counselling, and care he or she needs to thrive. And that sounds like home.

OnCampus welcomes letters, comments and suggestions for stories. Send them to: OnCampus Administration 113 2500 University Drive N.W. Calgary, Alberta, Canada, T2N 1N4 Telephone: (403) 220-3500 Fax: (403) 282-8413 Email: uofcnews@ucalgary.ca Web: www.ucalgary.ca/oncampus/weekly

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LEARNING AND U



Dr. Warren Piers (back row, right) is taking his group to the top of the research mountain. / Photo courtesy Warren Piers

## Why good chemistry makes the difference

By Alex Venter

Once a year, Dr. Warren Piers' research group hikes up a mountain. This team-building activity helps keep his lab productive and a fun place to work, says the U of C chemistry professor.

Last semester, Piers won the Outstanding Achievement in Supervision Award from the Faculty of Graduate Studies. His "ability to inspire" was only one of the reasons his grad students felt Piers deserved the award. Korey Conroy, a PhD candidate in Piers' lab, adds that Piers' "uninterrupted concern for the success of his students is clearly his motivation."

Piers is reluctant to talk about himself as an outstanding supervisor. "I care about the science and I care about (the research team)," he says. He notes that he makes an effort to keep on top of what his post doctoral, grad and undergrad students are doing, and makes himself available to give advice. He also likes to give his students the chance to get involved in the wider community by attending conferences and talking about their research results.

Piers says that his handle on supervision is partly a product of having "really good role models" when he was a

junior chemistry researcher at the University of British Columbia and the California Institute of Technology. Trial and error have also shaped his approach. "Finding out what motivates people and what really doesn't is something that you pick up over time," he says. "I've learned how to coax what I expect out of them."

As a classroom teacher, Piers admits he has high expectations. But some of the students appreciate this, he says. Piers teaches graduate level and fourth-year undergraduate chemistry. He has also coordinated the undergraduate research projects course in chemistry for four years.

In the lab, Piers tries to foster an environment where people are comfortable and can share their ideas, results and problems. Team players are the kind of graduates industry wants, he says. With 18 people currently working amid the bubbling flasks on the rows of benches in his basement lab, Piers says bringing the research team together outside of the lab environment is important.

Their excitement is infectious, he says. "It keeps me getting out of bed . . ."

■ Learning and U is a regular feature profiling excellent teaching.

## Team gets good reaction

Patricio Romero, a member of Warren Piers' research team, has found a way to make certain chemical reactions happen faster than ever before. The discovery could help industries turn junk plastic into useful products or more easily make pharmaceuticals.

Piers' group was working with a catalyst, a substance that speeds up the rate of chemical reactions, when they "stumbled by accident" into a way to improve it. By modifying the catalyst, the U of C researchers found they had made it much more active.

Materia Inc., the U.S. company that produces the original form of the catalyst, was excited to

learn of the Calgary team's results. University Technologies International Inc., or UTI, is facilitating Piers' connection with Materia in order to produce and market the new and improved catalyst.

A large amount of polyethylene plastic is made in Alberta, and Piers says the new version of the catalyst could be used to efficiently turn a by-product of polyethylene plastics production into tough, long-lasting materials. Such materials could be used in bulletproof vests, sporting goods or even road signs. Currently, petrochemical companies are stockpiling the byproduct because they have no use for it.



Drs. Alexander Lvovsky, Sergey Babichev and Barry Sanders are at the forefront of information security and developing a new paradigm in computing using their new laser assembly. / Photo by Ken Bendiktsen

# Institute links U of C to QUANTUM information revolution

By Greg Harris

The University of Calgary joined a small, elite group of universities worldwide this week when it launched the Institute for Quantum Information Science, a research unit dedicated to exploring the mind-bending nexus between computer science and quantum physics.

There are currently fewer than 10 such institutes around the world dedicated to this new and growing interdisciplinary field, which is providing breakthroughs in information security and contributing to a whole new paradigm in computing.

"Quantum information science deals with information processing, information transmission and information security," explains Dr. Barry Sanders, physicist and director of the new institute. "Although most of the developments to date relate to cryptography, the fact is that we don't yet know the full potential of quantum information science. The important thing is that it promises to be revolutionary – and Calgary will be there from the beginning."

The Institute for Quantum Information Science brings together U of C researchers from computer science, mathematics and physics who will conduct theoretical and experimental research. The institute is expected to attract top students, significant research funding and industrial partners. It will also provide an administrative framework enabling it to link with other quantum institutes, such as those at California Institute of Technology,

A quantum computer would be a nuclear bomb to the Internet ... A quantum computer could solve many of these mathematical problems that are currently impossible to crack.

– Dr. Barry Sanders

Cambridge University in the UK, and Canada's University of Waterloo, which is currently the only other Canadian university with an institute of this type.

"Quantum information science could eventually lead to the development of new materials, devices or other breakthroughs that no one has yet foreseen," Sanders says. Most researchers agree, however, that the development of a 'Quantum computer,' which would be capable of massive parallel processing on a single chip, is inevitable and

anywhere from 10 to 20 years away.

"A quantum computer would be a nuclear bomb to the Internet," Sanders says. "Right now our whole system of e-commerce is based on encryption methods that are too difficult for existing computing technology to attack. But a quantum computer could solve many of these mathematical problems that are currently impossible to crack, making the Internet insecure."

On the other hand, scientists have also already demonstrated that quantum cryptography guarantees that data can be transmitted publicly with 100 per cent unbreakable encryption – forever. "Even if there is an alien invasion by some species that has incredibly advanced technology, our information can be secure – at least as long as the quantum laws of the universe hold up," Sanders says.

Quantum information researchers investigate the mysterious nanoworld where particles can behave in very non-Newtonian ways. For example, current computing is based on information being digitized and exchanged in a linear stream of 1s and 0s. "Any of the technological improvements in computing that we see today are all designed to allow us to send more ones and zeroes down a particular channel, to send them faster, or to be able to encrypt them so they're secure," Sanders says. But with quantum computing, the 1s and 0s – the inputs – can be created and processed simultaneously, meaning an exponential increase in processing speed. Investors have

already recognized the great potential in the field. Quantum-based computer security systems are being commercialized by companies such as BBN Technologies, D-Wave Systems, id Quantique, and MagiQ Technologies Inc.

Quantum information and cryptography is an institutional priority at the U of C, and there is already a talented group of researchers working in the area. The talent base is growing, thanks to various federal, provincial, private sector and U of C initiatives.

Current faculty members who will be part of the Institute for Quantum Information Science include Dr. Richard Cleve (computer science), Dr. David Feder (physics and astronomy), Dr. Peter Høyer (computer science), Dr. Alex Lvovsky (physics and astronomy), Dr. Karl-Peter Marzlin (physics and astronomy), and Dr. John Watrous (computer science). Affiliated faculty members include Dr. David Hobill (physics and astronomy), Dr. Renate Scheidler (mathematics and statistics), Dr. Robert Thompson (physics and astronomy), and Dr. Hugh Williams (mathematics and statistics). Sanders, the director, is also iCORE Professor of Quantum Information Science.

Last spring, Sanders and his colleagues at the Australian National University captured international headlines when they demonstrated how to teleport data using quantum physics. This experiment employed crystals, lenses and mirrors to produce a pair of entangled laser beams that were then used to carry fragile information in the form of quantum states.

## Thank you donors



Student Emily Stevenson, donors and alumni Darryl & Peggy Proudfoot and student Nathan Cronin attended a Leadership Donor Recognition event this week to celebrate and thank donors for their generosity and commitment. / Photo by Sade Nasser

## MAKING NEWS

Political science professor **Barry Cooper** offered his comments on the Canadian government's deployment of the Disaster Assistance Relief Team (DART) to Sri Lanka recently in the Calgary Herald, saying "The chief lesson of the DART fiasco is an old one: just as you need real soldiers to do the peacekeeping, so, too, you need real military capabilities to do disaster relief. An equipped military would have its own heavy airlift (big C-17s that can fly to Sri Lanka or Indonesia, not antique C-130s that can't) and helicopters that can lift more than half a dozen soldiers. Ships from which to fly helicopters might also prove useful."

Kinesiology professor **Claudia Emes**, an expert on aging, told the Calgary Herald that seniors with chronic illnesses such as arthritis, Type II diabetes and heart disease

need to keep up their physical activity. "Physical activity can not only help prevent those kinds of illness, but it can also play an important role in managing one's health if one has those types of chronic illnesses. "Even with some of the debilitating chronic illnesses, some exercise can almost always be helpful."

University of Calgary political analyst **David Taras** said there's nothing abnormal about Premier Ralph Klein touring eastern Canada and talking to Toronto business leaders. In contrast to Liberal criticism that Klein has begun his farewell tour, Tara told the Calgary Sun that Klein is just doing his job. "I think this is just part of the job of the premier to go and talk to business executives and show the Alberta flag and to remind them of what a good place Alberta is to invest."

**Gordon Dixon**, emeritus, professor of medical biochemistry at the University of Calgary, weighed into the debate surrounding the discovery of another case of bovine spongiform encephalopathy (BSE) in a Canadian cow in a letter to the Globe and Mail. "A crucial question is whether these cases may be due to spontaneous mutation rather than infection from contaminated feed, as is usually assumed." Dixon added that if BSE can result from spontaneous mutation, as can be the case with Creutzfeldt-Jakob disease, then scientists should expect continued occurrences of BSE at a frequency of about one per million cattle, or six to 10 cases a year for the Canadian herd.

■ Compiled by Colleen Turner

Making News highlights staff and faculty featured in the media.

## Faculty get voicemail

While the rest of us were nibbling shortbread and drinking egg nog over the Christmas holidays, the staff in Information Technologies were putting the final touches on a project that gives all academic staff members access to personal voicemail.

Voicemail will be provided for academic staff who hold a Continuing, Contingent Term or Limited Term appointment at no cost to the department or faculty. The voicemail system, which was upgraded in December, also enables users to check for voice messages and receive faxes through the web.

"Now we're at the point of asking academic staff members who want the voicemail to contact us," said Glenn Wagner, Information Technologies' supervisor of voice systems.

In the past, departments, faculties and individual professors paid for academic staff members'

voicemail out of their own budgets, at a cost of \$8 per month per mailbox. As part of bargaining with the Faculty Association, an agreement was made last summer for the university to provide one voicemail for all interested academic staff members.

Sandy Repic, director of Information Management and Administration, said the voicemail project is designed to strengthen communication between faculty, students and staff. "We are interested in improving student access to academic staff and also help academic staff members stay connected to the campus community from wherever they are," she said.

Wagner estimated that about 800 academic staff members currently don't have voicemail. "Now we are trying to find out if they want it."

Along with the voicemail, all users will

also be able to view their message inbox via a web interface, accessed at [vvm.ucalgary.ca](http://vvm.ucalgary.ca). The system will give them a view of all their messages, and will allow them to play back messages over the computer speakers or through a telephone. Faxes can also be accessed through this web interface.

Wagner said IT has been working with 10 university departments over the past month determining who wants the free voicemail service. Any academic staff members who want the service are asked to contact their departmental Telecom representative. (A list of each department's Telecom contact is available at [www.ucalgary.ca/it/computing/netserv/voice.html](http://www.ucalgary.ca/it/computing/netserv/voice.html).)

"Then, once we know who wants the service, the real work of installing will begin," said Wagner.

## IN MEMORIAM U of C mourns longtime supporter

John Robert (Bud) McCaig was many things to many people.

He was an entrepreneur who built Trimac Corp. from a small trucking company into a major North American conglomerate. Last fall, he was inducted into the Calgary Business Hall of Fame for his inspiring leadership and community service.

He was a volunteer extraordinaire, serving on many boards and community organizations such as the Calgary Health Trust, where he was chairman emeritus. He oversaw a major restructuring of the Calgary Regional Health Authority while chairman from 1994 to 1998, accepting only \$1 a year for his work and donating his \$10,000 annual honorarium to the Health Trust.

He was one of the city's most ardent philanthropists, who provided leadership for, among many other ventures, the Project Motion campaign for the development of the Research Centre for Joint Injury and Arthritis and The Partners in Health Campaign, which raised \$54 million for health care and medical research. He was awarded the Order of Canada in 1999.

McCaig was also a great friend to the University of Calgary. With his wife Ann, the eighth chancellor of The University of Calgary and a member of the U of C's Board of Governors for 10 years, McCaig provided advice and support to numerous presidents, deans and faculty members on how the community and the University could work together to build a strong, vibrant and compassionate city.

"We are terribly saddened by this loss,



Bud McCaig

and the thoughts and prayers of all of us on campus go out to Ann and the kids," says U of C President Harvey Weingarten. "Bud was more than just a supporter of the U of C, he was a member of our family. He was unstinting in his commitment of time, wisdom and leadership."

McCaig, 75, died suddenly on January 11, while at his family's vacation home in Barbados.

His connections to the University of Calgary are long and deep. In 1998, he received an honorary doctor of laws degree from the U of C and later that year a Distinguished Business Leader Award from the Haskayne School of Business and the Calgary Chamber of Commerce. He was a member of the Chancellor's Club since 1992 and on the Faculty of Medicine Dean's Advisory Council since 1999.

He was known for being extraordinarily down-to-earth and friendly, a man who never let his success set him apart from others.

"Bud was a fine gentleman in every respect," says U of C Board of Governors Chairman and friend Brian MacNeill. "He was a firm believer and supporter of secondary

education in many ways, not just financial, but very giving of his time as well. We will miss his presence at the University."

McCaig donated millions of dollars to various initiatives at the U of C, including the McCaig Chair in Management in the Haskayne School of Business, the M. Ann McCaig Chancellor's Club Scholarship and the Sport Medicine Centre in 1991.

In 1999, the McCaigs established a fund to support research at the U of C's Faculty of Medicine through the McCaig Centre for Joint Injury and Arthritis Research. The couple also launched the McCaig Professorship Fund and Award in support of joint injury and arthritis research. Last March, McCaig kickstarted the Alberta Bone and Joint Institute with a stunning \$10-million donation. The Institute will be located at U of C and operate in partnership with the health regions, Alberta Health and Wellness, the Alberta Medical Association and Alberta universities.

"Bud believed passionately about giving back to the community and he led by example," says Gary Durbeniuk, chief development officer at the U of C. "He gave willingly of his time, talent and treasure to support numerous projects and people on campus. His spirit and example touched many of us and for that, we are a better community."

McCaig was born in Moose Jaw on June 14, 1929, and moved to Calgary in 1960. He has three children, Jeffery, Melanie and JoAnn. Ann McCaig also has three children, Roxanne, John and Jane.

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Postgraduate



# Prof researches minor hockey INJURIES

By Derek Sankey

The roaring cheers of fans in the stands, the stare between opponents as the puck is dropped – hockey is Canada's game, and youths across the country are playing it with everything they have. But with the thrill of the game comes the risk of injury, and debate is growing in the community about what can be done to help reduce the injury rates for children playing minor hockey.

"The whole bottom line is to get respect back on the ice," says Ken Moore, president of the Calgary Minor Hockey Association. The organization has felt growing concern among parents, players, coaches and fans as to what age hitting should be allowed. The problem is there's no solid baseline data on youth hockey injuries – until now.

Dr. Carolyn Emery, an assistant professor in the Faculty of Kinesiology at the U of C, is leading the Injury Surveillance System in Minor Hockey to track injury rates and sport participation. She hopes her team's data will yield valuable insight into how many kids are being injured and what injuries they sustain. The data ultimately will give decision-makers the knowledge required to implement improved safety measures.

The injury reporting system involves 80 teams in Calgary from Atom level (ages 9/10) up to Midget (ages 15/16) in all skill divisions. Hitting typically begins at age 11.

"A lot of initiatives have come forward from parents and coaches in minor hockey in terms of mandating things with respect to hitting, but we don't really have any baseline data where we go from the non-hitting to hitting situations to back up those movements," says Emery.

What researchers already know is that there are 29,000 hockey injuries requiring medical attention province wide each year. The Alberta Children's Hospital alone, which has a separate system for keeping track of such injuries, recorded 411 hockey-related injuries in 2002.

Hockey injuries have become a familiar sight for Dr. Kevin Johnson, an emergency room doctor at the Alberta Children's Hospital. He plays hockey himself, just like his son, who was recently drafted by the National Hockey League.

"The concerns about



Dr. Carolyn Emery is tracking injury rates and sport participation. / Photo by Ken Bendiktsen

concussions in all the sports are becoming pretty obvious and hockey is a big one," says Johnson. The immature brain is 60 times more sensitive than an adult's brain. A second or third hit to the head or jaw could more easily result in "catastrophic second impact" syndrome where players could potentially sustain permanent brain damage.

Emery's team will also look into the effectiveness of mouth guards, which were mandated this year in Calgary Minor Hockey.

The study was prompted by a number of people in the community who brought their concerns about injuries and on-ice violence to the attention of the Calgary Health Region. The CHR formed the Youth Ice Hockey Injuries Committee and is working with the U of C, minor hockey associations and other stakeholders to evaluate what, if any, action needs to be taken, says Ruth Kohut, of the Injury Prevention Department of the CHR.

"It will help determine what interventions we can implement and measure the impact of those interventions," says Kohut.

Emery says a medical form for pre-season assessment of risk factors, a weekly exposure sheet to document participation and individual injury report forms are being used in the collection process.

"We're trying to establish that we can collect valid data on injury and participation in community hockey and then we can look at the risk factors for injury," says Emery. The study will conclude sometime later this year.



Dr. Samuel Wiebe, the Kinsmen Chair in Pediatric Neurosciences, cuddles Emilie Puffer, whose seizures have stopped since Dr. Walter Hader, a U of C/CHR pediatric neurosurgeon operated on her when she was four months old. She's now 19 months old and seizure-free. Wiebe's ground-breaking research demonstrated that surgery can be more effective than drugs in treating some forms of epilepsy.

## Calgary welcomes first pediatric chair

### Dr. Samuel Wiebe will help children with injury and illness of the brain

**E**milie Puffer was just four months old when surgeons operated in an effort to end her epileptic seizures. Now 19 months old, she is seizure-free.

Dr. Samuel Wiebe, Canada's first Chair in Pediatric Neurosciences, paved the way for her recovery by proving that surgery is more effective than drug therapy in treating some epilepsy patients. Wiebe's ground-breaking research, published in the *New England Journal of Medicine*, has meant that neurosurgeons are operating on children with epilepsy to help cure them of their seizures at an increasingly young age.

"The brain is the seed of emotions, personality, vocations and creativity," said Wiebe. "Brain disorders not only produce physical disability but also hinder human potential. Our goal is to restore the brain to its maximum potential at as early an age as possible."

"It is better to operate on the brain before it is 'hard-wired'

in adulthood. A child's brain has an amazing capacity to repair itself after surgery and continue growing."

The new research chair, called the Kinsmen Chair in Pediatric Neurosciences, was announced last week at a joint event held by the Alberta Children's Hospital Foundation, the Kinsmen Club of Stampede City, the Kinsmen Care Foundation, the University of Calgary Faculty of Medicine and the

Calgary Health Region.

"We are thrilled to have recruited such an outstanding clinical scientist to join our neurosciences group," says Dr. Brent Scott, head of pediatrics at the Calgary Health Region and the University of Calgary Faculty of Medicine. "His leadership of the research team will enable children and families in our community to be the first to benefit from new discoveries and treatments."

The new research chair was created as part of the All For One. All For Kids. campaign for the new Alberta Children's Hospital. It

brings together a collaborative team including molecular biologists, pediatric and adult neurologists, neurosurgeons, imaging scientists, psychologists, psychiatrists and radiologists. The team meets weekly to review videos, EEG's, MRI scans, nuclear medicine scans and brain function results of children suffering from brain and spinal conditions – with a focus on developing new leading-edge treatments.

"We have high hopes that the creation of this chair will mean better care for children in our community," says Robin Stanton, president of the Kinsmen Club of Stampede City. "It is extremely rewarding to know that this team is now setting the Canadian standard of collaborative neurosciences care and innovation."

#### Summer Camp Jobs in the U.S.A.

Lakeside Residential Girls Camp in Maine - Visas Arranged

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# INTERNATIONAL SCHOLARS choose U of C

Story and photos by Natalie St-Denis

Scholars from around the world have chosen the University of Calgary as their place of choice for expanding their research and sharing their knowledge with a new community.

Their initial reasons for choosing U of C vary. Some heard about a certain program or researcher through

word of mouth, others had previously established connections and a few relied on U of C's strong reputation within their academic circle. The nature of their time at U of C is very much about learning, teaching and collaborating. It is an opportunity for researchers from various cultures to get to know each other, to share their knowledge and perspectives – and for visiting scholars to take a little piece of Canadian culture back to their home university when they return.



## Li Liang Xiao loves to teach

Li Liang Xiao, president of the Teaching College at Laodong University in the Laoning Province of China, is presently working on her PhD in econometrics. Xiao's background is in mathematics but her heart is definitely in teaching. "I love the teaching styles here; students can ask questions whenever they want. In China, students must stand from their seat and wait to be addressed by the teacher before speaking," explains Xiao. She is here for one year on an exchange program, going to eight classes a week and feverishly learning English at the same time.

"I'm learning so much and the professors here are so kind and patient, and the research is hot," says Xiao.

Xiao is investigating the relationship between energy consumption and economic development. After returning to China in October 2005, she hopes to introduce some new teaching techniques at the teaching college where she works. "It will be hard to get students used to a new teaching model; they aren't used to that kind of freedom in the classroom. But as a teacher, I hope to help shift the teaching style; it's good to encourage students to ask lots of questions, they'll learn more this way," says Xiao.

## Bang-Ook Jun wants to communicate about science and technology in Korea

Biologist Bang-Ook Jun from South Korea is a visiting scholar with the Faculty of Communication and Culture. As a plant biologist for the last 18 years at the Kangnung National University, he has become increasingly disturbed by the lack of ethics used by colleagues researching cloning techniques. "In South Korea, none of the scientists have looked at the potential dangers, social impact or the bioethics in developing cloning technologies," says Bang-Ook. Bang-Ook came to the U of C to hone his skills in communications. He wants to clearly articulate scientific ideas to help with the develop-

ment of science and technology policies in his home country. When Bang-Ook returns to his home university this February, he will also continue working with a civic group with which he has been an active member for the last 10 years and whose mandate is to bring forward the concepts of democratic and responsible science to the greater public. "I've really enjoyed being here and I'm a bit sad to be heading back to Korea; life is much more competitive and difficult back home," admits Bang-Ook, who will maintain his link with Calgary by returning during South Korea's long summer vacations.





Laurent Imbert came to U of C for cryptic reasons

"I was at U of C during my post-doc and had started so many interesting projects, that I had to come back and finish what I had started three years ago," says Laurent Imbert, who has just extended his visiting scholar status for one more year. When in France, Imbert is a researcher with the Centre National de Recherche Scientifique and affiliated with the Université Montpellier.

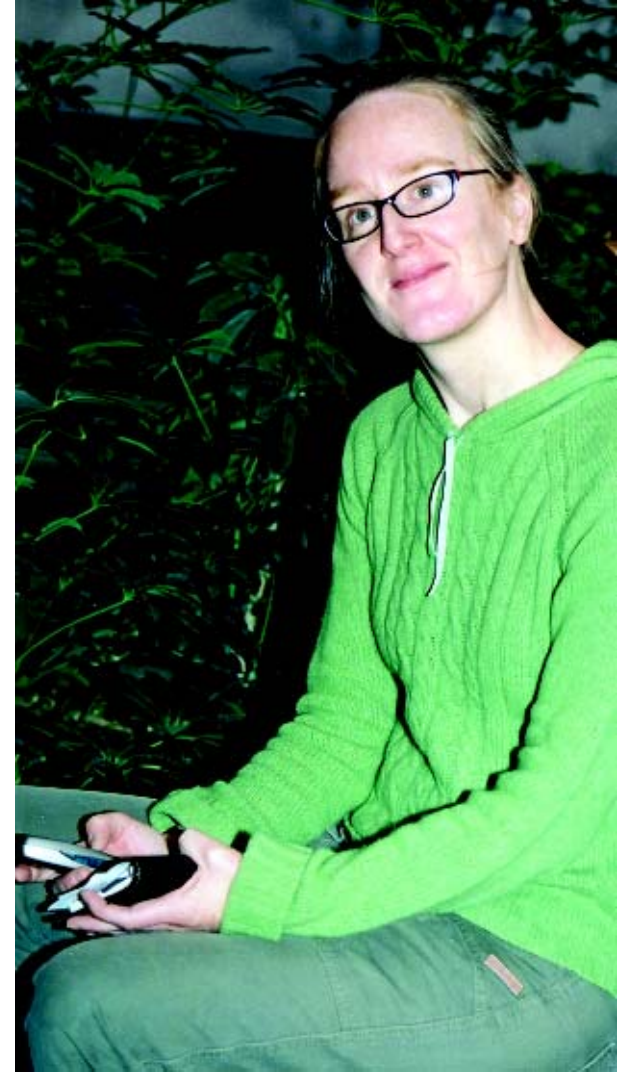
His main area of study is cryptography. While at the U of C, Imbert has developed research projects with the ATIPS (Advanced Technology Information Processing Systems) and the CISaC (Centre for Information Security and Cryptography) laboratories. "I've become a bit of a middle man, trying to connect theoretical and applied concepts from both areas, the mathematical side and the hardware side of

cryptography," explains Imbert. Imbert is interested in developing faster and more secure systems needed in these times when security has become a big issue worldwide. At the end of December 2005, Imbert will return to his lab in Montpellier, the Laboratoire Informatique Robotique et Micro-électronique, but will continue to collaborate with colleagues at the U of C.

MJ Thompson finishes off PhD

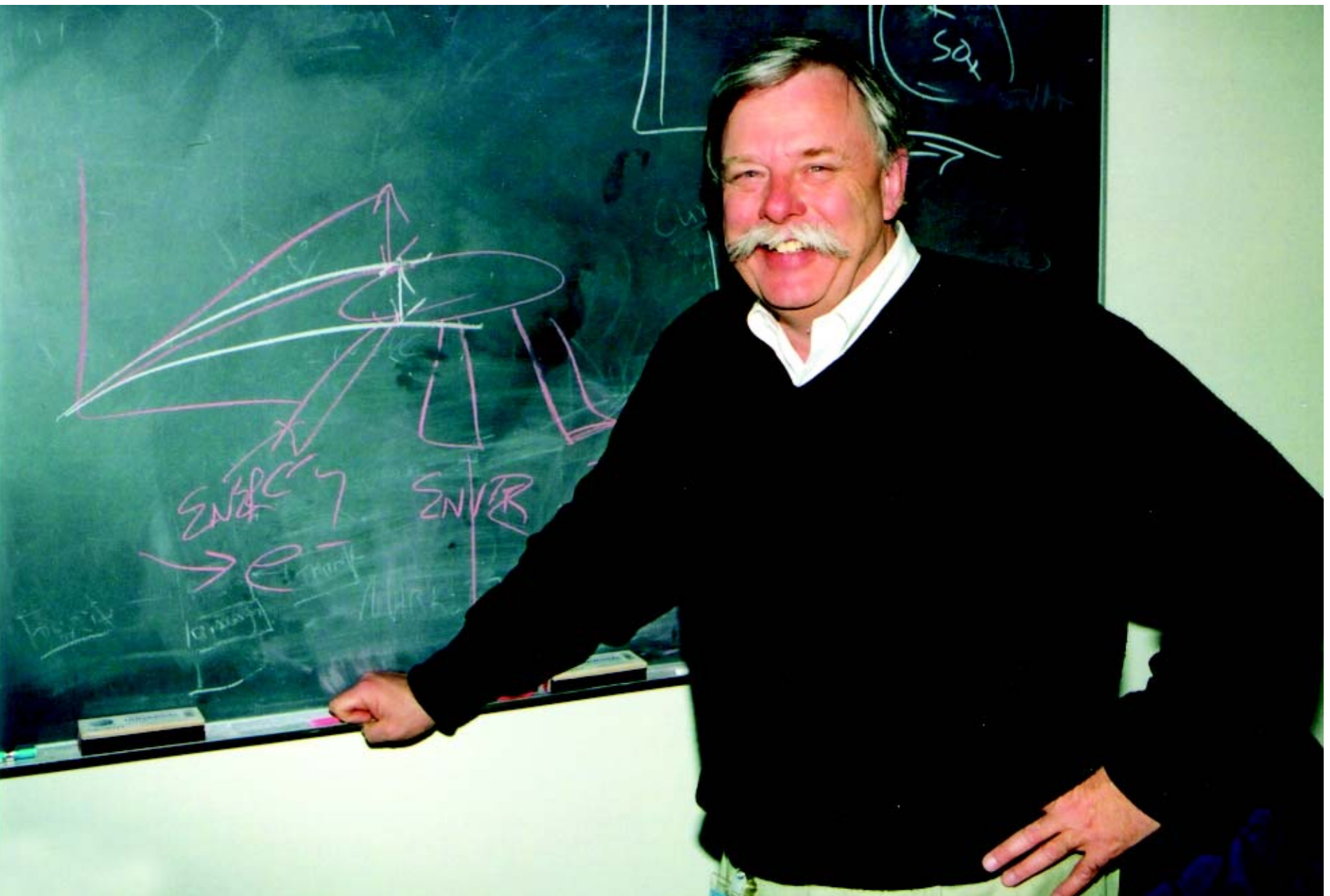
MJ Thompson, assistant professor of dance history at Marymount Manhattan, College of the Liberal Arts in New York is a native of Ottawa. She went to New York in 1997 to pursue a PhD in performance studies and ended up studying and teaching simultaneously. She expects to finish her PhD this spring. Thompson came to the U of C for a short but intensive sprint, from January 1 to 7, giving a crash course in performance studies for undergraduate students.

"Although I'm not in Calgary for the rest of the term, students have a month to write up their research paper and critique, which I will be marking thereafter," says Thompson. Thompson became interested in dance and its impact on society at a time when dance in Canada was increasingly becoming experimental and evolving into new genres. She started as a writer for a dance magazine, which fed her passion for the performing arts and which eventually led to her curiosity about its



role in society. "I'm really interested in understanding how dance percolates into everyday life. And how

dance has implications in the culture of politics, such as the politics of racism and of criticism."



Michal Moore shares knowledge on renewable energy

Michal Moore has left his post as chief economist at the National Renewable Energy in Golden Colorado to explore uncharted territory at U of C's Institute for Sustainable Energy, Environment and Economy. A man of proven vision and great

ideas, he comes to the U of C with a trail of success in the public and private sectors in economic analysis and research. He is excited to be here for at least one year, to share his knowledge on renewable and alternative energy markets as well

as his creative approach to problem solving. "There are great opportunities here to create something new, a new paradigm to solve energy problems, a new way of looking at energy supply and consumption, which could eventually

become a national or even international model," says Moore. With boundless energy himself, Moore holds a current private pilot's licence, is an active mountaineer and writes and illustrates children's stories. Moore's mission while at the institute is to help bridge the gap

between environmental concerns and emerging technologies. Energy efficiency is part of that puzzle, it's all about supply and demand," says Moore. He'll be doing a lot of thinking while at U of C, and neighbouring colleagues to his office will know when he's doing just that - thinking. "I have to

write out my ideas on the blackboard as I'm working through thoughts," says Moore. And as the chalk hits the blackboard it will resonate next door. He could have had a modern whiteboard and markers, but the blackboard has been a constant throughout his life, and he likes it that way.

# Prof rebuilds wartorn cities

By Colleen Turner

A University of Calgary professor with a passion for international development has turned her attention to Serbia and Montenegro.

Dr. Sasha Tsenkova, associate professor in the Faculty of Environmental Design, is leading a team of eight international experts who this spring will present a series of recommendations aimed at creating a new housing policy framework for Serbia and Montenegro. The project is carried under the auspices of the United Nations Economic Commission for Europe in Geneva.

"It's a privilege, but also a challenge," said Tsenkova, who has a long history of helping countries in transition develop new housing policy. She has worked in more than 15 countries in central and eastern Europe, including post-Soviet Latvia and Lithuania, and is also the principal researcher of a Council of Europe-commissioned study looking at housing reforms in eight southeastern European countries.

The housing sector and its infrastructure in Serbia and Montenegro has to respond to the traditional pressures associated with a transition from a centrally planned to a market economy aggravated by years of conflict, civil war and UN sanctions. Bombs have destroyed many communities, a situation worsened by poverty and the fledgling democratic process.

"Politically, it is a very challenging situation. It is a fragile democracy," said Tsenkova. Last November, Tsenkova and the other international housing experts travelled to Serbia and Montenegro, visiting housing developments and speaking with high-ranking government officials and NGOs already working in the area. The group is now finalizing its assessment of housing market performance and policy recommendations that will be presented in May to local and international institutions. Ultimately the study maps out a reform trajectory that will create the building blocks of a new housing system.

"The country has been torn by political and ethnic conflict," said Tsenkova. "It has been under UN sanctions and poverty is a very big problem."

Unemployment in the country of about 7.5 million people is officially estimated at 30 per cent, however unofficially, the rate is about 60 per cent. Many Serbians remain on state government payrolls, but aren't working and aren't being paid. The grey economy is estimated to be up to



Dr. Sasha Tsenkova

40 per cent of the GDP. Despite widespread economic difficulties and poverty, the housing tradition is to build concrete and brick homes – housing construction that is more expensive than wood frames and also takes much longer to build. The movement to big cities for employment and opportunities has left a lot of good quality homes vacant, while in Belgrade the housing shortage is significant. Apartments sell for 80-100,000 Euro, 12-15 times the average annual salary. Tsenkova said internally displaced persons – estimated at about 500,000 – add to the challenge. "There has been hope that conflict in Kosovo would be resolved, but everyone knows now that the Serbs and Croats from different parts of Bosnia, Herzegovina and Kosovo are not going back. Now they need to be housed and integrated among the rest of the society."

In some parts of Serbia, people are taking matters in their own hands, and have constructed large peri-urban areas outside of major centres such as Belgrade. Refugees have built their own two- and three-storey homes that have been illegally connected to infrastructure services.

"It is a bottom-up approach to the problem. People are very resourceful when the state is not very helpful," said Tsenkova.

Tsenkova's task is to provide a housing assessment for both Serbia and Montenegro that includes a comprehensive profile of the housing sector, including the major challenges for reforms of the institutional, legal and financial framework.

The team is also working on recommendations to improve the environment so the housing market is more effective and sustainable.

"It's a tough reality," she said. "Access to affordable and adequate housing is so important. It's essential to the social and economic wellbeing of any society. And yet it's so expensive to provide."

## ■ HOT TOPIC

Prince Harry's decision to wear a swastika at a private costume party has stirred up controversy. In your opinion, was this incident a lapse in judgement, a lapse in accountability or just blown out of proportion?

**Douglas Peers**  
Professor, Department of History

There can be no denying the fact that Prince Harry's wearing of the swastika (dubbed "When Harry Met Nazis" by one columnist) was a serious lapse of judgement, an action that has been justly condemned by many. At the same time, we should take note of the role played by the British media in all this. The British press has long exhibited a fascination with the lesser royals, and, in particular, they have obsessed over the lifestyles of the male heirs to the throne. One only has to look at the newspaper coverage of the sons of George III or Victoria to see that there is a familiar pattern. The death of Diana, and the subsequent public outcry against the paparazzi who many felt had not

only profited from but even contributed to her death, led to an unofficial truce between the press and the Royal Family. The truce did not last, nor could it have, for in the end Harry's capacity for blundering about in public stoked public fascination with royalty and fed the media's insatiable appetite for salacious stories of the young princes.

**Holger Herwig**  
Professor, Centre for Military & Strategic Studies

Youth must have its fling. Youth will have its fling. I shudder to look back five decades on my own – mostly foolish. BUT, when you are being feted in grand style by the taxpayers of the Commonwealth, including Canada, some standards do apply. And when your family is almost purely German – mother a cross between

the House of Hannover and that of Saxe-Coburg-Gotha that only changed its name to Windsor in 1917, and father a straight cross between Oldenburg and Battenberg, likewise changed to Mounbatten only in World War I – some care is called for. Last time I looked Hitler and his Holocaust had been discredited not to mention defeated.

**Bert Deyell**  
Professor, Faculty of Communications & Culture

Prince Harry has lived in a gold fishbowl from birth. The perhaps Faustian bargain for all British royalty is incredible privilege in exchange for loss of privacy. There is no private space, no private party, for a son of Prince Charles, grandson of the richest woman in the world, to inhabit. His life – and I mean all of it – is public property, unless as an adult, like the Duke of Windsor, he chooses to give up his title. Even then it wouldn't work; he'd still be a celebrity for life. So, when Prince Harry decides to "go Aryan," his disgrace is public. A lapse in judgment excuse might suit the tastes of some Royal Family watchers but many others might remember the sympa-

thy to Nazi views expressed among a few of the Prince's ancestors. The memory of his mother's work with eliminating land mines won't shield him either. This prank has blown up in his face.

What can he do? He can apologise to Jewish people everywhere. He can apologize to us, his loyal subjects. And he can apologise, in public, to the memory of his mother – her record of tolerance, peace and understanding, exhibited in stopping land mines. He also needs to go beyond words alone, though; he might consider work on a kibbutz, if they'll have him. I'm sure Israelis would be among the first to forgive him; they've had too much practice.

That thought raises an interesting question: Why not time on a kibbutz for all young royalty rather than customary boot camp? Then this incident could serve as a step towards positive change rather than just another reason for Canada to become a republic.

■ Compiled by Latha Attawar

Hot Topic asks U of C experts their views on news of the week.

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# Teams make a run at SOMETHING SPECIAL

By Kris Kotarski

On May 4, 2004 Dan Vanhooren and Kevin Boyles raised a toast to a successful 2003/04 season.

Vanhooren had just finished his fourth year as head coach of the U of C Dinos men's basketball team and was celebrating his first Canada West Conference Championship and a third-place finish at the National Championships in Halifax.

Boyles, hired a year before Vanhooren, quipped that he was one year ahead. His U of C women's volleyball team had won their first national title under his watch and his star player, Joanna Niemczewska, had just been named top female Canadian university athlete at the season-ending BLG Awards in Calgary.

Nearly eight months later, both coaches still have a lot to smile about. Vanhooren's team sits atop their division at 8-4, no small feat considering star guard Whit Hornsberger has played in only one game this season due to injury. Boyles' grin is even wider. His volleyball team has yet to lose this season, and at 14-0 they are ranked first in the country.

"After we beat UBC (ranked #2 by Canadian Interuniversity Sport) two straight last weekend, we had a discus-

sion about needing to recognize that we're in the middle of something special," says Boyles. "There has never been a back-to-back women's volleyball national champion at the U of C. We know that we're already among the best; now we're making a run at doing something really special."

"We didn't go into it thinking that we're going to have an undefeated season," chuckles star setter Natalie Schwartz. "But our coach talked to us - after the UBC games - about having a chance of being one of those great dynasty teams. It's certainly worth working toward."

With home court advantage at the conference championships almost in the bag, Boyles' team has been untouchable thus far. But one more regular season challenge looms on the horizon - a trip to Edmonton to battle the #4 University of Alberta Pandas lays sandwiched between two sets of home games the Dinos expect to win.

"It has been many years since we have taken a double header up in Edmonton," says Boyles. "Their gym is very hard to play in - it's hostile and it's loud. But our rivalry with Alberta is pretty easy to get motivated for. Not only have the players played against each other so many times, we

have also won the last four Conference Championships between us so it's always been a battle at the highest level."

For coach Vanhooren, every week has been a battle to prove that defending his Conference Championship is not a pipe dream despite losing his starting backcourt. After the graduation of perennial all star John Riad and Hornsberger's season-long injury, Vanhooren's men have played with a lot of pride.

"A lot of problems - injury problems among them - are solved by winning," says Vanhooren. "And we have had a lot of success thus far. We have some great leadership on the team - guys stepping in and leading by example. Three important players - Jon Salgado, Surinder Grewal and Chris Wright - have all stepped in, in their own ways."

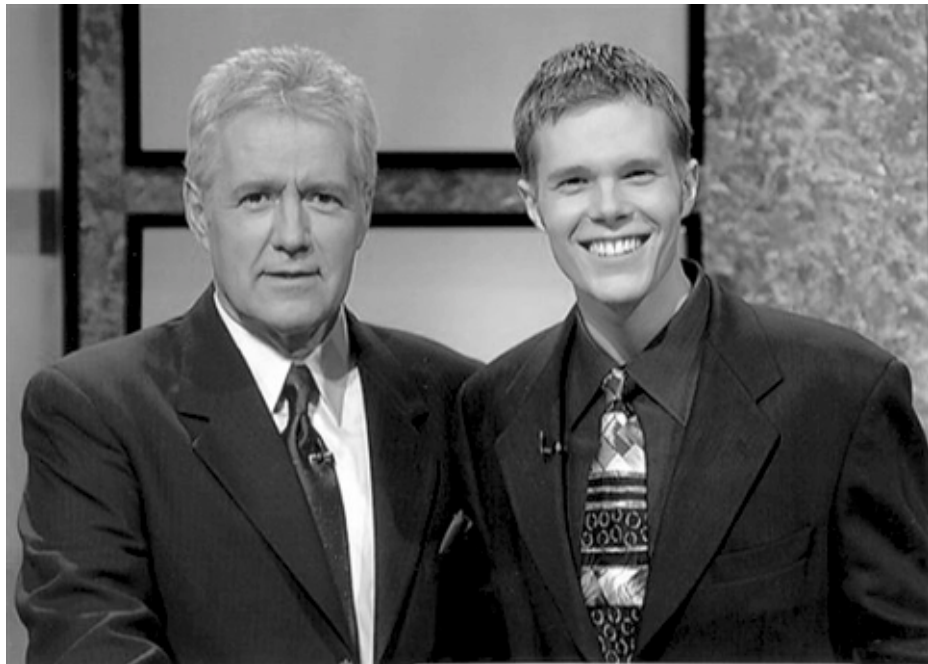
For Vanhooren, the ultimate goal is still to make the National Championship Final Eight in Halifax at the end of March and to make another run at the U of C's first men's basketball national championship.

"We think about it, but we don't want to be caught daydreaming. For the rest of the season, we want to win games, and we want to host the playoffs. After that, we can start thinking about bigger things again."



Dinos guard Surinder Grewal leaps for the basket during a game against University of Alberta. His team leads their division with an 8-4 season. / Photo by Pablo Galvez, capturedmemories.ca

## I'll have High Achievers for \$8,400 please, Alex



Alex Trebek poses with U of C alumnus Chris Mason after his appearance on Jeopardy. / Photo courtesy of Chris Mason

By Kirk Thurbide

Chris Mason, BSc'00 (Eng), doesn't fit the stereotype of the introverted, pocket-protector-wearing engineer shown on TV and movies. But from a young age, he has dreamed of the day he would make his television debut.

"I remember a time where a category on Russian history came up. I was in Grade 9 at the time, and I had learned about Russian history in social studies a couple of weeks prior to this particular show. I ended up running the category and I remember my Mom being amazed. I decided at that moment that I was going to be on Jeopardy."

His dream came true

this summer when Mason appeared alongside the longest running Jeopardy champion in the show's history, Ken Jennings.

"Playing Jeopardy against Ken was like playing golf against Tiger Woods," said Mason of his Jeopardy experience. "Ken commented to me at the break that I was really sharp on the buzzer. Unfortunately, he was sharper in the last half of the game and easily won our match."

Mason answered 16 right and three wrong for a second-place finish with \$8,400.

His appearance on Jeopardy wasn't the first time that Mason showed his competitive side. He has competed nationally in bowling, won a Chemistry World Olympiad medal, received honourable mention for cancer research in high school, graduated at the top of his university class and

earned a master's degree in electrical engineering at Stanford University.

As if he weren't busy enough with his own achievements, Mason goes out of his way to help others achieve their own academic goals. In 2001, he co-founded Merit Academic Services, where he tutors students in math and science. "I continue to tutor because I enjoy the thrill of helping students overcome roadblocks in their studies. Tutoring is an incredibly rewarding experience. For me, this is one of the greatest feelings. I love to help students improve and gain confidence in courses that they struggle in."

Mason is a living example of the company philosophy that students learn by attempting and making mistakes. Of the 19 questions he attempted on Jeopardy, you can bet he'll never forget the answers to the three he got wrong.



Trudy Pudsey didn't want to sit around playing cards, so she dealt herself a new hand and signed up for the Avid Learners program at U of C. / Photo by Ken Bendiktsen

## Senior becomes avid learner

By Colleen Turner

**D**ance lessons and bridge with fellow seniors weren't what Trudy Pudsey had in mind for her retirement.

And so, after years of working as an accountant with jean giant GWG and later volunteering with a local community centre, she enrolled in the University of Calgary's Avid Learner's Academy. "I decided to start with archaeology and see what happens," said Pudsey, who has since studied anthropology and political science.

Pudsey's return to university came several decades after she studied commerce and accounting at the University of Saskatchewan immediately following the end of the Second World War. After spending several years with the air force, where she'd been trained in payroll, Pudsey joined other veterans and took advantage of a federal government program that offered free tuition. "That was a long time ago," said Pudsey, who will turn 80 in February.

Trudy Pudsey is enrolled in the Avid Learners Academy that targets adults who want to learn for the sake of learning

"I don't remember all that much about the classes, except that we were all jammed in there. And I had to write exams. Here I don't have to. I like that. There's a lot of stress in writing exams."

Pudsey is one of about 100 students enrolled annually in the Avid Learners Academy. The program allows adults over the age of 21 to access regular university credit courses on a non-credit basis through University of Calgary Continuing Education. The courses target adults

who want to learn for the sake of learning.

Pudsey's interest in archaeology linked to her own roots. Her mother died when she was four years old and she was raised by her father and aunts in Maymount, a town of about 250 in rural Saskatchewan.

"I thought I might be able to fill in some blanks about my own heritage," said Pudsey, whose family is a blend of Nordic and Germanic influences.

That first course led to anthropology, and she recently completed a political science course.

"Anthropology was great because it gives you an idea of what is going on in the world, and it was interesting to see how my people fit in with the rest of the world."

Pudsey's contemplating other courses at the university and also considering a move to Edmonton, where one of her three children live.

"I'm not sure what I want to study next," said Pudsey. "There's a lot out there to learn."

## OFF CAMPUS

### Harvard hires "fun czar"

Following complaints that it does little to promote campus social life, Harvard University has hired its first "fun czar" — Zac Corker, a recent Harvard graduate whose job is to build community spirit and help stressed-out students unwind.

Corker knows a few things about kicking back. As an undergraduate, he helped organize numerous social events and put

together a website to protect students' "right to party."

Described by the student government chief as "a creative schemer," Corker has gone from student to administrator in a few short months. In exchange for room, board and a modest stipend, he now serves as the go-to guy for students who have ideas about social events but can't navigate the school bureaucracy and bring them to fruition.

One week might see Corker putting the final touches on a speed-dating event; the next, he'll be working with students to organize a dodgeball tournament.

Harvard administration defended blame for the students' drive.

"It's not us," said Judith Kidd, associate dean at Harvard University. "They arrived needing help having fun."

— Reuters

Off Campus offers news in brief from universities around the world.

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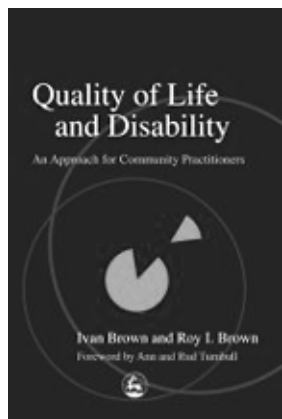
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■ HOT OFF THE PRESS



**Quality of Life and Disability: An Approach for Community Practitioners**  
By Ivan Brown and Roy I. Brown  
Publisher, London: Jessica Kingsley, 2003

Quality of life – physical, psychological and environmental well-being – is a crucial consideration for professionals working with people with a disability. The authors apply ideas about quality of life to the field of disability to assist front-line professionals, managers and policy-makers in effective service provision. The authors examine the historical context of the concept of quality of life and discuss its application in the daily lives of people who are disabled. The authors use recent studies to show how the development of quality of life models have led to changes in rehabilitation and how an understanding of the issue can inform practice in assessment, intervention, manage-

ment and policy. This is an indispensable book for all practitioners and managers working with people with disabilities.

Psychologist Dr. Roy Brown is an emeritus professor at U of C and executive director of the Vocational Rehabilitation Research Institute. He has received several awards for his contributions to the study of disabilities, including the Order of the University of Calgary.

Dr. Ivan Brown, an internationally recognized expert in quality of life and disability, has published widely on the topic. Brown is associate professor in the Faculty of Social Work, University of Toronto, and manager of the Centre of Excellence for Child Welfare, a national Canadian centre for policy development and research.

**Women, Modernism, and Performance**  
By Penny Farfan  
Publisher, Cambridge University Press, 2004

*Women, Modernism, and Performance* is an interdisciplinary study that looks at a variety of texts and modes of performance in order to clarify the position of women within – and in relation to – modern theatre history. Considering drama, fiction and dance, as well as a range of performance events such as suffrage demonstrations, lectures and legal trials, Penny Farfan expands on theatre historical



narratives that note the centrality of female characters in male-authored modern plays but that do not address the efforts of female artists to develop alternatives both to mainstream theatre practice and to the patriarchal avant-garde. Focusing on Henrik Ibsen, Elizabeth Robins, Ellen Terry, Virginia Woolf, Djuna Barnes, Edith Craig, Radclyffe Hall and Isadora Duncan, Farfan identifies different objectives, strategies, possibilities, and limitations of feminist-modernist performance practice and suggests how the artists in question transformed the representation of gender in art and life.

Associate professor Dr. Penny Farfan holds a joint appointment in Drama and English in the Faculties of Fine Arts and Humanities. Her research focuses on women and performance in the late 19th and early 20th centuries and on contemporary feminist drama.

■ CLASSIFIED

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# Tsunami's seismic waves felt in Alberta

By Dennis Urquhart

Seismic waves from the massive December 26 Asian earthquake were felt in southern Alberta.

"We first started to receive the seismic waves in Alberta about 16 minutes after the earthquake," says Dr. Edward Krebs, a professor in the Department of Geology and Geophysics. "These were relatively weak waves, but they were followed by much stronger waves a few minutes later."

The earthquake was the largest in nearly 40 years

and was caused when the Earth's Eurasian and Australian tectonic plates suddenly shifted against each other in the Indian Ocean north of Sumatra.

Krebs has analyzed about 30 minutes of seismic waves recorded by a seismograph at Waterton Lakes, which is part of the Canadian National Seismograph Network. The data were obtained with the assistance of technical staff Malcolm Bertram and Henry Bland in Geology and Geophysics.

Seismic waves are

sound waves of energy travelling through the interior of the Earth. They are caused by explosions or the sudden breaking of rock within the Earth.

Krebs says that he will use the historic December 26 seismogram in his undergrad course on global geophysics.



## Dr R. G. (Randy) Goebel President and CEO



The Alberta Informatics Circle of Research Excellence (iCORE) is pleased to announce the appointment of Dr R. G. (Randy) Goebel as President and CEO. Dr Goebel has been seconded from his role as Professor and Chair in the Department of Computing Science at the University of Alberta, effective January 2005. Dr Goebel is a well-respected academic with an international reputation, broad experience working with industry, global research connections and a talent for strategy, innovation and bridge-building. His research is focused on the theory and application of intelligent systems, such as web mining, machine learning and visualization. He is on the board of directors of net-linx ([www.net-linx.com](http://www.net-linx.com)), an international publishing software company, and on the board of PRECARN Associates ([www.precarn.ca](http://www.precarn.ca)), a national, member-owned industrial consortium supporting the development of intelligent systems technologies. He is co-author with David Poole and Alan Mackworth of a widely used textbook, *Computational Intelligence: A Logical Approach*, published by Oxford University Press. He is also the editor of *Computational Intelligence*, an international journal published by Blackwell, and past member of the editorial board of *AI Communications*, the European journal on artificial intelligence. He received his BSc (Computer Science) from the University of Regina, his MSc (Computing Science) from the University of Alberta, and PhD (Computer Science) from the University of British Columbia.

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**If you are interested in being part of the Continuing Education Travel Studies program, call Lois Kokoski at 220-5052 or e-mail [kokoski@ucalgary.ca](mailto:kokoski@ucalgary.ca)**

Travel Studies has been taking Calgarians around the world since 1977. Join us to give lifelong learners their "trip of a lifetime!"



## WHAT'S ON JAN. 21 - 30

Fri., Jan. 21

9 am - 5 pm **Quantum Information Science Festival and Launch of the Institute for Quantum Information Science.**

Registration:  
www.iqis.org/registration.  
Rozsa Centre.

6 pm **VBALL: Dinos Volleyball.** Women play at 6; Men play at 8. Jack Simpson Gym.

7:30 pm **FILM: The Best of Banff Festival of Mountain Films.**

Presented by National Geographic; Dunham & The Hostel Shop. Tix: general \$17, call 283-8311. Runs until Saturday. Eckhardt-Gramatte Hall, Rozsa Centre.

Sat., Jan. 22

6 pm **SPORTS: Dinos Volleyball.** Women play at 6; Men play at 8. Jack Simpson Gym.

7:30 pm **CONCERT: Sum 41 w/ guests.** Sponsored by Students' Union & Clear Channel Entertainment. Tix: \$29.50 at Ticketmaster. All ages. Doors open 6:30. The Sun Centre.

Sun., Jan. 23

2 pm & 7:30 pm **FILM: The Best of Banff Festival of Mountain Films.** See Sat., Jan. 21 for details.

7:30 pm **MUSIC: Las Musas de Andalucia.** Mountain View Connection. Tix: adults \$20; students/seniors/members \$15 at Campus Ticket Centre. Info: 240-4174. Eckhardt-Gramatte Hall, Rozsa Centre.

Mon., Jan. 24

1 - 4 pm **Westgrid Research Exchange - Collaborating with Colleagues Using Advanced Technology.** Speakers: Andrew Patrick, National Research Council; Maria Lantin, Banff Centre; and Daniela Sirbu, U of Lethbridge. Social Sciences 202.

3 pm **EVENT: The Kula Ring** (Undergraduate Anthropology Club) will be hosting Victor Reece, who uses mask, puppetry, story-telling (oral history) & songs to recount the history & tradition of the Tsimpsian People. Tix: \$10 at door or at the Kula Ring office (across hall from SS 854). Social Sciences 816.

8 pm **JAZZ MUSIC: Hugh Fraser Quintet.** Tix: adults \$15; students/seniors \$10 at Campus Ticket Centre. University Theatre.

Wed., Jan. 26

12 noon **LECTURE: Health and Variation in Prehistoric Siberians.** Andrea Waters-Rist. Archaeology & the Chacmool Association. Earth Sciences 920.

2 - 4:30 pm **FORUM: Graduate Student Forum.** Grad students present their research on aspects of second & foreign languages. Info: 210-8550. Language Research Centre, CHD 420.

3 - 5 pm **RETIREMENT: Retirement Reception for Louise Hamilton,** Research Services. RSVP 220-5925 or 220-6354. Atrium, Administration Building.

Thur., Jan. 27

**CONFERENCE: John Cage Conference.** Guest speakers include Gordon Mumma, Dr. David Nicholls & Dr. Mitchel Morris. Runs until Saturday. Info: http://cage.ffa.ucalgary.ca.

12 noon **TALK: What's Hot, and Getting Hotter in Computer Security?** Dr. Tom Keenan. Centre for Information Security & Cryptography and Centre for Military and Strategic Studies. Bio Sciences 587.

Fri., Jan. 28

12 noon **TALK: Violence and Order in the Midst of State Collapse.** Dr. William Reno, Northwestern University. Social Sciences 729.

1 pm **INFORMATION SESSION: Work Smart. Work Safe. Workers Compensation Claims at the U of C.** Dave Porcu, Health & Wellness adviser. Register at 220-3156. Staff Wellness Centre. Murray Fraser Hall 3360.

3 pm **SEMINAR: TBA.** Annabel Robinson, University of Regina. Greek and Roman Studies. Social Sciences 1339.

6 pm **SPORTS: Dinos Basketball.** Women play at 6; Men play at 8. Jack Simpson Gym.



The Hugh Fraser Quintet has been called "the hottest band in the country."

## Quintet bops into University Theatre

By Tokie Onoda

The inaugural year of Jazz at the Theatre, the U of C Monday Night Jazz series, continues with Juno Award-winner Hugh Fraser with his Quintet on January 24.

Described as "the hottest band in the country" BY The Globe and Mail, this excitingly original Canadian jazz ensemble was formed in 1987 by the dynamic composer, trombonist

and pianist Hugh Fraser. A vivacious hard-bop-based group, the Hugh Fraser Quintet tours Europe, North and South America annually. It has travelled widely in Canada, and in 1990 undertook its first U.S. tour.

On Monday, Hugh Fraser Quintet will present an evening of "Musical Portraits," which consists of a tribute to Fraser's musical heroes and

dedications to the members of the Quintet (all compositions and arrangements are by Fraser). This unique concert was recently broadcast on CBC Radio Two's OnStage, which features performances by Canada's leading artists, often in collaboration with internationally acclaimed musicians.

Fraser will showcase another award-winning musician, alto saxo-

phonist Campbell Ryga, in this concert.

Thought by many to be one of the best saxophonists on the planet, the duo and rhythm section will inspire and entertain in this second concert of the series. His virtuosity is breath-taking and his humour undeniable.

The performance is at 8 pm in the University Theatre. Tickets are \$15 (adults) and \$10 (seniors and students) and available through Campus Ticket Centre at 220-7202 or at the door. For more information call 220-4999 or visit www.ffa.ucalgary.ca

7:30 pm **LECTURE: The Falling Apple, the Circling Moon and the Fixed Stars: the Creative Imagination of Jane Harrison.**

Annabel Robinson, University of Regina. Calgary Society for Mediterranean Studies. Info: 220-7068. Tix: members free; general \$4; students \$2, at door. Murray Fraser Hall 160.

Sat., Jan. 29

6 pm **SPORTS: Dinos Basketball.** Women play at 6; Men play at 8. Jack Simpson Gym.

7 pm **DANCE: Spread Your Wings!** Dance With France Productions. Tix: \$20-\$17, call 243-2111. University Theatre.

Sun., Jan. 30

2 pm **THEATRE: Maurice Sendak's Little Bear Live On Stage.** All ages welcome. Doors open 1 pm. Tix: \$14.95 at Ticketmaster. MacEwan Hall.

## Panel debates the politics of Shakespeare's Macbeth

Can Shakespeare's blood-soaked Scottish king and his doomed Lady wife still speak to contemporary audiences? Four well-known personalities with unique perspectives on the subject will consider the question January 31 at a joint University of Calgary-Theatre Calgary presentation.

Pat Nelson, the recently retired finance minister for the Province of Alberta, Catherine Ford, former Calgary Herald columnist, David Taras, U of C political scientist and frequent media commentator, and Christopher Newton, director of Theatre Calgary's upcoming production of Macbeth, will participate in a free noon-hour panel at McNally Robinson Booksellers.

"This promises to be a very lively and informal discussion about the dangers of political ambition," says Kathleen Scherf, dean of the Faculty of Communication and Culture and the moderator for the event. "We have some very bright and opinionated people who can speak entertainingly on the subject and from very different perspectives. It's an enjoyable way to spend a lunch hour."

This is the third such event put on by the U of C and Theatre Calgary in conjunction with a Theatre Calgary opening. Scherf says the panels are a great way for the university to share some of its intellectual capital with the community while providing theatre-goers with new insights into the play.

Macbeth opens February 1 and runs until the 26th. Theatre Calgary's production promises to be innovative, as the design concept will set the play in a pre-World War II, 1930s era.

Shakespeare's tragedy, set in the 11th century, chronicles Macbeth's Machiavellian rise to the Scottish throne. Many scholars view it as Shakespeare's darkest work.

The panel discussion takes place January 31 from noon to about 1:15 p.m. at McNally Robinson Booksellers, Stephen Avenue Mall.

The event is free and open to the public, but please RSVP Sandra Gomez by phoning 294-7440 or e-mailing sgomez@theatre Calgary.com.

Compiled by Vicki Brown.

The listed events are of general interest. Events of a specialized nature may not be listed here but can be found on the Web at www.ucalgary.ca/events. Email your events information to vbrown@ucalgary.ca

