

Biologist co-leads international salmon project

by Valerie Shore

Using genetic knowledge to improve the health and conservation of salmon and their relatives is the goal of a new \$15.5-million, international research consortium co-led by University of Victoria biologist Dr. Ben Koop.

The Consortium for Genomics Research on All Salmonids Project (cGRASP) is one of 33 new large-scale genomics research initiatives being funded across the country by Genome Canada, Genome BC and other Canadian and international partners. The funding, totalling \$346 million, was announced Aug. 25 in Winnipeg by federal Industry Minister David Emerson.

The consortium brings together dozens of salmonid experts from Canada, Norway, the U.S. and the U.K. The other co-leaders are Dr. Willie Davidson from Simon Fraser University and Dr. Stig Omholt from the Norwegian University of Life Sciences.

The salmonid family of fish includes salmon, trout and char—all of great economic and societal importance to coastal, rural and aboriginal communities through the fishing, aquaculture and tourism industries.

cGRASP builds on the work of the Genomics Research on Atlantic Salmon Project (GRASP), also co-led by Koop and Davidson, which winds up this December. Working with researchers in Norway, the GRASP team became the first in the world to provide a physical map of the Atlantic salmon genome.

“Four years ago, less than 200 salmonid genes were known,” says Koop. “Since then, we’ve confirmed the identity of about 25,000 genes, and expect to identify another 15,000.”

The next step is to determine what the genes do. To this end, the GRASP team developed the world’s largest salmon gene “chip,” or microarray, which allows scientists to study 16,000 genes at once to determine their function and sensitivity to disease and environmental conditions over time. The technology is now used by 40 research laboratories worldwide to study many aspects of salmonid biology and conservation.

Over the next three years, the cGRASP project will build a genetic map for other salmonids, including Pacific salmon, trout and smelt. The team also plans to develop a 26,000-gene chip and to identify salmonid genes that regulate the immune system and control growth and development. The results will be used to answer questions of economic and social importance to conservation, aquaculture and the environment.

“The ultimate goal of this project,” says Koop, “is to understand how salmonids react to a changing environment and to identify the adaptive characteristics that will improve their survival, whether they’re swimming in an aquaculture pen or in the open ocean.”

Koop is the Canada Research Chair in Genomics and Molecular Biology and director of UVic’s Centre for Biomedical Research. For the cGRASP project, about a dozen people in his lab will be involved in developing the gene chips, identifying genes, testing applications, and studying genes of the immune system.



JESSICA GILLIES

Welcome to a new year!

First Contact volunteers (l-r) Patrick Chard, Justine Durrant, Alexandra Steinmetz and Jeremy Peters ham it up on the steps of the UVic Bookstore. First Contact, one of UVic’s many orientation programs, is for first-year students living in residence. It includes the popular Front of the Line program that gives students exclusive access to the bookstore, ID centre, and athletics and recreation. The university is expecting about 4,200 new students this fall.

New program enhances success of aboriginal students

by Patty Pitts

As the Saanich Traditional Singers performed songs of prayer and honour in the Maltwood Gallery on Sept. 8, the University of Victoria and the Canada Millennium Scholarship Foundation announced a new research partnership to improve the retention and success of aboriginal students.

The LE,NO~~NET~~ project, the first of its kind in Canada, will provide financial, academic and cultural support to aboriginal students at UVic during each of the next four academic years. LE,NO~~NET~~ (pronounced le-non-git) is a Sencoten word meaning “success

after enduring hardships.”

“As part of our mandate to improve access to postsecondary education in Canada, our foundation is committed to understanding how we can improve the success rate of aboriginal students on campus,” said Norman Riddell, the foundation’s executive director and CEO. “Aboriginal students face unique barriers to success in higher education. The LE,NO~~NET~~ project will explore ways of breaking down those barriers and enabling aboriginal success in higher education.”

The LE,NO~~NET~~ project will provide non-repayable financial assistance, peer mentoring, academic apprenticeships and community

internships. About 400 aboriginal students enrolled at the university during the next four years, the majority of whom will be in their first year of study, will benefit from the various programs.

“I’m very proud that we’re taking the lead in this important, ground-breaking initiative as part of our commitment to improving and enhancing the postsecondary experience of aboriginal students,” says UVic President Dr. David Turpin. “Thanks to the support from the Canada Millennium Scholarship Foundation, we’ll be able to build on UVic’s ongoing

SEE NEW PROGRAM P.6

Federal funding expands ocean research

Oceans research at the University of Victoria got a boost in August with the announcement of \$1.8 million in funding from Western Economic Diversification Canada (WEDC) to support projects related to oceans research and technology.

Dr. Olaf Niemann (geography) receives \$900,000 to purchase an airborne hyperspectral spectroradiometer for his remote sensing research. Niemann uses ground-based, airborne and satellite-based imaging systems to collect and measure reflected sunlight at various wavelengths.

Remote sensing information can reveal the condition of targets such as water surfaces or vegetation canopies. It’s used in various applications, such as determining the risk factor for forest fires or the extent of pine beetle infestation. Niemann also uses the data to



DIANA NETHERCOTT

Olaf Niemann explains remote sensing capability to Stephen Owen, Minister for Western Economic Diversification Canada, and Keith Martin, MP for Esquimalt-Juan de Fuca.

SEE OCEANS RESEARCH P.5

Student sleuths have more “cold cases” to solve

By Jessica Gillies

Student sleuths will soon have more historical mysteries to solve on the “Great Unsolved Mysteries in Canadian History” website. An additional \$457,000 from Canadian Heritage under the Canadian Culture Online program will fund three new mysteries on the popular national website.

History students and teachers will be able to sift through online evidence about a suspicious, devastating Montreal fire in 1734, the mass murder of an Ontario family in 1880, and the mysterious death of a Doukhobor leader in B.C. in 1924.

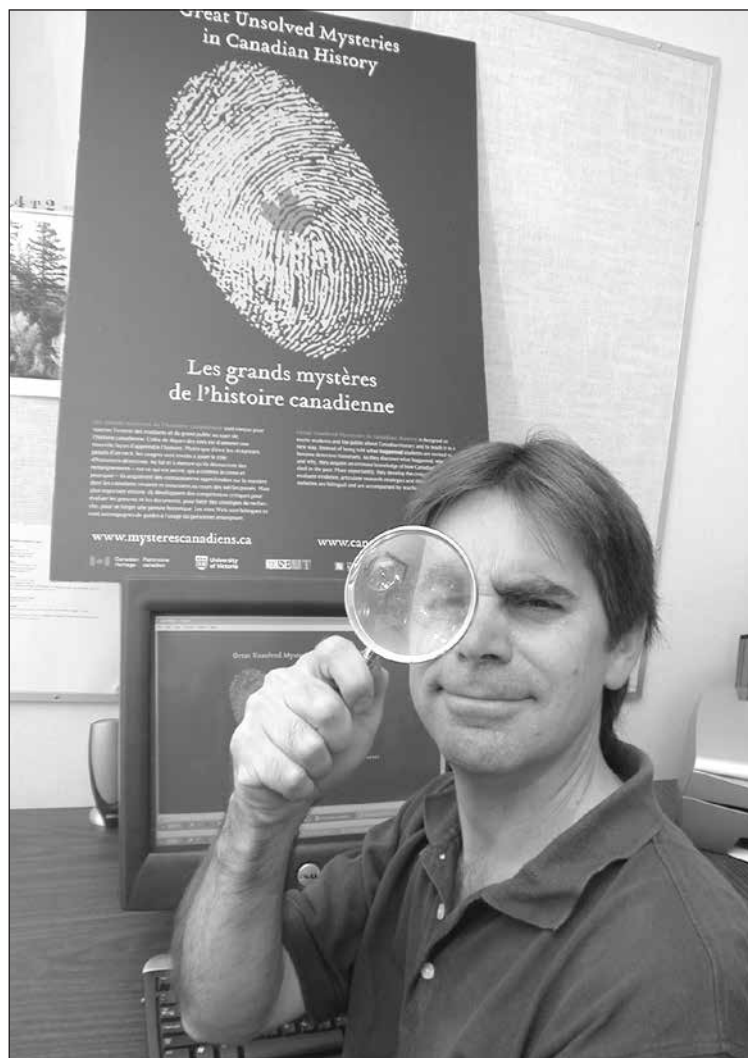
The new additions to the website’s current three mysteries will be developed by the project’s co-director, UVic historian Dr. John Lutz, and research teams in various areas of the country.

“In the mysteries project we turn students into historian detectives and invite them to do the exciting work of history. Normally, we tell students what happened when we teach history, but in this project we ask them to tell us,” says Lutz.

“Torture and Slavery: Angélique and the Burning of Montreal” is one of the new mysteries under development. Marie Angélique was a black slave accused of setting fire to Montreal in 1734 to cover an escape with her salt-smuggling lover, an exile from France. She confessed under torture to starting the fire, but she also stayed with her mistress to help save her possessions while the fire burned. Did she really start the fire?

“Stones from Heaven and Hell on Earth: The Massacre of the Black Donnellys” is the story of a family killed by a mob in 1880 Ontario. One young boy survived to identify the mob’s ringleaders, including the local constable. Two trials ended without a guilty verdict, but why?

The third new mystery, “The Ex-



JESSICA GILLIES

Lutz

plosive Death of Peter Lordly Verigin,” details the 1924 explosion of a train car near Brilliant, B.C. Verigin, the aristocratic leader of the Doukhobor religious community, was killed, as were his 20-year-old female companion, a member of the legislative assembly, and four other people. Many theories about those responsible for the explosion abound. Was it dissident Doukhobors, government agents, old Russian enemies, or something else?

Once the new sites are up and running they will be offered in both English and French. Lutz hopes to ultimately have 13 mysteries on the

site for students to solve.

The Unsolved Mysteries project is a partnership of UVic, Université de Sherbrooke, Mount Royal College, the Ontario Institute for Studies in Education, the Critical Thinking Consortium, and Hot House Marketing.

Each of the new mysteries will have teachers’ guides, a virtual 3D component, and WebQuests—targeted assignments for students from kindergarten to Grade 12.

Visit the Great Unsolved Mysteries in Canadian History website at www.canadianmysteries.ca/mysteriessen.html.

Chancellor acclaimed to second term

University of Victoria chancellor Ron Lou-Poy has been re-elected by acclamation to a second three-year term effective Jan. 1, 2006.

“As chancellor, Ron represents UVic with grace and dignity both at home and abroad,” says UVic President Dr. David Turpin. “His acclamation is testimony to the respect and affection he has earned during his first three years in this position.”

Lou-Poy is a third-generation Victorian, graduate of Victoria College (UVic’s forerunner), and the senior partner with Crease Harman and Co., the oldest law firm in the province. Throughout his legal career, much of Lou-Poy’s community involvement

has been with UVic.

He served two terms on the university’s board of governors (1972-74 and 1992-95) and was an original director of the UVic Innovation and Development Corporation. The Lou-Poy family supported the construction of the Harry Lou-Poy Infant and Toddler Child Care Centre at UVic in 2001, named for Ronald Lou-Poy’s late father. The family also created the May and Ron Lou-Poy Fund of Excellence in the faculty of law.

As the university’s titular head, the chancellor confers the university’s degrees and is a member of the UVic senate and board of governors. The university’s convocation, which elects

the chancellor, includes the president of the university, the members of senate, all faculty members, all graduates of the university, honorary degree recipients and staff with degrees.



Lou-Poy

Around the ring

It’s time to nominate your outstanding co-workers

Want to acknowledge the great work your co-workers are doing? Then say “I noticed” by nominating them for a President’s Distinguished Service Award. Established in 2002 by President David Turpin, the award recognizes outstanding university employees who have helped improve the university and the outside community. The award has two categories: individual or team. Any UVic employee or recognized student organization can nominate an individual, group or team. Winners will receive a plaque and \$1,000 for professional development (\$6,000 maximum limit in the case of team awards). The nomination deadline is Oct. 31 and results will be announced at the president’s holiday reception in December.

University recognizes contribution of seniors

The UVic centre on aging is acknowledging the range of contributions that local seniors have made to the capital region by presenting them with Valued Elder Recognition Awards (VERA). The VERA awards will be presented on Monday, Oct. 3 from 2-4 p.m. in the Hotel Grand Pacific. Oct. 3 is the International Day of the Older Person. After the awards presentation, UBC economics professor Dr. Robert Evans will give a lecture entitled “Apocalyptic Demography: The Use and Misuse of an Aging Population.” He’ll make the point that an aging population is a mark of success yet popular and media rhetoric typically treat Canada’s aging population as a serious threat to our collective well-being.

UVic writers showcase their work

Eight faculty members from UVic’s writing department will read from their work on Sept. 27 at 7:30 p.m. in the Human and Social Development Building, room A240. It’s an annual opportunity for students and the general public to become familiar with the faculty members and their poems, fiction, films, plays, creative non-fiction, and journalism. The evening will feature previously published pieces, and new work, from Maureen Bradley (film), Lorna Crozier (poetry), Bill Gaston (fiction), Lorna Jackson (fiction), David Leach (journalism, creative non-fiction), Tim Lilburn (poetry), Joan MacLeod (drama) and Lynne van Luven (journalism, creative non-fiction). Admission is free. For more information call 721-7306.

Tsunami reconstruction could improve living conditions, says geographer

Immediately after natural disasters such as last year’s tsunami in Southeast Asia, affected countries mobilized to rebuild homes and businesses as quickly as possible, often in the same places they’d always been. But UVic geographer Dr. Philip Dearden, recently returned from assisting in the reconstruction effort in Thailand and Sri Lanka, says this is not necessarily the best approach. He’s advising citizens to turn the destruction into an opportunity to rebuild in a sustainable fashion that will provide a livelihood and lessen the impact on the environment for decades to come. In Thailand, Dearden worked with the scuba diving industry. “Scuba diving is a way of developing economic support for local communities,” he says. “Visiting scuba divers pay \$500 a day for the experience, but they won’t pay if the coral reefs are destroyed. We’re trying to make that connection between conservation and local economic support. People come to see that it’s in their own best interests to protect the coral reefs.” In Sri Lanka, Dearden worked mainly with national parks, developing visitor centres and gift centres that sell local handicrafts. “The more money you get into local villages, the less need for the citizens to engage in activities that damage the environment.”

Pro Bono law students launch event

Join the Pro Bono Students Canada (PBSC) at their Victoria launch event at 12:30 p.m. on Sept. 15. The event will take place in room 157 of the Fraser building at UVic, and the keynote speaker will be Jamie Maclaren, a practising lawyer and executive director of Pro Bono Law of B.C. The UVic pro bono program, now in its second year, will have 50 UVic law student volunteers assisting 13 community organizations with legal research, public legal education, and more accessible plain language documents over the coming year. Co-founded at UVic by students Andrea Luey and Alonzo Abbey, the program is part of a national association of law students who work with public interest organizations under the supervision of lawyers from the community.

First Nations students host welcoming feast

The Native Students Union (NSU) is hosting a welcoming feast for the university’s First Nations students, faculty, staff, and their families from 5-9 p.m. on Sept. 14 at the former Vertigos nightclub in the Student Union Building. The annual event is free and will feature traditional aboriginal performers. “This is an opportunity to introduce ourselves and let the students know what it is we do and what services we can provide for them,” says Joe Kruger, NSU’s social and cultural counsellor. “We also invite elders and others from the local communities to attend so that our students can meet with them and learn about our territorial hosts.” For more information call the union at 472-4394 or e-mail nsu@uvss.uvic.ca.

the ring

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JESSICA GILLIES

First in line

Darlene Winter, payroll clerk in facilities management, holds up her new employee bus pass. Winter was the first person to buy the new pass on Aug. 15. The pass is available to UVic employees for a monthly price of \$38, a savings of \$22 on the regular monthly pass offered by BC Transit. "It's a great solution for people getting to and from UVic," says transportation demand management co-ordinator Allan Dunlop. "It's a bargain, and the response so far has been phenomenal."

The bus pass allows employees to not only travel to and from the university, but around the region as well. "This pass is the first of its kind in Western Canada," says Dunlop. "Because of the co-operation between the Victoria Regional Transit Commission and UVic, the template is now in place for other employers or business groups in the area to put together a similar pass for their employees." To buy a pass, visit campus security in the Security Services Building. For more information, call 721-6683 or visit transportation.uvic.ca.

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Bob Reimer

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Places still available in *Introduction to Bahá'í Studies*, and *Philosophical Foundations of Indian Religions*. Call 472-4747 to register.

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- DEALING WITH DIFFICULT PEOPLE
- FINANCES AND WOMEN
- GERMAN FOR BEGINNERS
- AN INTRODUCTION TO SPACE



smart people get smarter

UVic to lead health and learning centre

A consortium of researchers and individuals from government and non-governmental organizations will share knowledge, examine research gaps and establish a research agenda for investigating the relationship between health and learning as participants in a new centre announced Aug. 31 in Vancouver.

The Canadian Council on Learning (CCL) Health and Knowledge Centre, led by UVic, will engage institutions and organizations throughout B.C., the Yukon and across Canada. Centre participants will also monitor existing programs and report on their effectiveness to produce evidence-based support for the benefits of learning.

"The members of this centre will be examining health and learning issues across the age spectrum, from youngsters in school to older adults," says Dr. Budd Hall, dean of education and co-director of the centre. "Working groups will focus on different areas

of research and share their knowledge within our centre and with the other regional centres across Canada."

The federal government has provided the CCL with \$85 million in funding over five years, about \$30 million of which will be used for five centres based in different regions of the country. The centres will examine various aspects of learning: adult learning (Atlantic Canada); early childhood learning (Quebec); work and learning (Ontario); aboriginal learning (Prairies, Northwest Territories and Nunavut) and health and learning (B.C. and Yukon).

There are five key UVic participants in the centre.

Dr. Joan Wharf Higgins (physical education) will examine how out-of-school cultural, recreational and athletic opportunities influence physical, mental and social health in youth. Wharf Higgins has just completed an extensive study with community-based agencies on the

Saanich peninsula on how recreation and physical activity can help people at risk for type 2 diabetes.

Dr. Irving Rootman, (human & social development) will work with Dr. Deborah Begoray (education) to apply his ongoing research on the link between health and literacy to the centre's projects. Rootman's current work includes examining how school environments affect student physical and social well-being and evaluating the effectiveness of health promotion programs.

Drs. Ted Riecken and Alison Preece (education) will focus on engaging youth in the process of sharing their knowledge about health and advancing the principles of child honouring, developed by children's entertainer Raffi. These principles, which address the emotional, educational and environmental needs of children, advocate a societal philosophy to improve child welfare.

NEW POSITION FOCUSES ON HOW WE GET AROUND

by Jessica Gillies

Do you want to know what transportation options we have at UVic, or suggest a new transportation initiative? Do you need to connect with the UVic bicycle users committee or Victoria car share co-op? Perhaps you have a question about how you can combine driving with a bus pass, or your bus pass with cycling?

Allan Dunlop is your man.

After years of teaching cycling courses and workshops for Victoria schools, businesses and government agencies, Dunlop started his new job in June as UVic's first transportation demand management (TDM) co-ordinator. Working with colleagues in facilities management, it's his job to find efficient and more sustainable ways of accommodating up to 55,000 trips to and from the UVic campus each day. He's relishing the challenge.

"I find the question of how we get ourselves around to be a fascinating one because there are so

many options," he says. "It takes a wide range of groups to come up with solutions."

Dunlop's duties include: producing educational materials to inform people of their transportation options; administering programs such as the new employee bus pass; organizing upgrades of campus transit stops with secu-

rity lighting and extra seating; and co-ordinating the development of a new bike repair kiosk.

"Transportation demand management is a field that's just starting to take off in North America," he says. "UVic has shown leadership by establishing a position focused on transportation solutions."

A big part of Dunlop's job will be listening to the needs of different groups. "It's important to meet the university's education and research goals while working within our means," he says.

"We're helping to preserve the very enviable campus that we have, as well as keeping it accessible. This involves not only students, staff, and faculty, but also visitors to the campus from the community and elsewhere. We have to listen to the constraints each group has and work to find solutions that address all their needs."

Dunlop can be reached at 472-5646 or adunlop@fmgt.uvic.ca. For more information on UVic's TDM strategy visit transportation.uvic.ca.



Dunlop



TONY SOUTHWELL
CIM, RFP, CFP
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J. MARK GOUWS
CFP, CLU, ChFC

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Income over 10 years			\$1,000				Total 10 year payout \$119,985
Income over 15 years			\$726				Total 15 year payout \$130,766

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INVOKING THE WARRIOR SPIRIT

Apply traditional indigenous philosophies to settle First Nations land claims, urges researcher

by Lynda Hills

To summon strength, unite and commit themselves to action, the Kanienkeha (Mohawk) ancestors of Dr. Taiaiake Alfred performed a *wasáse*—a war dance.

In his newest book, the UVic professor and Canada Research Chair in studies of indigenous peoples calls on all Canadians—native and non-native—to invoke the spirit of the *wasáse* and walk a road of rational non-violence to receive the justice that indigenous people have been denied.

“It’s having the courage to stand up for what’s right or what’s true and the willingness to stand up for it even if it puts you in a place of discomfort,” says Alfred, “It’s a form of resistance that is social, spiritual and psychological, as well as political.”

Even before being named a Canada Research Chair in 2002, Alfred’s research and publications stressed that Canada is still in a colonial relationship with native peoples.

“You can’t have the maturation of this country, or the development of a moral consciousness in the Canadian people that’s not fundamentally hypocritical, without a resolution of the primary justice, which is the stealing of native land and oppression of the people who were here

first,” he says.

In his book, *Wasáse: Indigenous Pathways of Action and Freedom*, he presents strategies he says will decolonize Canada and restore power to indigenous communities.

“Indigenous communities don’t understand that the current government system is designed to keep them oppressed,” he says. “To illuminate that is a challenge, and of course to illustrate that non-indigenous people are beneficiaries of the unjust situation is the challenge on the other side of the equation.”

This spring, Alfred widened the audience for his views by using the UVic-based Pacific Centre for Technology and Culture (PACTAC) to web-cast a seminar on indigenous resurgence, using *Wasáse* as the main text.

“The objective was to help people understand the different ideas in the book, and to get feedback on the different concepts that are laid out,” he says. “It generated a discussion on appropriate responses to the recognition of colonialism.”

Alfred has also developed an interactive website, wasase.org, that promotes his philosophies and strategies. It includes a web log on how ideas from the book are put into practice and a forum for co-ordination of resources and initiatives.

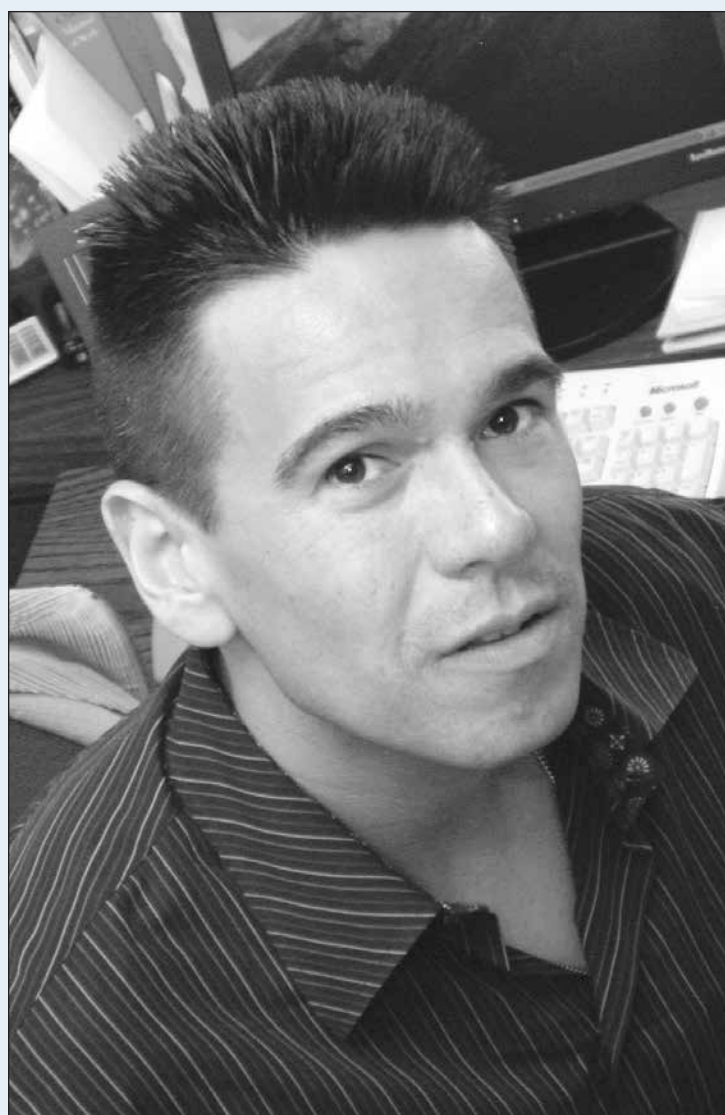
“The site is oriented toward drawing together people who are actually involved in action, rather than just offering information,” Alfred says. “People can log on and take part in a network discussion.”

To engage native and non-native audiences, Alfred makes effective use of mainstream media, participates in public speaking engagements, sponsors native youth movements and works with local communities. He helped develop a partnership of native and non-native people called the Xaxe Tenuw Sacred Land Society, which is an advocacy group for the return of land to native peoples.

Alfred urges non-native people to learn about indigenous peoples, respect their rights, and stand in solidarity if the opportunity arises. “My views aren’t driven by anger or hatred of white people; it’s a positive driving force of wanting justice,” he says.

Alfred believes that progress has been made toward his vision to restore the just foundations on which Canada was built.

“Change is always thought about in terms of a grand turnover or revolution, but I don’t think it happens that way. I think it happens in steps, kind of a gradual process,” he says. “Any movement toward justice, even in public education or changes in government policy or law, is good.”



Alfred

Commerce program gets ready to expand

More students will soon be earning a bachelor of commerce degree from the University of Victoria.

Up to 60 more students will be admitted in September 2006, increasing the capacity of the program by 33 per cent to 240 students per year. Funding for the expansion is coming from the B.C. government’s commitment to provide UVic with 1,900 more seats, part of an increase of 25,000 postsecondary seats province-wide by 2010.

“UVic is growing and it’s a natural step to increase the capacity of the business faculty,” says vice president academic and provost Jamie Cassels. “In the last few years, business has had at least three quali-

fied applicants for every available seat in the BComm program. We’re now in a position to change those numbers.”

“Our faculty has a unique program and we attract high-quality students from around the world,” says Dr. Ali Dastmalchian, dean of business. “This increase means we can better accommodate our local students and still have room for other national or international students.”

The BComm program requires students to complete general course work during their first two years of undergraduate education and then spend their final two years entirely within their group at the faculty of business. The format allows for

integration across subject areas and promotes the building of networks among classmates.

Undergraduates can specialize in entrepreneurship, international business, hospitality management, and management.

The faculty also pre-admits high school students and first-year college students. “Grades are important but not the only criteria,” says Dastmalchian. “A major part of the assessment is based on the students’ leadership abilities and their community involvement and experience.”

For more information on admission criteria, visit bachelor of commerce web pages at www.business.uvic.ca.

United Way campaign kicks off

UVic’s 2005 United Way campus campaign kicks off Sept. 22 with a breakfast at 7:30 a.m. at the University Club. United Way pledge forms will be distributed by campus mail that day.

The goal for the 2005 campaign is to raise \$220,000 for the United Way of Greater Victoria, which provides financial support for a wide variety of community agencies. Last year’s campaign raised over \$208,000.

Popular fundraising events, such as the library book sale and the Engineering Students Society’s 24-hour Bug Push, are back for this year’s campaign.

The first fundraiser will be the United Way barbeque on Sept. 28 from 11:30 a.m. to 1:30 p.m. at the

university fountain. Burgers, both beef and veggie, will cost \$3 and drinks are \$1.

“Last year’s total was up 13 per cent over the previous year which, in turn, was an increase of 28 per cent over the year before that,” says this year’s campus campaign chair Dr. Ron Skelton (psychology).

“I hope our regular donors will continue to assist the United Way with the wonderful work it does in the community and that newcomers will consider making a pledge through payroll deduction. Regular deductions are easy and even modest pledges can add up to help us achieve our 2005 goal.”

For more information on the campaign visit unitedway.uvic.ca.



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Energy and minds

UVic teams up with the B.C. government to study a range of energy and resource issues

“Great success for both parties,” is how the University of Victoria’s vice president research describes a three-year research agreement with the B.C. Ministry of Energy and Mines.

“This has been a very positive experience for all involved,” says Dr. Martin Taylor of the partnership, which has seen UVic researchers and co-op students in the faculties of engineering, science and social sciences work with ministry staff on a variety of projects related to alternative energy, minerals, and onshore and offshore oil and gas.

The university and the ministry signed the Social Science and Science Partnership (MEM-UVic) agreement in February 2003. Its goal is to improve B.C.’s geoscience database and help identify new resource development opportunities in the province’s energy and mining sectors.

“UVic has been very active in building research partnerships with federal and provincial government agencies and it’s clear there have been many mutual benefits to this particular agreement,” says Taylor. Benefits include increased access to infrastructure on both sides, additional research capacity for the ministry, experiential work for students in science and social sciences, and additional funding for UVic research.

To date, the partnership has provided UVic with almost \$1 million in funding for targeted research in support of provincial energy and mining research needs, and for 13 co-op student work terms.

“Some really valuable targeted research results have come out of this program,” says Dr. Ron Smyth, chief science officer with the ministry’s offshore oil and gas division and co-chair of the partnership committee.



“In addition, the ministry has had the benefit of co-op students from a wide range of disciplines, from economics to geology.”

Research project topics have included: novel techniques to assess B.C.’s natural gas potential; the economics of power generation and electricity on Vancouver Island; acoustic modelling of seismic exploration in the Queen Charlotte Basin; the environmental impact of oil and gas exploration on glass sponge reefs; and the mineral potential of formations known as “carbonatites” in eastern B.C.

A project led by UVic mechanical engineering professor Dr. Peter Wild investigated alternative energy systems for the Huu-ay-aht First Nations community near Bamfield on the west coast of Vancouver Island. The community relies solely on hydro and is seeking ways to create jobs, be more energy-efficient and make greater use of renewable energy.

To understand the community’s current and future energy needs, graduate student Christina Iannicello spent four months living there in 2004. “As a result of her work we’ve come up with some ideas that have the potential to benefit the Huu-ay-aht economically and allow them to have reliable power,” says Wild.

The Huu-ay-aht project has raised awareness of energy systems in other First Nations communities as well, adds Wild. “This partnership has enabled the university to develop an entirely new area of research in energy systems for remote communities.”

A project involving UVic economist Dr. John Schofield and graduate student Amy Sopinka evaluated a government incentive program for summer drilling for oil in northeastern B.C.

“Oil companies don’t usually do much drilling in the summer because the ground is too soggy. They prefer

the winter when the ground is frozen,” says Schofield, former dean of social sciences and the other co-chair of the MEM-UVic partnership committee. “Amy’s project was an econometric evaluation of that program.”

A project led by UVic earth scientist Dr. Eileen van der Flier-Keller is mapping the history of glacier deposits in northern B.C. The research gives grad students field experience, and may have economic benefits for B.C. in the gas and construction industries.

“Partnerships such as this bring together the diverse research agendas in our community and expose graduate students to a range of expertise that can’t be covered at the university alone,” says van der Flier-Keller. “Plus, the contacts made will invariably help students to get jobs after completing their graduate work.”

Co-op students worked on projects such as a rock geochemical atlas for

the province, a wind energy policy and an energy efficiency compliance policy, a digital map of the bedrock geology of B.C., and a layperson’s guide to the offshore oil and gas industry in B.C.

Geography co-op student Brendan Mather worked with the ministry’s offshore oil and gas team for a year, maintaining more than 30 of the B.C. Geological Survey’s interactive web maps.

“This was my first co-op job, so I didn’t have any previous work experience related to my degree,” he says. “I could really connect my school work with what I was doing on the job, and the experience helped me to better understand the classes I took before and after my work terms.”

The job also opened up other opportunities for Mather, who graduates in November. “That first work term helped me get a job with the Geological Survey of Canada, which led to my current co-op job at the Vancouver Island Health Authority where I’m making digital maps that track disease data,” he says.

Economics grad Beibei Wang spent two co-op terms analysing offshore oil and gas fiscal and economic policy. “I studied the potential economic impacts of offshore oil and gas development for local communities and B.C. as a whole,” she says. “I also assisted with research into the equalization system that distributes wealth among the provinces.”

The job was a great opportunity, Wang says. “I learned about the oil and gas industry, and was able to use my economics background to analyse situations. Additionally, because I’m not a native speaker of English, it gave me a chance to practise my communication skills. I learned a lot from my supervisors about giving presentations and working with

Oceans research funding continued from p.1

map and monitor the health of coastal environments.

As well, Niemann heads the new UVic-based B.C. Centre for Applied Remote Sensing, Modelling and Simulation (BC-CARMS), based at UVic, and CARMS Inc., a university spin-off company that acts as an interface between BC-CARMS and the commercial world.

BC-CARMS receives \$386,000 from WEDC to develop a business plan and marketing strategy and purchase remote sensing equipment. Additional funding of \$170,000 has been provided through the B.C. Ministry of Sustainable Resource Management.

The university also receives \$298,400 to establish the Ocean Science Development Centre, located in the Technology Enterprise Facility. The centre houses the management team of the Victoria Experimental Network Under the Sea (VENUS), which will provide scientists and the Canadian public with Internet access to seafloor observatories in Saanich Inlet and the Strait of Georgia.

The centre also houses the Canadian management team for the North East Pacific Time-series Undersea Networked Experiments (NEPTUNE), a

massive international effort to create a high-tech scientific observatory network across the ocean floor from Oregon to Vancouver Island. The centre also includes UVic’s Centre for Earth and Ocean Research.

The university receives \$200,000 to purchase equipment for NEPTUNE and \$60,000 to develop a business plan and establish a new not-for-profit society called the Canadian Ocean Information Network Pacific Partnership Office. The network will advance the interests of B.C.’s ocean technology stakeholders, and serve as a network lab for ocean information and technology users in Western Canada.

“The funding to NEPTUNE Canada increases the capacity of the project to transform our understanding of the oceans,” says Dr. Martin Taylor, UVic’s vice president research. “This support for the Centre for Applied Remote Sensing, Modelling and Simulation allows us to create a unique airborne platform with a wide range of vital environmental management applications.”

The funding announcement was made on campus last month by Stephen Owen, Minister of Western Economic Diversification Canada.

Chairs named for human rights committee

Two chairs have been confirmed for the two working groups that are examining ways of creating a more inclusive and supportive environment across campus.

Dr. Andrew Rippin, dean of humanities, has been appointed chair of the educational equity and human rights working group for 2005-2007. The group is examining equity and human rights issues as they pertain to students, the classroom and the delivery of programs.

Sabine Schuerholz-Lehr, assistant director of the office of international affairs, has been re-appointed chair of the employment equity and human rights working group, which advises on equity and human rights issues as they pertain to employees.

Together, the two working groups form the university human rights committee (UHRC), chaired by university secretary Julia Eastman, which advises the

president on equity and human rights issues.

The working groups were re-structured in 2004 following the Equity and Fairness Review Report. The intent is to provide a more open forum for consultation with, and participation by, the university community in equity and human rights issues.

The primary focus of both working groups during the first year of the new structure was to provide input into a new policy on human rights, equity and fairness. That new policy was approved by the board of governors this May.

A topic in the coming year for the educational equity and human rights working group will be “the inclusive classroom.”

“The aim of the working group is to share concerns and best practices from across campus in the expectation that this will encourage further dialogue on important educational equity issues within the many stake-

holder groups beyond the core committee members,” says Rippin.

Meanwhile, the employment equity and human rights working group will continue to work in small task forces to research and discuss specific issues in more detail and report back to the larger group.

“The current task forces focus on disability issues as well as employment equity for all,” says Schuerholz-Lehr. “These areas were identified by the working group as impacting all employees on campus, not just those who belong to a certain group. Working group members feel that by making recommendations around these issues, they’ll have a real voice in bringing about positive change toward more employment equity at the university.”

Further information on the university human rights committee, including a list of members of both working groups, can be found at web.uvic.ca/equity.

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Zoom, zoom

Above, a race car designed and built by UVic engineering students finished second among the Canadian entries at an international engineering competition in July. Finishing 11th overall out of 63 at the Formula Student Competition in Leicester, England, was the UVic Formula SAE team's best finish since its start four years ago. For the purpose of the competition, the students had to assume that a manufacturing firm hired them to produce a prototype car for evaluation that had to be low in cost, easy to maintain, reliable, aesthetically pleasing and comfortable, use common parts and cost less than \$25,000. The team did particularly well in the 22-km test of car performance, reliability and fuel efficiency—typically only one-third of the teams complete the endurance event. The other Canadian universities competing were Toronto (1st), Waterloo (12th), Montreal (13th), and Ryerson (16th).

New program enhances success of aboriginal students continued from p.1

relationship with First Nations communities.

“What we learn through LE,NONET will benefit aboriginal students, challenge our approach to their postsecondary instruction, and assist all universities in improving the retention and success of their aboriginal students.”

The foundation will fund 80 per cent of the \$4.5 million project, with UVic providing the remaining funding. Throughout LE,NONET's duration, project staff will evaluate the progress of program participants and compare it to preceding aboriginal students. After four years, project staff will also produce a program model with an administrative structure, including per student costs, suitable for other universities to adopt.

LE,NONET consists of four projects. In the aboriginal student peer mentoring program, 10 returning UVic senior undergraduate aboriginal students each year will mentor new, incoming UVic aboriginal students to foster the creation of a community among aboriginal students and to help ease their transition to university studies. Mentors will receive training, ongoing support, and a stipend of about \$6,500 per year.

The community internship program will link up to 25 students

with aboriginal communities so that students put the indigenous and western knowledge gained through university studies to use in ways that benefit both students and aboriginal communities and organizations.

Successful applicants will be expected to complete a 200 hour internship and will receive a \$3,500 stipend.

The research apprenticeship program will create opportunities for up to 25 aboriginal students annually to become involved in campus-based research projects.

Students interested in participating in an apprenticeship must complete an on-campus seminar before applying to work with a faculty

advisor. Students will receive a \$3,500 stipend and a course credit for their 200-hour apprenticeship.

A significant component of the LE,NONET project is the provision of bursaries worth between \$1,000 and \$5,000 per academic year (for up to four years) for eligible aboriginal students. The bursaries are intended to supplement existing sources of financial support for aboriginal students who can demonstrate financial need.

LE,NONET bursaries will be administered through the LE,NONET project office, with the assistance of UVic's student financial aid office to ensure due process and financial accounting.



UVic aboriginal liaison officer Bill White, centre, performs with Saanich Traditional Singers Greg and Marilyn Sam at the LE,NONET announcement.



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- Med Lab Assistant, Sep. 29, 4:30pm – 370-4780 for info
- Oracle, Sep. 15, 7:30pm – 370-4563 for info
- Pharmacy Tech, Sep. 22, 7pm – 370-4780 for info

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www.camosun.ca/ce

At the Galleries

www.maltwood.uvic.ca
721-6562

Three River/Wild Waters, Sacred Spaces Until Dec. 23. Exhibit of eight nationally acclaimed artists who journeyed down the Peel, Snake and Bonnet Plume Rivers in 2003. Maltwood Art Museum & Gallery

This is Beautiful Until Sept. 2. A multi-media project that showcases the innate beauty of all women, regardless of age, race, ability, and size. McPherson Library Gallery

At the Theatres

www.phoenixtheatres.ca
721-8000

Accidental Death of an Anarchist (Oct. 4-22)

A farce by Dario Fo is based on a true incident when an anarchist railway worker "accidentally" fell to his death from a police headquarters window.

Tuesday, September 13

Co-op Information Day 10 a.m.–3 p.m. Find out about co-op, how it works and how to get involved. Student Union Bldg. 721-6582

Wednesday, September 14

Music 12:30–1:30 p.m. *Lieder at Lunch*. Explorations of the Ger-

man Lieder repertoire with Sharon and Harald Krebs. MacLaurin B037 721-7904

Lansdowne Lecture 7:30 p.m. *Nanoshells: Using Nanotechnology to Harvest Light for Biomedicine*. Dr. Naomi Halas, Rice Univ. Strong C103 721-7150

Thursday, September 15

Pro Bono Students Canada Official Launch Event. 12:30–1:30 p.m. Pro Bono Students Canada presents: "A Step Closer to Justice" with keynote speaker Jamie Maclaren, executive director, Pro Bono Net BC. Fraser 157. 516-7125

Friday, September 16

Music 12:30–1:30 p.m. *Fridaymusic*. School of music students in a program for various instruments. MacLaurin B125. 721-7904

Wednesday, September 21

Religion and Society Lecture 4:15–5:15 p.m. *God in Contemplative Perspective*. John Whittaker, Louisiana State Univ. Hickman 110. 721-6695

Friday, September 23

Music 12:30–1:30 p.m. *Fridaymusic*. School of music keyboard students. MacLaurin B125. 721-7904

Saturday, September 24

UVic Alumni Travel Expo 10 a.m.–2 p.m. The UVic Alumni and Friends travel program hosts presentations by its travel partners. UVic Downtown (910 Government St.) 721-6000 or alumni@uvic.ca

Tuesday, September 27

Earth & Ocean Science Lecture 3:30 p.m. *News of the Northeast Pacific: The Science of Recent Ocean Anomalies and Unusual Visitors to B.C. Waters, From Massive Ocean Eddies to Jumbo Flying Squid*. William Crawford, Institute of Ocean Sciences. Cornett A120. 721-8848

Wednesday, September 28

Religion and Society Lecture 4:15–5:15 p.m. *Genetically Engineered Food Aid and the History of Agricultural "Improvement."* Shiri Pasternak, UVic. Hickman 110. 721-6695

Lansdowne Lecture 7:30 p.m. *Speaking of Music*. Dr. Leo Treitler, City Univ. of New York. MacLaurin B125 721-7904

Thursday, September 29

In Pursuit of Knowledge Lecture Series 9:30–11:30 a.m. *Genetically Modified Organisms: Frankenfood or Cornucopia?* Ed Ishiguro, UVic. Price: \$16.05. Commons Block Haro Room. To register call continuing studies at 472-4747.

Lansdowne Lecture 3:30 p.m. *The Graphic Representation of Music*. Leo Treitler, City Univ. of New York. MacLaurin A169 721-7904

Lansdowne Lecture 7 p.m. *The Pursuit of Happiness and Environmental Ethics*. Albert Borgmann, Univ. of Montana. Strong C103. 721-7345

Friday, September 30

Lansdowne Lecture 10:30 a.m. *The*

Beginnings of Music Writing in the West. Leo Treitler, City Univ. of New York. Cornett B112 721-7904

Deans' Lunchtime Lecture Series 12–1:15 p.m. *The International Space Station as a Place to Work and Live: What's New in the Social Sciences?* Bob Gifford, UVic. UVic Downtown (910 Government St.) Royal Bank Room. Call 472-4747 to reserve a seat.

Music 12:30–1:30 p.m. *Fridaymusic*. School of music voice students. MacLaurin B125. 721-7904

Monday, October 3

International Day of the Older Person Lecture 2–4 p.m. *Apocalyptic Demography: The Use & Misuse of an Aging Population*. Robert Evans, UBC. Hotel Grand Pacific, Pender Island Ballroom. Please register. 721-6369 or e-mail: lucassie@uvic.ca

Thursday, October 6

Lansdowne Lecture 7:30 p.m. *Women on Top: Livia and Andromache*. Alessandro Barchiesi, Univ. of Siena at Arezzo, and G.H. Spogli, Stanford Univ. Cornett B143 721-8528

Fall 2005 Ring Schedule

Calendar items should be sent by 4 p.m. on the copy deadline date shown below to UVic Communications (Sedgewick C149, fax 721-8955, e-mail ucom@uvic.ca) or entered into the online calendar (www.uvic.ca/events).

For more information call 721-7636.

Publication Date	Copy Deadline
Thursday, Oct. 6	Wednesday, Sept. 28
Thursday, Nov. 3	Wednesday, Oct. 26
Thursday, Dec. 1	Wednesday, Nov. 23

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Sept 22	M & W Soccer vs. U of Alberta	5:30pm
	-free student barbeque	
Sept 25	M & W Soccer vs. U of Saskatchewan	12:00pm
Oct 1	Men's Rugby vs. Cowichan	2:45pm
Oct 7	M & W Soccer vs. Trinity Western U	5:30pm
Oct 9	Women's Soccer vs. UBC	2:15pm

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Student leaders voice issues important to students

There are new faces at the helm of the University of Victoria's two campus-wide student societies.

Penny Beames, who was elected chair of the UVic Student's Society (UVSS) last spring, says she's always been passionate about issues that affect students and young people.

Beames is in her fourth year at UVic and is studying English and professional writing, so it's no surprise that one of her main goals is to improve communication between the UVSS and its roughly 16,000 members.

"A lot of students don't know what the UVSS is or does, and the onus is on us to get the word out," she says. "Students have been expressing that there's a lack of communication, and this board of directors is working to remedy that by having more of a face-to-face

presence on campus."

The board is also trying to make their website more accessible so that students can look for information on their own time.

"Student concerns change on a weekly basis," she says. "The biggest issue is accessibility to education. Students—and their parents as well—want a quality education they can afford. They also want to know that their education is a good investment in their future, so that when they graduate they'll have options and they can feel good about the reasons they went to school."

Tayfun Ince, the new chair of the Graduate Students Society (GSS), is a master's student in particle physics and has always been active in student life. His initial involvement in student politics started when tuition fees were raised in March 2002.

"The first 30 per cent increase woke me up, and by the time I heard the second one was coming, I decided to join and see if I could make a difference," he says. "Students need advocacy."

According to Ince, the number one issue for UVic's 2,400 graduate students is finances, with a close second being the need for more office space. Other issues include teaching positions, wages, and student-supervisor relationships.

"All these things affect graduates," he says. "If students have money issues in their mind at all times, they're not going to do research with a clear mind. We want to figure out how we can get the best out of the supervisors, and the best out of our students so that we can improve what we give back to the university."

Dr. **Max Uhlemann** (educational psychology & leadership studies) has received the President's Award for distinguished contributions to the discipline of counselling from the B.C. Association of Clinical Counsellors. Uhlemann is co-ordinator of the graduate counselling program and a leading expert in the fields of client and counsellor interaction, post-traumatic stress disorder, and ethical and legal practice in counselling and therapy. He's also editor of the *Canadian Journal of Counselling*.

Dr. **William Carroll** (sociology) has won the John Porter Memorial Book Prize for the second time. His recent award, given by the Canadian Sociology and Anthropology Association (CSAA), is in recognition of his book, *Corporate Power in a Globalizing World*. In 1988, Carroll won the award for *Corporate Power and Canadian Capitalism*. The award recognizes excellence in published scholarly contributions that advance sociological or anthropological knowledge in Canada.

UVic's **division of continuing studies** has received the National Program Award from the Canadian Association of University Continuing Education for its certificate in adult and continuing education. The award is shared with the universities of Alberta, Manitoba and Saskatchewan. The four universities jointly developed and deliver the part-time program, which is designed for adult educators and trainers. The certificate was recognized for its links to public and private sectors, its high level of value and service to students and the community, and its ability to overcome institutional regulations by allowing students to transfer credits among the four universities.

Dr. **Carol Harris** (educational psychology & leadership studies) has been awarded the Distinguished Service Award from the Canadian Association for the Study of Educational Administration. The award honours a career of distinguished service in educational administration, and is limited to two recipients each year. Harris received the award for her contributions to teaching, her service to rural communities, and her national and international scholarship.

Dr. **Wolff-Michael Roth** (curriculum & instruction) has received an Exemplary Research in Teaching and Teacher Education Award from the American Educational Research Association. The award recognizes the book *Rethinking Scientific Literacy*, which discusses the relevance of science in students' everyday lives and shows how science learning can be used as a tool to improve communities.

Dr. **Kathy Gillis** (earth & ocean sciences) has been awarded the Keen Medal from the Geological Association of Canada for her frontier research into the geology and geochemistry of the remote depths of the seafloor. The award also recognizes her efforts to guide, promote and educate in the earth and ocean sciences, both in Canada and internationally. Gillis, whose research focuses on fluid-rock interaction in ancient oceanic hydrothermal systems, is the scientific leader for Canada's participation in the International Integrated Ocean Drilling Program.

UVic's commitment to sustainable practices in building construction and operation has earned the **facilities management** department an environmental award from the municipality of Saanich in the development/construction category. Saving energy through an aggressive lighting retrofit program, water conservation through the use of aquatic facility waste water in toilets and urinals, and storm water management through permeable paving systems and rooftop water storage all contributed to the decision to honour UVic with the award.

UVic law professor **John McLaren** has earned the 2005 Ramon John Hnatyshyn Award from the Canadian Bar Association for his outstanding contributions to law and legal scholarship in Canada. Dubbed "Canada's legal history ambassador to the common law world," McLaren is highly regarded for his work on comparative colonial law and his written opinions on the legal regulation and suppression of prostitution, the history of law, discrimination against ethnic minorities in Canada, and the law and religious conscience in Canadian history.

The University of Alberta is giving an Alumni Honour Award to UVic creative writing chair and national award-winning poet **Lorna Crozier**. The award recognizes the significant contributions made over a number of years by 15 U of A alumni in their local communities and beyond. Crozier graduated from the university in 1980 with a MA in English. Her many awards include the Governor General's Award, the Pat Lowther Poetry Award, the Canadian Authors' Association Award, and the First Prize for Poetry in the CBC Literary Competition.

After more than a decade of following the marketing strategies of the pharmaceutical industry, **Alan Cassels** (health information science) and Australian journalist Ray Moynihan have released their book, *Selling Sickness: How the World's Biggest Pharmaceutical Companies are Turning Us All Into Patients*. "The book is about how the pharmaceutical industry is expanding the definitions of disease in order to sell more product," says Cassels. "In the book, we look at 10 different conditions, from cholesterol to menopause, and illustrate various ways in which the selling of sickness happens."

Your honorary degree ideas needed

The first honorary degree was awarded to Lionel Woodville, dean of Exeter and the brother-in-law of Edward IV, in the late 1470s by the University of Oxford. Since then universities across the world have been bestowing honorary degrees.

Since its inaugural convocation in 1964, the University of Victoria senate has awarded more than 330 honorary degrees for distinction and achievement in scholarship, research, teaching, the creative arts and public service. Recent honorees have included Romeo Dallaire, Stephen Lewis, and Diana Krall.

"Any member of the university community or the convocation can

nominate someone for an honorary degree," says university secretary Julia Eastman.

"It's a wonderful way for the university to recognize and honour individuals who have achieved great things and celebrate what we value," observed Chancellor Ron Lou-Poy in a recent letter to the UVic community to encourage nominations.

After the convocation ceremony, the honorary degree recipient's relationship with UVic continues. He or she is encouraged to attend future convocations and remain active alumni of the university. As well, he or she becomes a member of convocation, and can participate

in the governance of the university by electing a chancellor and four members of senate.

To nominate someone for an honorary degree, send a letter of nomination, a curriculum vitae of your nominee, and at least two letters of support to the office of the university secretary, room 410, Business and Economics Building, by Oct. 3.

For more information visit web.uvic.ca/univsec/governance/honorarycriteria.html or call 721-8104.

"Please think about who deserves to be recognized and celebrated by UVic for what she or he has achieved in life," says Eastman. "One of UVic's future honorands could be your nominee."



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