

Governor General's Silver Medal



DIANA NETHERCOTT

Killough

A TIME TO CELEBRATE!

UVic's spring convocation ceremonies take place this month. A total of 3,062 students have completed requirements for undergraduate and graduate degrees, diplomas and certificates. In this issue, we feature some of their remarkable stories.

The numbers all add up —to the top of the class

Success is nothing new to Brady Killough, UVic's top undergraduate for 2004. Five years ago he was B.C.'s top high school graduate, after achieving perfect scores on three of his provincial exams.

The Oliver, B.C., native registered in first-year general science, but soon found his true niche in physics and mathematics. In fact, math is so intriguing to Killough that he's off to the University of Toronto this fall to pursue a master's in the subject.

"There are so many connections between daily life and math," he says. "And there's that great moment when you reach a solution to something you've been mulling over, and put the pieces together."

Seeking these connections led Killough to tackle a variety of courses that incorporate math and its applications in different ways. Over his four years at UVic he delved into biochemistry, economics, and earth and ocean sciences.

But his head wasn't always in the books. The one-time captain of his high school basketball team was active in intramural sports from volleyball to soccer, and appreciated the benefits of a quick game of ultimate frisbee.

"I'm not an outstanding athlete," he says, "but intramurals kept me busy, kept me running around. It's a way to balance school and release some of the stress."

This balance seems to have worked; Killough achieved a graduating GPA of 8.94—just 0.06 shy of a perfect score. Even so, he was surprised to learn he'd won the Governor General's Silver Medal as the year's top undergraduate.

"In all honesty, I'm quite a procrastinator," he laughs. "I work hard, but I don't have a strict method or study regime. Usually I need that last minute pressure to get me going."

After one year working on a master's, Killough hopes to switch to a PhD program and then possibly return to academe to teach. "Plans may change," he says, "but for the moment, I'm following my passion."

Among the many scholarships that helped Killough along the way: the John Locke Malkin Entrance Scholarship, the David Brousson Memorial Entrance Scholarship and the Clarence C. Cook Memorial Scholarship.

"I'd love to give something back," says child and youth care grad

As a homeless child, Devi Dee lived on the streets of Harare, Zimbabwe, and survived on food pilfered from garbage cans. When he returned to Harare last summer, it was as a UVic child and youth care student, intent on using his practicum experience to help boys in the same orphanage where he once lived make the transition to a life outside the institution.

Dee's life has been one of struggle and determination interrupted by kindness and seized opportunities—set against a backdrop of the often-violent political struggles of his homeland. His choice of graduate studies in dispute resolution was shaped by his past.

"I'm really interested in how extreme conflict affects the identity development of children," he says.

"The legacy of colonization is a lot more complex than people realize. It's affected the lives of millions of people, and there is so much to be done."

Dee is one of the affected ones. His parents separated when he was two—torn apart by conflicting political loyalties in pre-independence Rhodesia. Dee ran away from his abusive father and lived for a year on the streets before social workers placed him in an orphanage. He used anger to mask learning disabilities before being assessed and sent to a special needs school.

His abilities at boxing and rugby and kind benefactors earned him scholarships at better schools in Zimbabwe and England. His natural ability with people led him to work with Outward

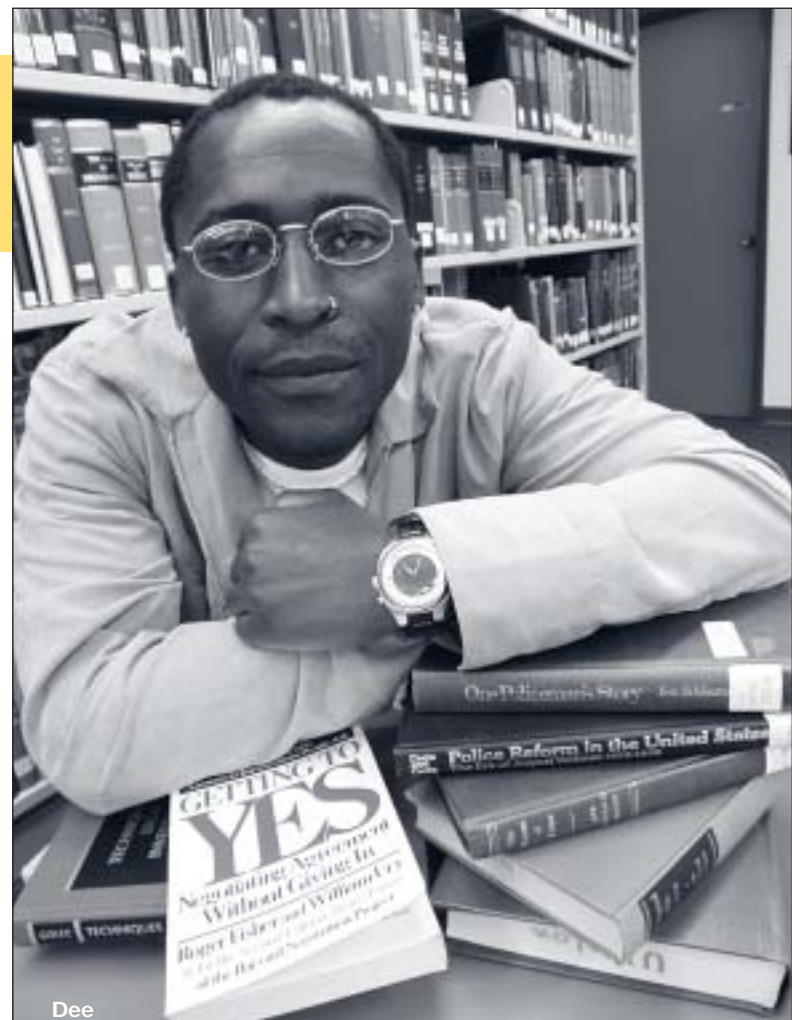
Bound—first in Africa and then in Canada.

He later moved to Vancouver to work as an alternative program worker with youngsters with learning disabilities similar to his own. "They wondered why I wasn't a teacher or a counsellor," he remembers. "They told me to take my own advice and challenge myself."

Dee signed on to literacy programs and earned his high school equivalency and counselling certificate at Vancouver Community College.

"Once I had a taste of succeeding in a college, I did a program that was transferable to university." His social service worker certificate led him to try child and youth care studies for

SEE DEE P.3



JOY POLJOUH

Dee

Proteomics centre gets \$1 million for equipment upgrade

by Valerie Shore

The UVic-Genome BC proteomics centre has boosted its arsenal of state-of-the-art research equipment, thanks to more than \$1 million in funding from Western Economic Diversification Canada and MDS Metro Laboratory Services.

The money, part of a \$2.5 million grant to Genome BC announced last month, has already been spent by the proteomics centre to purchase a new mass spectrometer, a large IBM computer, and an instrument that will allow automated analysis of clinical and research samples.

Proteomics is the study of proteins—their location, structure and function. Just as every living thing has a complete set of DNA known as its genome, we all carry a full complement of proteins known as the proteome—the enzymes, antibodies and structural molecules

that make up our cells. Proteomics research is applicable to just about every area of biological and medical investigation.

The UVic centre serves the proteomics and protein chemistry needs of more than 150 laboratories across Canada on a fee-for-service basis. Three years ago its mandate was expanded to provide proteomics support for large-scale research programs funded by Genome BC in the areas of forestry, fisheries and cancer.

Last October the centre moved from cramped quarters on the UVic campus to a 5,000 sq. ft. space in the Vancouver Island Technology Park in Saanich, where it has partnered with MDS Metro to develop new analytical tools for more accurate medical diagnostics and treatments.

In addition to protein separation, analysis and processing

systems, the centre houses several automated mass spectrometers—sophisticated instruments that can accurately and quickly identify a protein or part of a protein by its molecular weight.

The new spectrometer is even more sensitive and faster, says UVic biochemist Dr. Bob Olafson, director of the centre. "With this new equipment we can tackle some of the more difficult proteomics problems, keeping UVic at the forefront of proteomics research in Canada."

The proteomics centre is supported by the Canada Foundation for Innovation, the B.C. Knowledge Development Fund, the Natural Sciences and Engineering Research Council of Canada, Genome BC, the Canadian Institutes for Health Research, Western Economic Diversification Canada, MDS Metro and UVic.

around the ring

Walk the walk and get fit

How many times around Ring Road does it take to bolster university spirit and get on the right track to fitness? Only once, if you're part of the 2004 President's Fitwalk. The walk starts at noon on June 9 at the University Centre front entrance. This year's theme is "A Little Goes A Long Way," with an emphasis on the benefits of walking. "There'll be a personal training booth onsite, with experts answering questions about starting and maintaining a physical activity program. Also new this year—participants will guess the number of steps it will take a selected individual wearing a pedometer to walk the circuit. The winner will be awarded a gift basket including a \$150 gift certificate to Frontrunners. If you won't be around for the walk, you can still support your department by registering in McKinnon 181 and walk the circuit on your own time. For more information, contact Kathi Cameron at 472-4038 or kcameron@uvic.ca.

Well-known journalist offers his views on world events

World-renowned journalist, broadcaster and international affairs expert Gwynne Dyer will deliver the public lecture "Worst Case: A Neo-Orwellian World" as part of the upcoming international conference, "A Transatlantic Divide on Security Policy: Canada, European Union, NATO and the New Bush Doctrine." Dyer will speak on Friday, June 11 at 7:30 p.m. in the University Centre Farquhar Auditorium. Tickets are \$11 and are available through the University Centre box office at 721-8480, in person or by phone, from 9 a.m. to 4:30 p.m. Monday to Friday. The public is invited to attend the accompanying conference sponsored by UVic's European studies program June 11-13. The conference program is available at web.uvic.ca/europe. Admission is free but participants are asked to register in advance at eus@uvic.ca or at the European studies office at 721-6493.

UVic to be mobbed by young talent

More than 600 dancers, musicians, and actors from around the province will be strutting their stuff at UVic June 24-29 as B.C.'s largest youth festival finds a new home. "The Provincials" is the culmination of performing arts festivals in 34 communities around the province. This year, the best of the 80,000 youths who participated at the regional level will showcase their achievements in music, dance and the speech arts at UVic. The new venue means that for the first time ever, participants will share performance space and accommodation throughout the festival. In addition to providing performers with networking opportunities, the UVic venue will allow the young people and their families to save money on transportation, accommodation and food. "We see this as a natural fit," says fine arts dean Dr. Giles Hogya, whose faculty is sponsoring the festival and helping Performing Arts B.C. access state-of-the-art performance venues at a fraction of the regular booking costs. "This faculty has a long tradition of developing tomorrow's talents. We're committed to excellence and this event celebrates achievement."

Exhibit savours world's favourite beverage

UVic art history professor Dr. Judith Patt is co-curating an exhibit about how the simple act of drinking tea influences artistic and social cultures. "World Tea Party Victoria reveals how something as common as meeting over a cup of tea can reveal an interconnection between visual arts, decorative arts, architecture, social rituals, and contemporary cultural production," says Patt. The exhibit runs June 25 to Aug. 29 at the Art Gallery of Greater Victoria (AGGV) and will include tea tastings, demonstrations, lectures, videos, and a tea fashion party. It will feature pieces from UVic's Maltwood Museum collection, AGGV and private collections. The exhibit is co-curated by the World Tea Party Society's Bryan Mulvihill and is a joint project of the Community-University Research Alliance Program (CURA) at UVic and the World Tea Party Society (Vancouver), funded by a grant from the Social Sciences and Humanities Research Council of Canada. For more information visit www.aggv.bc.ca.

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the ring

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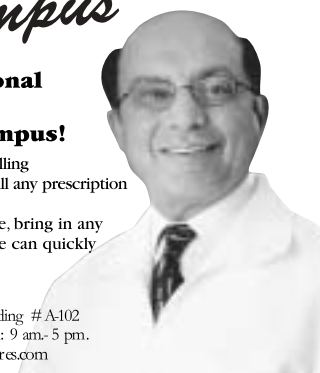
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Chemistry professor Dr. **Penny Codding** has won a 2004 YM/YWCA Women of Distinction award in the science, information technology and research category. An internationally recognized scientist, Codding has published more than 90 chemistry research papers during her career. She was UVic's first female vice-president academic and provost and, since completing her term in that post, has involved herself in curriculum revitalization and assisting a new generation of women scientists achieve their goals.

Dr. **Oscar Casiro**, head of UVic's division of medical sciences, is the 2004 winner of the Manitoba Medical Association's administrative award. The award was presented to Casiro at the association's annual general meeting last month in Winnipeg. He's the first Manitoban to win two MMA awards, each in a different category. Ten years ago he was recognized with the association's health or safety promotion award. Prior to joining UVic in fall 2003, Casiro was associate dean of undergraduate medical education at the University of Manitoba.

Philip Kevin Paul, BA '03, is a 2004 B.C. Book Prize winner for his collection of poems, *Taking the Names Down from the Hill* (Nightwood Editions). Paul is a member of the Saanich First Nation and the poems are drawn from inspiration from his ancestral lands. The poet is the son of the late **Chief Philip Paul**—internationally known indigenous rights activist and co-founder of the Union of B.C. Indian Chiefs.

Brian Richmond has been re-appointed to a three-year term as chair of the theatre department, effective July 1. Richmond has taught and/or created productions for many leading Canadian universities including McGill, Concordia, Simon Fraser, York, Waterloo and Toronto, as well as the National Theatre School of Canada. As a professional director, Richmond has created numerous productions for several leading theatres throughout Canada and the U.S. He's been at UVic since 2001.

Smith co-chairs new Canada Corps

Prime Minister Paul Martin has named Dr. Gordon Smith, director of UVic's centre for global studies, as co-chairperson of the newly created Canada Corps.

The Canada Corps will harness the energy and experience of Canadian experts, volunteers and young professionals to deliver international assistance in the areas of governance and institution-building. The initiative will consolidate and increase the co-ordination of existing Canadian efforts and will also explore new partnerships with other levels of government and the private sector.

Smith will share his duties with fellow co-chairperson, astronaut Julie Payette.

Smith joined UVic in 1998 following a distinguished career as a Canadian diplomat, which included posts as deputy

minister of foreign affairs from 1994-1997, ambassador to the European Union in Brussels from 1991-1994, and ambassador to the Canadian delegation to NATO, from 1985-1990.

Smith and Payette have a mandate to consult with other federal departments, non-governmental organizations and the private sector to further define the scope, participation and structure of the Canada Corps. They'll work with a new Canada Corps secretariat to be based at Foreign Affairs Canada in Ottawa.

Smith and Payette will also contribute to the analysis of the consultative findings and participate in the development of a three to five-year agenda for the Canada Corps. It has a budget of \$15 million over the next two years.

Dee continued from p.1

one year "and I ended up staying because I really enjoyed it."

His return to Harare last year was bittersweet. "Children as young as eight are prostituting themselves for a bag of groceries. Nearly 25 per cent of the population has AIDS or HIV. There are families headed by children."

Now engaged, Dee says it's unlikely he would return to Zimbabwe permanently, but "once you've been to Africa you can never walk away. I'd love to give something back. I'd love to work for the UN. All this has made me realize I'm connected to something bigger than myself."

Federal grant fuels UVic alternative energy research

by Maria Lironi

UVic's institute for integrated energy systems (IESVic)—one of Canada's leading fuel cell research institutions—is enhancing its hydrogen and fuel cell R&D with a \$522,000 grant from the federal government.

Environment Minister David Anderson announced the funding at a UVic news conference May 19 on behalf of Dr. Rey Pagtakhan, Minister of Western Economic Diversification Canada.

"The fuel cells sector has the potential to make a significant contribution to reaching our climate change and clean air objectives," said Anderson. "The government of Canada is committed to sustainable development through alternative

energy, such as fuel cells, to ensure a safe and clean environment for future generations."

The funds will allow IESVic to purchase equipment—including advanced instrumentation for testing and measurements in fuel cells, state-of-the-art high-pressure composite cylinders to store hydrogen, and a hydrogen compressor—that will advance its study in the fuel cells and hydrogen sector.

"The storage tank and compressor will be part of our integrated renewable energy experiment and will allow us to store solar or wind energy in the form of hydrogen," explains Dr. Ned Djilali, IESVic's director. "Then we can draw on this stored energy by feeding it back into a fuel cell to produce power when needed."

"This investment from Western Economic Diversification Canada will allow us to pursue innovative research in fuel cells and sustainable energy systems integration. It will also enhance our capacity to assist industrial partners in developing this exciting new technology."

Most of today's energy systems require technological pathways based on non-renewable or greenhouse gas-emitting energy sources, such as hydrocarbons. Because these common energy resources are unsustainable and harmful, IESVic is committed to promoting and developing creative alternatives through original research. Founded in 1989, IESVic's areas of expertise are fuel cells, cryofuels, energy systems analysis and energy policy development.

Discover pedal power June 7-13

by Joy Poliquin

The cyclists are coming!

Thirty seven teams across campus—ranging from childcare services ("the Training Wheels") to the chemistry department ("Chain Reaction") to communications services ("the Spokespeople")—have signed up so far to participate in Bike to Work Week, June 7-13.

The university encourages as many people as possible to try cycling to campus during Bike to Work Week. As an incentive, a cycling prize will be awarded to every registered UVic participant. The real incentive, however, is fitness and clean air.

"Bike to Work Week is about introducing staff and faculty to the




benefits of commuter cycling—not winning the Tour de France," says UVic interim sustainability coordinator Sarah Webb. "Start out slow, drink lots of water and go at your own pace."

She also suggests considering cycling as an alternative to working out at an indoor gym. "By cycling to work on a regular basis, we not only improve local air quality and reduce congestion on our roadways, but we get great exercise in time already committed to travel."

For the fourth year in a row, UVic is a major sponsor of the event. The university has traditionally enjoyed high participation and has been recognized as a major presence during previous Bike to Work Weeks.

This year there are some great prizes, including a new bike, a six-day kayaking tour, a bike trailer, helmets and water bottles, clothing, and dinner at some of Victoria's finest restaurants

Webb has kits available for team captains. If you want to join an existing team or start a new one, contact Webb at 472-5011 or sarahwebb@fmgt.uvic.ca. For more information, or to register online, visit www.biketoworkvictoria.ca. The registration deadline is June 4.




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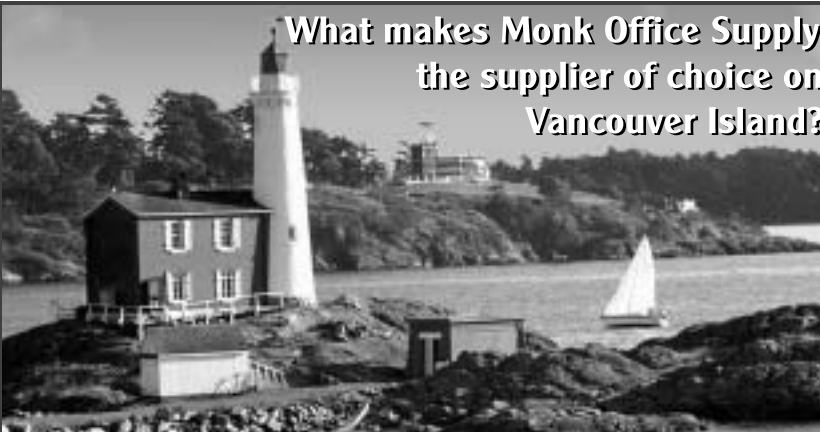
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Honisch

Music grad hits all the right notes

Stefan Honisch is already established as a first-rate concert pianist. But if things had gone differently, he may have become a renowned pipe organist instead.

"When I was six I saw a program about pipe organs on television," he says with a smile. "From that point on I had a fascination for keyboard instruments, but obviously you can't have a pipe organ in your house."

He was surprised one day to come home from school to piano sounds in his parents' home. "My dad was sitting at a new piano playing, and from then on I was hooked."

Honisch was raised in a musical environment—his dad played the clarinet, while his mom played the sitar, a classic instrument from her native India. He grew up listening to western and East Indian classical music.

He auditioned for UVic's music program in 1999 and concentrated on piano performance, while also studying composition. "I've always been fascinated by the relationship between composing and performing. As a performer you need to be aware of how music is put together, while as a composer you need to be familiar with the capabilities and limitations of the instruments for which you write."

A regular performer, Honisch also composes in a modern idiom, and is inspired by the work of the great composers. A favourite is Mozart, whose birthplace he visited when he won a scholarship from the Johann Strauss Foundation and spent a month last summer studying at the Mozarteum in Salzburg.

When he's not practising, Honisch says he "lives" at the library, exploring the vast collection of LPs available there. He thanks the music faculty, the disability resource centre, the Ministry of Advanced Education and the Vocational Rehabilitation Service for their help and support.

This fall, he's pursuing a master's in performance and composition at UBC, and looks forward to being a professor one day. "Right now I'm trying to learn as much as I can as a student and immerse myself in music. The wider your range of musical experience, the more you can express yourself."

Over the course of his studies, Honisch received several awards, including the Taylor Scholarship in Music, the Ida Halpern Music Scholarship, and the Evelyn Marchant MacLaurin Memorial Scholarship in Music.

Lieutenant Governor's Silver Medal

Education grad explores corporate sponsorship in schools

Should corporate sponsorship be invited into the classroom? That's a question Peter Speers posed to parents, teachers and administrators of School District 83 as part of a report for his master's degree in educational leadership.

The social worker has won the Lieutenant Governor's Silver Medal (other than thesis) for his work, which looked at the health, ethical and financial issues related to school corporate sponsorship.

Speers began his relationship with UVic in 1983, graduating in 1986 with a BA in sociology. He studied social work through UVic's distance education program while simultaneously working in northern B.C. as a child protection worker, and graduated with a bachelor of social work in 1990. Today, he's a team leader with the Ministry of Children and Family Development in the North Okanagan, a position he's held for the past six years. His team deals with children with special needs and adults with mental challenges.

Speers became interested in the effects of

corporate sponsorship while earning his master's degree. "The issue was often in the news, and I wanted to research how such developments would affect those directly involved," he says. "I spoke to people within the system, and saw that a general concern exists about how sponsorship relates to the branding of children and youth, and their consumerism."

His research also uncovered concerns about student health. "There's discussion about the logistics of selling candy and pop to children, while at the same time instilling attitudes about healthy nutrition," says Speers. "Realistically, educators recognize that funding is sparse, but what's more important—fiscal restraint or the well-being of children?"

Such ethical concerns are at the forefront of Speers' involvement in social work. "I prefer to approach social work problems from a principle-based perspective, rather than be policy-driven," says Speers, who is already eyeing a PhD. "I'm proud to work with people who put human values ahead of the fiscal bottom line."

IEEE Gold Medal — Electrical Engineering

Engineering grad still acts up

When Nathan Stretch first came to UVic in 1999, he seriously considered taking theatre. Active in drama in high school, he was passionate about the stage, but also had strengths in the sciences.

Ultimately, he decided on electrical engineering, which combined theoretical science with a degree of creativity and hands-on application.

"There's always that struggle to find something you enjoy doing that could also provide you with a future," he says. "I'm really interested in the theoretical aspect of engineering, figuring out how things work down to their most basic level. It also gives me the opportunity to problem-solve."

Stretch particularly enjoyed his final engineering project. He worked with fellow students Cameron Muhule and Angus Errington to build an underwater locator device that uses sound waves. It could potentially be used to track undersea divers from the surface.

The project tied for first place in a competition judged by members of the Institute of Electrical and Electronics Engineers (IEEE). It's fitting, then, that Stretch has won the IEEE Victoria Section Gold Medal as the top student in electrical engineering. "The whole process of putting our knowledge to use and seeing our education in practise was very exciting," says Stretch. "It was a



Stretch

great experience."

This summer, Stretch is interning at an electronics company in Belgium. After that, he's considering an MBA. Of course, he could also return to acting—he recently appeared in a public service announcement that will appear on CH-TV this summer. For this graduate, anything's a possibility.

Stretch was assisted during the course of his studies by several scholarships, including the UVic Excellence Scholarship, the UVic Entrance Scholarship, and the Norman Yarrow Scholarship in Engineering.

Coaching keeps education grad young

World Cup champion in freestyle skiing, nine national titles, 12-year member of Canada's national freestyle team, coach to the fourth-place finisher at 2002 Salt Lake Olympics. Oh, and a new master's degree in education from UVic.

This is just a sampling of the accomplishments Murray Cluff has under his belt.

As a teen growing up in Medicine Hat, Alberta, Cluff had a passion for downhill skiing. The trouble was, the closest mountain was a five-hour car trip away. His father would drive the young athlete to the mountain each weekend. "We went to where the snow was," says Cluff.

An accident left Cluff unable to continue downhill, so when a friend suggested freestyle skiing, he jumped at the chance. He competed in

his first national competition in 1976 and enjoyed a successful career until retiring in 1994.

"I was 34 at that time and I went through withdrawal," he says. "I'd been in a sports bubble for 18 years, and my father, who was a principal, suggested I go to school and take an education degree."

He graduated with a BA from the University of Calgary in 1996 and, at the same time, turned his attention to coaching freestyle. He led the national team and worked with Olympic Gold medalist Jean Luc Brassard.

As a way to improve his coaching, he began his master's degree at UVic in 1996, studying during the summers and coaching in the winters.

SEE CLUFF P.8



JOY POLIQUIN

Jubilee Medal – Social Sciences

Experience is the best teacher for this psychology grad

For someone who recently completed her undergraduate degree in psychology, Lindsay Mathieson already has some impressive work experience on her résumé.

After her second year of study, the honours student worked as a research assistant in child and youth care with Dr. Marie Hoskins. That sparked an interest in adolescent psychology, and she joined Hoskins again last year to interview girls at B.C.'s Children's Hospital for a study on adolescent identity development and eating disorders.

"I see so many opportunities to make a difference," she says. "After speaking with the girls, we're now analysing those interviews. We'll present our findings at a conference in Memphis this summer."

Mathieson also worked with Dr. Bonnie Leadbeater and graduate student Erin Boone on her honours project, which examined how sports involvement can be a tool against depression in adolescents. "I'm interested in adolescent

development and psychopathology, including depression," says Mathieson. "There are so many questions that need to be answered."

Over the course of her studies, Mathieson was assisted by several awards and scholarships, including a UVic Entrance Scholarship, the Walter D. Young Prize in Political Science, and the Hector William Hadland Scholarship in Psychology.

As a long-term goal, Mathieson hopes to work as a professor and plans to enter graduate school in September 2005. For now, she'll continue to work on projects with Drs. Hoskins and Leadbeater. She'll also keep up her out-of-school activities, which include volunteering as an in-school mentor through Big Brothers and Big Sisters.

"The girl I mentor is a pre-teen, and she's great," says Mathieson. "Mentoring is a way to get hands-on experience, to see how such practices help build self-esteem. You can read about it, but this is the real thing."



Mathieson

Governor General's Gold Medal

Top PhD juggles mathematical theory—and fatherhood

Dr. Manuele Santoprete sees the world in numbers. UVic's top doctoral student for 2004 divided his graduate studies in half when he was encouraged to switch to a PhD one year after beginning his master's in mathematics in 1999.

To top it off, he also added a daughter to his family.

"It was a lot of work, juggling my thesis and welcoming a newborn," he says, "I didn't get much sleep sometimes, but it was worth it on all counts."

The Pisa, Italy, native combined his love of physics with an interest in mathematics, and wrote his thesis on the different approaches to solving problems.

Since defending his thesis in August 2003, he hasn't

shown any signs of slowing down. Upon graduation he was immediately offered a three-year instructorship at the University of California in Irvine, where he's currently teaching and researching. Since arriving in California, he's become a father again, this time to a son.

Santoprete's thesis focused on the mathematical study of chaotic systems, developing techniques to understand, for example, the interaction between the sun and the Earth in mathematical terms. He examined how the chaotic orbits of non-spherical objects like these can be interpreted mathematically.

In a field where experienced researchers are content

to publish two articles per year, each of Santoprete's nine papers has appeared in a high-profile journal. A recent paper appeared in *Transactions of the American Mathematical Society*, one of the world's top mathematical journals. This paper was the first important contribution in 30 years to "Saari's conjecture," a puzzle that's been explored by the best researchers in the field.

Santoprete has already been hailed as a star in a field that counts Newton and Euler among its pupils. He looks forward to a future of research and teaching. "I'm working to develop techniques to help people understand problems in a different way," he says. "There's so much to learn."

JOY POLIQUIN



Lewis displays the computer program he uses to plot the Earth's climate.

Lieutenant Governor's Silver Medal

Outdoor enthusiast revels in the climate he studies

There's something about the great outdoors that has Jeff Lewis fascinated. Whether he's paddling down rapids in his kayak, challenging a peak on his mountain bike or investigating Earth's last global glaciation, he takes advantage of all nature has to offer.

Lewis completed his MSc in record time—just 16 months. His thesis, entitled "A Model Study of the Neoproterozoic Snowball Earth," examined Earth's period of global glaciation 750 million years ago and has been praised by Paul Hoffman, a leading world expert on the subject from Harvard.

"There's been a lot of research from the geology perspective, and we use that data in our climate model to attempt to recreate the Earth's climate 750 million years ago," he says. "At UVic we use a sophisticated ocean model, because the ocean, with its heat transport, is the dominant control of Earth's climate over a long time span."

"People tend to think we use glue and

popsicle sticks," he laughs, "but we use computers. The same programs that are used to forecast the weather are adapted for creating long-term climate. We've taken the physics of what happens in present day, and put it into the computer to understand the past and what possible climates there'll be in the future."

Lewis has opted to stay at UVic to pursue his PhD, partly because he appreciates the departmental support, and partly because Vancouver Island offers year-round white-water paddling. He's nearly a year into his doctoral studies.

After being a teaching assistant, Lewis is excited about continuing his career as a professor. But he won't be kept indoors for long. The avid paddler takes advantage of travel opportunities, and has hauled his kayak to Chile, Argentina, New Zealand and Australia, looking for great places to catch some white water.

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Four UVic students win Canadian technology contest

by Maria Lironi

Four UVic computer science students will represent Canada at Microsoft's Imagine Cup Software Design Invitational in Brazil this summer after winning the Imagine Cup Canada 2004 Software Design Challenge.

Mike Flasko, Elisa Johnson, Jason Kemp and Tyler Holmes, all co-op students, designed a system that eliminates some of the problems associated with organizing and participating in an amateur sporting event.

"Game.Set.Match" enables tournament data to be administered via cell phone and to be available in real-time to participants and fans through either the Web or MSN-style alerts. Previously, this type of real-time information was available only at professional tournaments. "Game.Set.Match" also allows tournament organizers to create a schedule based on online registration.

Now in its second year, Microsoft's Imagine Cup is an international technology contest that provides an outlet for students to explore their technological and artistic interests outside the classroom.

"We're all very excited about competing at the worlds," says Flasko. "Already, the experience and contacts have made the hours we've spent on the competition worthwhile."

The UVic team will represent Canada at the world championships July 4-6 in Sao Paulo, Brazil. Along with competitors from 40 other countries, the UVic team will present its entry to a panel of judges from academia and the technology industry.

As well as winning the trip to Brazil, the students are being awarded \$3,000, a trip to a software developer conference in Toronto, and software.

For more information visit: www.imaginecup.com/.

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JOY POLIQUIN

Humble

Two degrees? No problem for history/theatre grad

Kate Humble rarely slows down. It's a side effect of having completed two full degrees in five years without relying on summer sessions.

"I get bored really easily," says the theatre and history graduate, who received the Gwen Downes Memorial Book Prize in 2001. "I crammed 90 credits into five years, which translates to six courses per term."

This may sound grueling, but factor in the demands of being a major player in most of the drama department's productions, as well as community and professional productions, and it's even more remarkable.

"I'd spend from 9:30 a.m. to 3:30 p.m. in acting school, then head to a course in European history, then maybe to another production. It was a lot of juggling."

But there was never a question of choosing one discipline over the other.

"When I was younger I travelled and spent a lot of time in museums," says Humble. "I've always found it so interesting to think about what was once here. I knew I wanted to study history, but acting is also a big part of who I am."

So she made it work. When she wasn't busy with courses, a school production, or a community show, Humble worked at

the Art Gallery of Victoria, and found time to practise yoga. And, as if she wasn't busy enough, she's also been working as a clerk on and off at the Wilkinson Jail since she was 17.

This summer, Humble will split her time between the Art Gallery and performing in Bard to Broadway's *I Love You, You're Perfect, Now Change* in Qualicum Beach, and Theatre SKAM's outdoor smash hit *Lt. Nun*. Beyond that, she's looking at a master's and PhD in history.

"Of course, if I were offered a place at Stratford, I'd go for it," she says. "I'm keeping my options open."

Stargazer shares excitement of science with others

As an astronomy educator working at the Centre of the Universe observatory in Saanich, Margaret Milne is combining the two fields she's always loved. "What I like best is telling stories," she says, "and it's easy to tell stories about astronomy."

Milne had her first taste of being an educator as an undergraduate in Ontario. She complemented her BSc in physics with a teaching degree and worked at two Ontario high schools, one of which focused on vocational learning. This meant she taught not only science and math, but also automechanics and baking.

"That was an experience," she said. "I learned how much I enjoyed the teaching

process, and how varied it could be."

As much as she thrived on teaching, Milne decided to focus on research when she arrived at UVic for a master's in astronomy. Her thesis project focused on how galaxy clusters are formed. One existing theory suggests that small galaxies bash together to build bigger galaxies, and as a result, many small "dwarf" galaxies are left over in galaxy clusters.

Milne chose a cluster that had been studied before, but used pictures from the Hubble Space Telescope to search for even fainter dwarf galaxies. She discovered the cluster had more dwarf galaxies than had ever been counted.

An active member of the university community, Milne wrote for *The Martlet*,

The BaG, was a participant in the SPARK (Students Promoting Awareness of Research Knowledge) writing program, and hosted a bi-weekly show on campus radio that profiled UVic researchers.

Milne plans to remain at Centre of the Universe for a few years, but has a unique long-term goal in mind. "My boyfriend and I hope someday we can drop everything and sail around North America," she says. "I don't know when, but we'll do it some day."

During her studies, Milne received the R.M. Petrie Memorial Fellowship two years in a row and the Andy Farquharson Award for Excellence in Graduate Student Teaching in 2003.



JOY POLIQUIN

Milne

calendar highlights

EVENTS FREE UNLESS OTHERWISE INDICATED.
 FOR A COMPLETE LIST OF EVENTS, SEE WWW.UVIC.CA/EVENTS

At the Galleries

www.maltwood.uvic.ca

Exhibit *Explorations in Wood.* Presented by the Vancouver Island Woodworker's Guild. Until Aug. 11. Maltwood Art Museum and Gallery.

Exhibit *Mythic Archipelago.* The Eastside Group. Bill Friesen, Marci Katz, Joe Rosenblatt. Until July 2. McPherson Library Gallery.

Tuesday, June 8

Alumni Annual General Meeting 7 p.m. Presentation of first Alumni Volunteer Recognition Award. Open to alumni and friends. University Club. 721-6012

Wednesday, June 9

President's Annual Fit Walk 12-1 p.m. University Centre, front entrance. 472-4038

Friday, June 11

European Studies Conference 8:30 a.m.-5:30 p.m. June 11-13. *A Transatlantic Divide on Security Policy: Canada, European Union, NATO and the New Bush Doctrine.* Halpern Grad Centre. 721-6493

European Studies Lecture

7:30 p.m. *Worst Case: A Neo-Orwellian World.* Gwynne Dyer, journalist, columnist, broadcaster. University Centre. \$11/free for UVic students who pre-register. 721-8480

Thursday, June 17

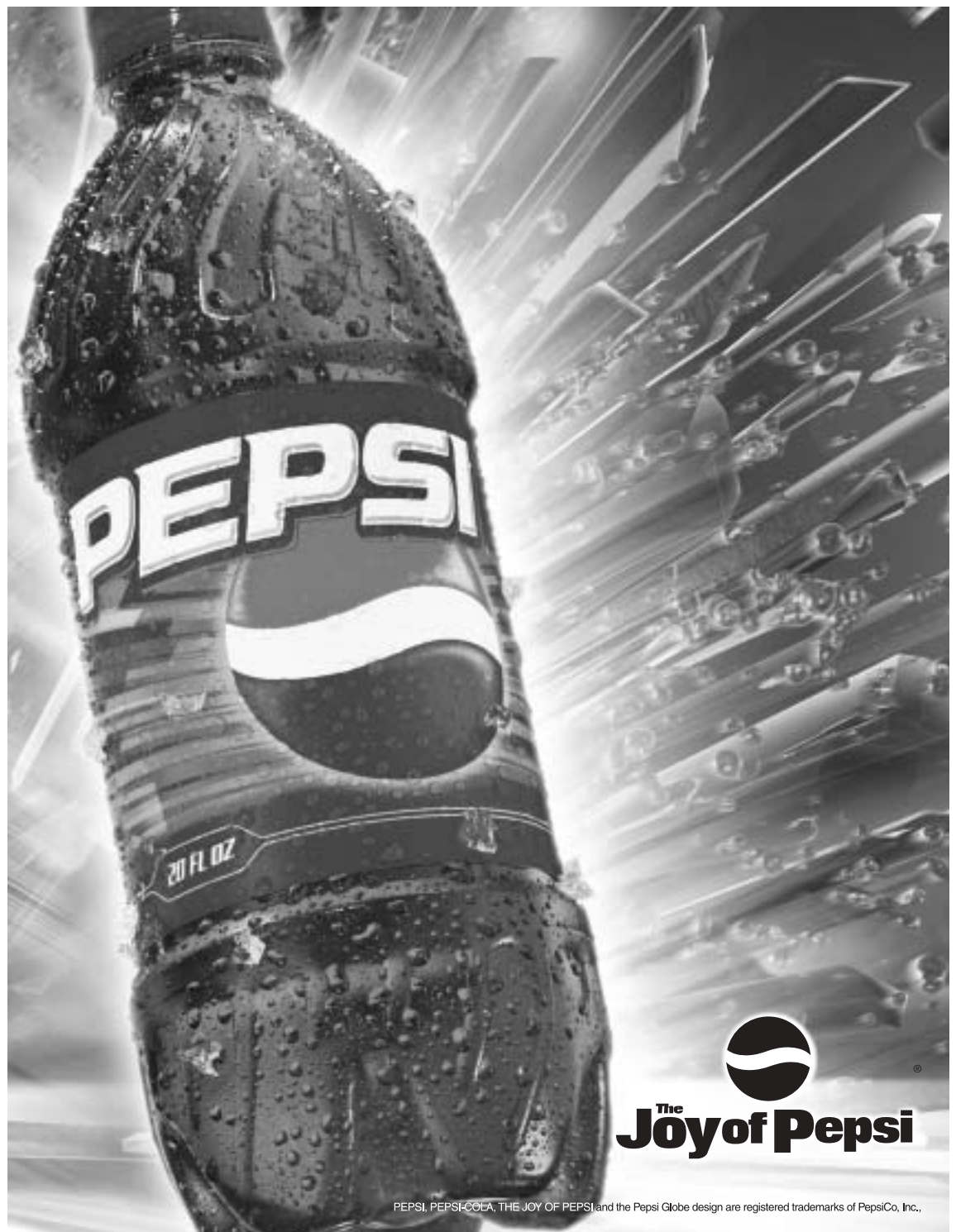
Institute for Dispute Resolution Lecture 12:30 p.m. *Pearls and Perils: When Is Intuition a Resource for Resolving Conflicts?* Michelle LeBaron, UBC. Centre for Innovative Teaching, room 105. 721-8199

Saturday, June 19

Kids Safety Day 11 a.m.-2 p.m. Bring your kids out for a day of free, fun activities while learning about safety. UVic parking lot 3. Preregister by June 14 with UVic Campus Security Services at 721-8981 or psc@uvic.ca.

RING PUBLICATION SCHEDULE

The next issue of *The Ring* will be published on July 8. *The Ring* does not publish in August. Calendar items for July and August should be sent by 4 p.m., June 30 to UVic communications (Sedgewick 149, fax 721-8955, e-mail ucom@uvic.ca) or entered into the online calendar (www.uvic.ca/events). **Calendar items are printed in *The Ring* on a space-available basis.** For more information call 721-7636.




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Major Medal Winners

Governor General's Gold Medal (top PhD, all faculties)
Dr. Manuele Santoprete, mathematics

Lieutenant Governor's Silver Medal (top master's thesis)
Jeff Lewis, earth & ocean sciences

Lieutenant Governor's Silver Medal (top master's, other than thesis)
Peter Speers, educational psychology & leadership studies

Governor General's Silver Medal (top undergraduate, all faculties)
Brady Killough, physics & mathematics

Jubilee Medal for Humanities
Edwin Wong, Greek & Latin language & literature

Jubilee Medal for Science
Laura Benard, biology

Jubilee Medal for Social Sciences
Lindsay Mathieson, psychology

Maxwell Cameron Memorial Medals in Education
Sarah Ball (Elementary)
Elissa Sunderland (Secondary)

Canadian Society for Mechanical Engineering Medal
Scott Mackenzie

Department of Computer Science Graduation Medal
Dong Hun Kim

IEEE Victoria Section Gold Medal in Computer Engineering
Barinder Basi

IEEE Victoria Section Gold Medal in Electrical Engineering
Nathan Stretch

Law Society Gold Medal
Paul Brackstone

Victoria Medal in Fine Arts
Erin Coulson

Law graduate is an "advocate at heart"

Basil Alexander has a long history as an advocate for the public interest. In addition to serving on many committees, the former Graduate Students' Society (GSS) president has been the society's director of finance and director of student affairs. He currently sits on UVic's board of governors and is a student member of the senate.

"I like to be involved," he says over the phone from his home in Ontario, where he's currently enrolled in the bar admission course. "I believe strongly that getting involved in your university community is essential. You learn as much outside the education environment as you do from your courses."

He graduates this month with a law degree and a master's in public administration from UVic. He earned a bachelor of arts and science from McMaster University in 2000.

What drives him is a desire to make a difference and to provide a voice for those who need aid. "I'm an advocate at heart, so I always try to help out where I can. Hopefully, along the way, I can bring attention to important issues and change things in a constructive way."

For his efforts, he's won numerous awards and prizes, among them the Blue and Gold Circle Award in 2003 and the Cook Roberts Prize in Indian Lands, Rights and Government in 2002.

In addition to his volunteer work, Alexander's prior work experience includes serving as a law student for Woodward and Co., a Victoria law firm that focuses on aboriginal clientele, and as a law student for the Judges' Chambers at the Nunavut Court of Justice.

This September, he'll be articling with Klippenstein's in Toronto, a small law firm near Queen Street West that specializes in public interest advocacy. It's just one more step toward making a difference.



JOY POLJOUIN

Wong

Jubilee Medal - Humanities

Degree gives grad a classic view of the world

At convocation this month, Edwin Wong is being recognized for outstanding achievement as the top student in the faculty of humanities—not bad for someone who four years ago nearly didn't have the marks to be accepted into UVic.

"It's pretty funny," he says. "I was just on the cusp in terms of grades, and was a whisker away from not getting in. I guess that shocked me into trying a bit harder."

The extra push paid off, and now Wong is graduating with a degree in Greek and Roman studies—and a medal. His special area of interest is the relevance of the classics in today's modern world.

"I think that a knowledge of the classics, coupled with a knowledge of how the world

is now, gives you a chance to see the world through different lenses," he says. "You encounter the same stories through different times and in different cultures. The characters have other names, but the essential experiences are the same."

Wong credits his faculty mentors with making each course memorable, and for introducing him to the many benefits of studying the classics. He'll continue his studies this fall at Brown University in Providence, Rhode Island, where he was awarded the Joukowsky Presidential Fellowship.

"You can wet your feet in philosophy, literature, history and science; it's such a diverse field," he says. "For me, studying the classics is like going back to a homeland."

Cluff continued from p.1

"I know what sports did for me," he says. "I learned lifelong skills, things I apply everyday in other areas of my life. I want to give kids the chance to experience what I did."

Cluff is currently training a 21-year old athlete on the national team, who placed fourth at Salt Lake. This year, she became the

first Canadian female to win the freestyle Grand Prix title in moguls, and is an early gold medal favourite for 2006.

"Coaching is an amazing experience," he says. "No matter where you are in life, the kids keep you young. They have so much enthusiasm—there's nothing like it."

University awards six honorary degrees

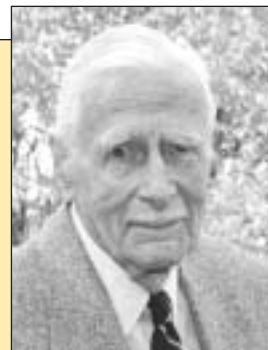
Six lifetime achievers become honorary UVic graduates at this convocation.

They are **Stephen Lewis**, United Nations special envoy for HIV/AIDS in Africa; retired Supreme Court of Canada Justice **Claire L'Heureux-Dubé**; Kwaguilth artist **Richard Hunt**; Victoria arts activist and fundraiser **Jane Heffelfinger**; American health information specialist **Dr. Morris Collen**; and **Percy Wilkinson**, a Victoria centenarian with a lifelong record of

public service.

For more details on the lives of these remarkable people visit: www.uvic.ca/ring/04apr08/news/honorary.html.

Since its first convocation in 1964, UVic has awarded honorary degrees for achievement in scholarship, research, teaching, the creative arts and public service. The UVic senate makes decisions on honorary degrees based on nominations received from members of the university community.



Clockwise from upper left: L'Heureux-Dubé, Percy Wilkinson, Stephen Lewis, Richard Hunt, Jane Heffelfinger, and Dr. Morris Collen