



International employment program wins national award

by Patty Pitts

Each year, hundreds of UVic students gain a global perspective and valuable work experience as part of the university's co-operative education international program. Last month, Scotiabank Group and the Association of Universities and Colleges of Canada (AUCC) recognized UVic's leadership in providing students with international experiential opportunities by presenting the program with an Award for Excellence in Internationalization.

The award recognizes innovative programs that help students prepare for a more global world. Other recipients of this year's award are Université Laval, Glendon College and McMaster University. The awards were presented in Ottawa at the Canadian Museum of Civilization on Oct. 27.

"As a Canadian leader in experiential learning, UVic

strives to give as many students as possible the opportunity to participate in an international co-op placement," says UVic president Dr. David Turpin. "In an international placement, they experience other cultures, gain new language skills and acquire an international perspective. I'm very pleased that the outstanding accomplishments by our co-op program are being recognized through this prestigious award."

With the largest co-operative education program in Western Canada, UVic offers nearly 3,000 students the opportunity to combine study with relevant, paid work terms each year. More than 40 departments in every faculty participate in UVic co-op and almost 14 per cent of all student placements are in international settings, representing 40 countries and 244 employers. Past co-op international work experiences included combating

SEE CO-OP AWARD P.10

UVic leads B.C. universities in energy efficiency

by Patty Pitts

e.Points may not be currency on eBay, but UVic can redeem them to improve its energy efficiency even further, thanks to B.C. Hydro's "e.Points Bonus Program."

BC Hydro has presented UVic with \$84,000 worth of e.Points Bonus in recognition of the university's successful reduction of electrical energy use over the past year. To date, this e.Points award is the highest ever given to a postsecondary institution.

UVic, a Power Smart Partner since 2002, was eligible for e.Points Bonus because it exceeded the minimum annual five per cent energy efficiency reduction campus-wide—a requirement under BC Hydro's Power Smart Partner Program. The university reduced its electricity in a variety of ways, including using energy-efficient materials and methods in new building construction, and turning out the lights in vacant rooms.

Surpassing the five per cent

mark has earned UVic its e.Points Bonus dollars that can now be used toward a future BC Hydro approved electrical energy-saving project.

"UVic strives to incorporate sustainability principles throughout its operations," says facilities management executive director Jerry Robson. "We make a conscious effort to be energy-efficient on campus and through various initiatives. We reduced energy use by over 5.6 per cent last year. Reducing our operational costs allows the university to redirect funds to other areas."

UVic reduced its energy use by 1,403,635 kilowatt hours last year—or the equivalent of the electrical energy used by 1,400 average households.

"UVic's accomplishments over the past few years have been very commendable. Through the Power Smart e.Points Bonus program, UVic will be able to do even more energy efficiency projects," says Brent Billey, BC Hydro key account manager, advanced education.



CHRIS MARSHALL

School of social work assistant professors Robina Thomas, MSW '00 (left) and Jacquie Green, MPA '00 were among the faculty, staff, alumni and students who helped launch the new aboriginal chapter of the UVic Alumni Association.

Aboriginal alumni organize chapter

UVic—in partnership with the UVic Alumni Association and aboriginal faculty, staff and students—hosted the first Celebration of Aboriginal Alumni on Oct. 7 at Mungo Martin House in Thunderbird Park (next to the Royal BC Museum).

More than 100 people attended the event to launch the new aboriginal chapter of the alumni association. The evening included traditional prayers, drumming, songs and words from a variety of alumni, supporters and university representatives.

The chapter will focus on bringing aboriginal alumni and communities together in support of aboriginal students. The new chapter promotes the university's strategic objective to increase the number of First Nations graduates across all faculties and to strengthen UVic's relationships with aboriginal peoples.

UVIC CLIMATE RESEARCH GETS A SUPER-BOOST

by Valerie Shore

UVic researchers have a new, \$12.3-million tool in their quest to understand Earth's past, present and future climate.

Last month, UVic climatologist Dr. Andrew Weaver took delivery of a NEC SX-6 supercomputer—one of the world's fastest—as the centrepiece of a new regional facility for advanced research on climate change.

The supercomputer was acquired through a \$7.46-million in-kind donation from computer manufacturers NEC Corporation and Cray Inc., \$2.42 million from the

Canada Foundation for Innovation, and \$2.42 million from the B.C. Knowledge Development Fund.

"This exceptionally powerful machine will allow us to examine climate questions that haven't been addressed by anyone, anywhere," says Weaver, who is the Canada Research Chair in atmospheric science. Weaver and his team will model the climate system over the last 135,000 years to understand its influence on human evolution—and human influence on climate.

"The high sustained performance and ease of use of the NEC supercomputer SX series were instrumental in Dr. Weaver's choice

of this system," says Tadao Kondo, NEC senior vice president. "NEC is excited to provide support to UVic and the climate community in Western Canada for this study."

"This new supercomputer represents a strategic boost to UVic's research capabilities and it will further enhance Canada's capacity to compete effectively in the global technology arena," says Dr. Eliot Phillipson, president and CEO of the Canada Foundation for Innovation.

"The provincial government continues to support this kind of

SEE SUPERCOMPUTER P.2



Weaver and the newly arrived supercomputer system.

Supercomputer CONTINUED FROM P.1

research, as it puts B.C. and Canada at the forefront of climate change research, and will be a major asset to Canada in international climate treaty negotiations,” says Oak Bay-Gordon Head MLA Ida Chong.

Weaver and his colleagues are world leaders in climate modelling. Over the last 10 years, they have developed an earth systems climate model—made up of sophisticated ocean, sea ice and land ice components—that is now used by researchers around the world.

The new supercomputer—which is made up of 12 components the size of large refrigerators—will help researchers move beyond modelling the physical aspects of climate change toward models that represent the interactions of economic, social, technological and biogeochemical factors, says Weaver.

“There is new and stronger evidence that most climate warming observed over the last 50 years is due to human activities,” he says. “This supercomputer will allow us to refine models to answer with greater certainty the specific questions posed by industry and government so that they can develop realistic policy options for the future.”

This is the first vector-based supercomputer in Western

Canada. Vector computers process data and fetch information from memory in large chunks, as opposed to parallel computers, which process information bit by bit. Vector computing is a huge advantage when dealing with the many variables involved in climate modelling.

The supercomputer will speed up climate simulations by a factor of 20. For example, a recent simulation spanning 20,000 years took six months of real time to complete on the UVic group’s current computer system. The NEC supercomputer would process it in a week.

The supercomputer will be used by faculty, post-doctoral fellows, research associates and graduate students at UVic, researchers from other universities in Western Canada, and scientists within the Canadian Centre for Climate Modelling and Analysis (CCCma), a division of Environment Canada housed at UVic.

UVic’s climate modelling group consists of three faculty members, seven research associates and 14 graduate students. Members come from diverse backgrounds in physics, mathematics, engineering, oceanography and geology and from all over the world.

Japanese computer manufacturer NEC Corporation is one of the world’s leading providers of Internet, broadband network and enterprise business solutions dedicated to meeting the needs of its global base of customers. For more information visit www.nec.com.

Cray Inc. designs and manufactures supercomputers used by government, industry and academia worldwide for applications ranging from scientific research to product design and testing to manufacturing. Cray is a re-seller of NEC SX series supercomputers in North America.

The Canada Foundation for Innovation is an independent corporation established by the federal government to strengthen the ability of universities, colleges, research hospitals and non-profit research institutions to carry out world-class research that will benefit Canadians.

The B.C. Knowledge Development Fund provides capital funding for research equipment and facilities for public postsecondary institutions, teaching hospitals and affiliated non-profit agencies. It is administered through B.C.’s Ministry of Advanced Education.

UVic forms palliative care research teams

by Maria Lironi

UVic professors are leading two Canadian Institutes of Health Research (CIHR) projects designed to boost research on palliative care.

The New Emerging Team (NET) grant provides five years of support for the creation or development of teams of independent investigators doing collaborative multidisciplinary research in Canadian research institutions. By providing these NET grants, CIHR hopes to build capacity to do research in palliative care, to build new research teams, and to give researchers a building block for applying for research funding in the future.

Drs. Francis Lau (health information science) and Peter Kirk, research director of the Vancouver Island Health Authority, will use their \$1.097-million NET grant to co-ordinate studies on improving communication between care providers, patients and families.

The six team investigators include Drs. Mary Ellen Purkis (nursing) and Pat MacKenzie (social work). The five collaborators on the team include Drs. Denise Cloutier-Fisher (centre on aging/geography) and Janet Bavelas (psychology).

“Do patients tell their physicians the same message that they share with nurses or counsellors?” Lau wonders.

“Do different care providers communicate in a way that enables meaningful sharing? We need to learn how to communicate with our patients and give them sufficient information about their prognosis and alternatives so that they can make informed decisions.”

Dr. Kelli Stajduhar (nursing/centre on aging) will co-lead a six-person team of researchers from across Canada with Dr. Robin Cohen, research director and assistant professor of palliative care at McGill University. The team, which includes Dr. Neena Chappell (sociology/centre on aging), will use its \$1.36-million NET grant to examine the problems faced by family caregivers.

“We know that care-giving can be very burdensome for some families,” explains Stajduhar. “Our goal is to enable family members to provide care if they wish to do so without endangering their health. There are financial, social, psychological and physical problems that are the result of care-giving—we want to lessen the health risk and also inform policies, provide support and train people to become researchers in the field.”

The funding for 33 CIHR projects across Canada was announced recently by Tony Ianno, Minister of State for Families, at the 15th International Congress on Care of the Terminally Ill, held in Montreal.

Globe & Mail issues university report card

UVic students gave the university high marks in this year’s *Globe and Mail University Report Card*, landing UVic an A– overall rating for education in the online survey’s medium university category.

Students praised faculty members’ knowledge of subjects (A) and faculty access outside of classroom hours (A–). They also gave an A– to UVic’s computer accessibility, library, and overall educational experience. Students reserved their highest marks, A+, for the attractiveness of the university campus.

UVic earned a B+ in the same university category for its student services, earning high marks for its recreation and sports programs (A–) and the students’ sense of personal safety

and security (A+). Students also gave an A– to UVic’s bookstore, the ease of course registration and online library resources. Students gave UVic’s overall quality of on-campus buildings and facilities, health services, and physical facilities a B+.

Overall, 27,811 Canadian undergraduates, all current full- or part-time students who are also members of the studentawards.com online database, participated in this year’s survey.

A “medium” university is classified as an institution with between 12,500 and 25,000 students. The ratings are based solely on student opinion, derived from answers to more than 100 questions.

Help the gardens grow

It’s the next best thing to being there. The 2005 Finnerty Gardens Calendar is now available in all of its floral glory. This is the third edition of the fundraising effort—featuring the fine photography of UVic alumna and occupational health and safety co-ordinator Daphne Donaldson—in support of improvements and additions to the campus gardens. The calendar is available at the UVic Bookstore.



the ring Vol. 30 No. 10
The Ring is published by UVic Communications on the first Thursday of every month, except August.

Director Bruce Kilpatrick
Managing Editor Valerie Shore
Production Beth Doman
Contributors Maria Lironi, Mike McNeney, Patty Pitts, Valerie Shore, Chris Thackray, Lynda Hills
Advertising Bonnie Light
388-5321 or ringads@uvic.ca
Calendar Mandy Crocker, ucom@uvic.ca
Printer Island Publishers

The Ring, PO Box 1700,
University of Victoria, Victoria, B.C. V8W 2Y2
Tel: (250) 721-7636
Fax: 721-8955
e-mail: ucom@uvic.ca
Website: www.uvic.ca/ring

The Ring reserves the right to select and edit all submissions. Material contained in The Ring may be reprinted or broadcast freely under permission. Credit is not necessary, but would be appreciated. Canadian Publications Mail Agreement No. 40014024.

PEOPLES DRUG MART **PEOPLES PHARMACY**
On Campus

Enjoy fast, convenient, professional service for your pharmacy and prescription needs, right on campus!

Faculty, staff and students now have a choice when fulfilling their health needs. Peoples Pharmacy On Campus can fill any prescription new or old, and makes transferring prescriptions easy. Simply talk to pharmacist Naz Rayani or Laura Beattie, bring in any new prescription, or prescription for refilling, and we can quickly fill or transfer your prescription records.

- FREE Prescription delivery on campus

721-3400 Student Union Building #A-102
Hours: Mon. to Fri: 9 am- 5 pm.
pdm323@pdmstores.com

Innovation awards salute entrepreneurial spirit

Three Idea to Innovation (I2I) awards have been won by UVic researchers.

Run by the Natural Sciences and Engineering Research Council, (NSERC) the I2I program recognizes innovative university research projects that have strong technological and commercial potential, and provides funds for the projects to move into the next stage of development.

Dr. Tom Fyles (chemistry) has been awarded \$54,500 to develop an inexpensive disposable chemistry sensor that can gauge pH and oxygen levels in water. "As it is now, a sensor can cost several hundreds of dollars," says Fyles.

Fyles also received a second I2I award, worth \$110,500, to advance research on a long-lasting and environmentally friendly compound to prevent boat fouling. "Fouling is when algae and barnacles attach to boats," he says. "The accompanying drag on the boat drives up the fuel costs."

A \$125,000 award to Dr. Issa Traore (electrical & computer engineering) will allow him to expand his research on a biometric computer security system.

"Biometrics identifies an attribute of the human body such as a fingerprint," Traore says. "This project is different because instead of relying on a password, the security system distinguishes how an individual interacts with their own mouse and keyboard."

UVic's Innovation and Development Corporation worked in tandem with the researchers to put together the application packages. "The fact that we put in six applications and three were awarded shows the high-level quality of our researchers," says IDC vice president Doug Tolson.

He encourages other UVic researchers to look about their projects. "It's important for people to be aware of the additional funding opportunities out there," he says.

Astronomer joins elite citation list

by Valerie Shore

UVic astronomer Dr. Julio Navarro has become the third UVic scientist to be named one of the world's most "highly cited researchers" by Thomson ISI.

The designation means that Navarro's research has been extensively cited by other scientists in their publications. Citations are footnotes or references published within a scholarly paper that acknowledge the work and findings of others. Citation is an important way to measure a researcher's influence through time.

"It's certainly an honour to join this list," says Navarro, who is currently on sabbatical leave at the Max Planck Institute for Astrophysics in Garching, Germany. "Citation count is probably one of the least flawed ways of measuring the impact of someone's research on the part of his or her peers."

Navarro's research in theoretical cosmology focuses on the structure and dynamics of the stellar, gaseous and dark matter components of

galaxies. In recent years, he's made several significant contributions to his field. Together, three of his publications have been cited more than 2,300 times in the scientific literature—a remarkable achievement at such an early career stage.

To compile the list of most highly cited researchers, ISI analyses millions of articles published between 1983 and 2002 in 21 broad categories in the physical and life sciences, medicine, engineering and the social sciences. Researchers are selected for inclusion based on the total number of citations generated by their publications within a given category.

The online database ISI-HighlyCited.com enables researchers from throughout the world to identify individuals, departments and laboratories that have made fundamental contributions to the advancement of science and technology in recent decades.

The university's other two "highly cited researchers" are UVic president and plant physiologist/biochemist Dr. David Turpin and Dr. Don Vandenberg (physics & astronomy).

“Looking at the artifacts so carefully involves you much more with the exhibit.”



Daley

Student puts her own touch on Maltwood exhibit

by Lynda Hills

"What interests me is interpreting information and artifacts and making their histories come alive for other people as much as they do for me," says Kate Daley, a student in UVic's cultural resource management program.

This summer, Daley had a chance to put her learning to work as a curatorial assistant for the Maltwood Gallery's current exhibit, *A Woman's Place: Art and the Role of Women in the Cultural Formation of Victoria, 1850s-1920s*. "It was a real learning experience," she says.

Daley, who graduated with a degree in history and anthropology, decided to enrol in the cultural resource management program after travelling in Sri Lanka and volunteering at an archeology museum in Jaffna. The experience inspired her to go into museum studies.

The cultural resource management program is a post-degree and professional development diploma that allows students to work and study at the same time. Most instruction is online or in one-week

intensive courses.

Daley became involved with *A Woman's Place* by attending Community University Research Alliance (CURA) meetings and volunteering her research skills. When CURA acquired funding to install the exhibit, Daley was hired to work with curator Dr. Karen Finlay through a Young Canada Works grant as a summer curatorial assistant.

"*A Woman's Place* brings together many different artifacts from a lot of different collections in Victoria that wouldn't normally be together," says Daley. "We also have items from collections that don't have space of their own to exhibit."

Twelve donors contributed to *A Woman's Place*, and finding the collections often required some sleuthing. Two-thirds of the artifacts are from the B.C. Archives and the Royal BC Museum (RBCM). Other contributors include the Sisters of St. Ann's and heritage homes such as Point Ellice House and Helmcken House. Word-of-mouth was also helpful in identifying collections.

The best part of the process for Daley was installing the exhibit.

"We unwrapped all the artifacts and figured out how everything was to be set up," she says. "In one day the gallery turned from a mess of bubble wrap to looking like a museum."

Part of Daley's job was to check for cracks and dents for the condition reports on objects. "Looking at the artifacts so carefully involves you much more with the exhibit," she says. "Especially as I've been learning so much about the women who created the objects. It makes these women more real and tangible when you get to touch their work."

Through the cultural resource program, Daley is now working as an intern at the RBCM. She's also hoping a proposal she helped to create, *A Woman's Place* virtual museum, will be accepted.

"I think what people find the most interesting about museums are the little incidental, individual things that people can relate to on a personal level," she says.

A Woman's Place runs at the Maltwood Museum and Art Gallery until Jan. 11. For more information call 721-6562 or visit www.maltwood.ca.

International Project Management

TAKE IT TO THE NEXT LEVEL

Postgraduate

Take your degree to a whole new level of success.

Learn to manage international development projects overseas.

International Project Management is the only postgraduate program in Canada that shows you how your degree can change the world.

Call 416-675-6622, ext. 3032 or email rupen.das@humber.ca for further information.

Apply for all Business School programs at the OCAS web site - www.ontariocolleges.ca

Seating is Limited!

APPLY NOW!

HUMBER
The Business School
www.business.humberc.on.ca

TONY SOUTHWELL
CIM, RFP, CFP
Former member, UVic Board of Pension Trustees

J. MARK GUWS
CFP, CLU, ChFC

RETIREMENT INCOME OPTIONS

Monthly Income Based on \$100,000

Life Insurance • RRSPs • Annuities • Investment Funds

REGISTERED RETIREMENT INCOME FUND (RRIF)	AGE	55	60	65	69	75	80
Minimum Payout*		\$232	\$269	\$321	\$379	\$654	\$711
Total Payout to Age 100		\$239,106	\$209,990	\$185,097	\$167,800	\$146,343	\$136,053
Accelerated Payout:							
Income over 5 years			\$1,850				
Income over 10 years			\$1,029				
Income over 15 years			\$752				
Total 5 year payout						\$111,090	
Total 10 year payout						\$122,548	
Total 15 year payout						\$135,003	

*Based on best current GIC of 4.30%. Returns will vary depending on investment vehicle.

LIFE ANNUITIES	AGE	55	60	65	69	75	80
Male							
...payments cease at death		\$581	\$640	\$732	\$814	\$989	\$1,212
...10 years guaranteed		\$569	\$619	\$689	\$735	\$824	\$947
Female							
...payments cease at death		\$530	\$574	\$635	\$710	\$864	\$1,097
...10 years guaranteed		\$525	\$564	\$617	\$677	\$781	\$911
Joint Life: 10 years guaranteed		\$492	\$524	\$568	\$616	\$714	\$840

Various options concerning guarantee periods and survivor benefits available. Annuities derived from non-registered capital have tax preferred treatment.

...building better retirement incomes since 1974

tsouthwell@solguard.bc.ca www.solguard.com

#402 - 645 FORT STREET VICTORIA BC V8W 1G2

We have Life Income Fund (LIF) figures available upon request.

Ask us for a personalized illustration or a copy of *Your Guide to RRIFs and Annuities*

PHONE (250) 385-3636

Building legacies: new appointment a boon to UVic fundraising

by Chris Thackray

What does Norma Cameron have to do with your will? Quite a lot, if you're thinking of leaving a bequest to UVic.

As the newly appointed manager of planned giving in UVic's development office, Cameron is responsible for managing and expanding a fundraising program that contributes millions of dollars in donations to UVic annually.

Working with individual donors and UVic development officers, Cameron helps arrange donations of financial assets to the university through wills and other financial instruments.

Cameron brings a wealth of experience to the job. A native of Glasgow, Scotland, she moved to Canada and began her career in the banking industry. In 1995 she became a consultant with Vancouver-based consulting firm Spectrum Marketing, negotiating strategic alliances between suppliers of branded products and services and many postsecondary institutions in Western Canada. In 1998, she became director of alumni, development and public relations at the University of Prince Edward Island. Prior to joining UVic, Cameron was manager of planned giving at the University of Manitoba.

"Her experience will be a great advantage," says Birgit Castledine, director of central development services. "We look forward to having someone fully dedicated to raising awareness of planned giving and increasing the number of gifts to the university."

Planned giving to a university can be a complicated business, normally involving the administration of the assets of an estate according to the will of a donor. And planned gifts can take many forms.

"The most common form is including a gift in your will," explains Cameron. "In such cases, the most important step is to determine what the donor wants to achieve—the 'why' of the gift. This step is often confused with 'how' the gift is made—whether through gifts of securities, charitable annuities, real estate, trusts, life insurance policies, or simply cash."



DON PIERCE

Cameron

While it's important to understand the various giving methods and options, and to work effectively with donors' financial and legal advisors, the most important goal for any planned giving officer is to work with the donor and provide them with the comfort that their gift will have the desired impact.

"Gifts can come in many forms—jewelry, cars, china, real estate, cultural property of all kinds, paintings and manuscripts, and archival or research materials," says Cameron. When asked why people make planned gifts, the answer, according to Cameron, is simple. "They want to leave a legacy and make a difference," she says. "For example, many people establish scholarships and bursaries with their planned gifts. It's deeply meaningful when you know your gift will help future generations and perpetuate your legacy forever."

around the ring

Your comments invited for First Peoples House

UVic is seeking feedback from members of the community on the preliminary design and suggested site for the university's First Peoples House. Two consultation sessions are scheduled for Monday, Nov. 8 from 2 to 4 p.m. and Thursday, Nov. 18 from 4 to 7 p.m. in the Michele Pujol room in the SUB. The house is one of UVic's strategic plan commitments to increase the number of aboriginal students graduating from all faculties at UVic. The structure, based on pre-contact longhouses in Coast Salish territory, is intended as a welcoming home for aboriginal students and an inclusive and healing place for the local and global indigenous community and non-indigenous people alike. The design for the 12,160 sq. ft., \$5.5 million building is 70 per cent complete and has been approved subject to consultation. Fundraising for the structure has begun. For further information about the house and to provide feedback online, visit www.uvic.ca/fphouse.

Spend the morning with Pamela Wallin

Be part of a national audience, via a live satellite broadcast in the Farquhar Auditorium on Nov. 8 from 8–11 a.m. and learn about the relationship between Canada and the U.S. from Pamela Wallin, Canada's consul-general in New York. The winner of the Office for Partnerships for Advancing Skills (OPAS) 2004 Visionary Award, Wallin will deliver the address, "Canada-U.S. Relations—the View from New York" during OPAS's eighth annual visionary seminar. Her speech will be followed by a real-time question-and-answer period. Originating from the University of Toronto, the seminar will be broadcast live to university campuses across the nation. Admission is free but space is limited. Call the UVic ticket centre at 721-8480 to reserve your seat. For more information, visit www.opas-partnerships.com.

Tired of the wet weather? Blame the Pacific

Living on the Pacific coast is scenic and spectacular, but apart from serving as the backdrop for shoreline strolling and jogging, the ocean has a major influence on our climate. Prof. Lynne Talley of Scripps Institution of Oceanography at the University of California, San Diego, will discuss that oceanic influence in an upcoming Women Scholars lecture "How the North Pacific Ocean Affects Our Climate" on Nov. 8 at 7:30 p.m. in the Human and Social Development Building, room A240. An award-winning oceanographer, Talley has led expeditions, assembled global data sets, and made outstanding contributions to our knowledge and understanding of ocean circulation, its variability, and its effect on climate. In this lecture she'll explain why B.C. is warm and wet and will discuss the influence of El Niño, and even the Antarctic region, on year-to-year variations in our climate. She'll also show how lessons learned from the North Pacific help us understand global climate change.

The Iraq crisis: a scholar's view

The current turmoil in Iraq will be the focus of a public lecture at UVic on Monday, Nov. 15 in Clearihue A307. In "Iraq: Self-Determination and Democracy Under Occupation" sessional instructor John Measor will discuss what he sees as "the denial of self-determination through examples of occupational policy and its impetus in the growth of the Iraqi insurgency against occupation forces." He'll also outline what mechanisms are envisioned for the hoped-for January elections in Iraq. Measor teaches Middle East politics at UVic and is completing a PhD at the Institute of Arab and Islamic Studies at the University of Exeter in the U.K. He researches the politics of modern Iraq and its integration within the regional and international political system. Measor visited Iraq last spring during the period of American occupation following the invasion, and during the first major wave of the insurgency.

Annual ceremony remembers victims of violence

Members of the campus community and the general public are invited to attend a ceremony to mark the National Day of Remembrance and Action on Violence Against Women on Dec. 3 at 11:30 a.m. Details for the ceremony had not been finalized at press time, but in past years the ceremony has been held by the ziggurat in front of the MacLaurin Building. Classes are cancelled between 11:30 a.m. and 12:30 p.m. on Dec. 3 to enable students and faculty to attend the ceremony. Check the UVic online events calendar and watch the UVic home page for details as the date draws nearer.

Young UVic scholars do well in SSHRC awards competition

UVic has been awarded more than \$2.1 million in 2004 Social Sciences and Humanities Research Council (SSHRC) postdoctoral and doctoral fellowships and graduate scholarships. The awards will be used by 54 UVic students researching everything from infant communication development and the perspectives and needs of older workers to the role of sibling relationships in children's adjustment to divorce and euthanasia in Canada. The scholarships and fellowships range from one to three years.

The puck stops here

With hockey part of the Canadian psyche, it's understandable why so many Canadians are experiencing withdrawal symptoms during the NHL lockout, says UVic English senior instructor Doug Beardsley. The author of two books examining the significance of hockey to Canadians, Beardsley says "hockey is intrinsic to the nature of being Canadian. It has a great deal to do with repressing the dark side of ourselves. Canadians are known as peacekeepers, a nation of bankers; but we have this game where we allow mayhem to take place. The game is an external way of expressing a darker stream of our collective consciousness." Beardsley is offering a second-year English course "Hockey Literature and the Canadian Psyche" in January. Drawing on three novels, collections of short-stories and non-fiction and a play—all by well-known Canadian writers—students will "attempt to articulate the deep hold that the game has on Canadians." Just like hockey, each class will feature three 'periods' and students will be expected to write three essays to earn their grade.

Great Fall Vending Event

Pepsi's Great Fall Vending Event is on. Look for specially marked vending machines on campus. You can win t-shirts, back packs, mini-disc and DVD players, and lots of great free Pepsi beverages!

PEPSI

Event ends November 30th

FIRE AND ICE

UVic researchers explore a potential energy source on—and under—British Columbia's seafloor

by Valerie Shore

Is an answer to Canada's future energy needs lying under the seafloor off the B.C. coast?

It's very possible, says UVic marine geophysicist Dr. Ross Chapman, who has spent the last 10 years studying peculiar ice-like formations on the seafloor known as methane hydrates. Everything he learns about them brings Canada one step closer to tapping into a plentiful source of clean-burning fuel—methane gas.

Using the methane submersible known as ROPOS—the Remotely Operated Platform for Ocean Science operated out of Sidney, B.C.—Chapman and his team are exploring the depths of Barkley Canyon, 80 km off Vancouver Island, where in 2002 they found the largest methane hydrate deposit ever discovered on the seafloor in Canadian waters.

Methane hydrates are molecules of methane encased in "cages" of frozen water. They're formed during offshore subduction events—when the ocean plate of the Earth's crust slides beneath the continental plate—and hot fluids containing gas seep up the sediment column to the cooler ocean floor, where they freeze.

The Barkley Canyon deposits, which look like giant chunks of brie cheese, are about 850 metres below the ocean surface and span an area the size of a football stadium.

Methane hydrates are believed to be twice as numerous as the world's known coal and natural gas deposits. Hundreds of deposit sites have been identified beneath the seafloor off the coasts of Japan, India and Costa Rica, among others, although the technology to tap into them doesn't yet exist.

"We know from previous research that there are deposits under the seafloor all along the B.C. coast," says Chapman, who uses acoustic techniques such as sonar to "see" what lies beneath. "These Barkley Canyon deposits are the largest visible ones we've found. Learning all we can about them will help us figure out whether the gas can be extracted economically and safely."

Studying methane hydrates isn't easy. Chunks decompose into gas and water when they reach the ocean surface. Like a huge Bromo Seltzer, they bubble, fizz and vaporize when exposed to surface-level air pressures.

So, Chapman and his team put ROPOS and its sophisticated instrumentation to work on the

ocean floor. One device cuts off pieces of hydrate and stores them at pressure so they can be brought up to the surface. Another scoops up water samples to measure the concentration of dissolved gases. Yet another presses little pieces of plastic pipe into the sediment to collect core samples.

Chapman has already determined that the hydrocarbons contained within the hydrates are thermogenic in origin. "They're made deep in the sediment in hot reservoirs where they're 'cooked' over a long period of time," he says. "It's the same process that makes conventional petroleum and natural gas."

In fact, these are the first known thermogenic hydrates on the west coast, and are similar to hydrates in the oil-rich Gulf of Mexico. That raises even more questions for Chapman. How are the sites similar? How are these types of hydrates formed? And are they always associated with conventional petroleum resources?

"We know there's oil in the sediment near the Barkley Canyon hydrates," says Chapman. "This is a strong indication that there's a deep reservoir down there that contains natural gas or oil. But where or how big it is, we don't know."



Chapman with the ROPOS submersible.

Chapman's next step is to use seismic systems—small airguns and research arrays—to explore the geological structure several hundred metres below the seafloor.

"There has to be a conduit somewhere that connects the reservoir with what we're seeing on the seafloor," he says. "Finding it will help us understand how the hydrates are formed and how much

natural gas may be out there."

UVic is recognized internationally for its excellence in earth, ocean and atmospheric systems research and education. Chapman's research is funded by the Natural Sciences and Engineering Research Council, the Canada Foundation for Innovation, the B.C. Knowledge Development Fund and the B.C. Innovation Council.

University reviews options for Dunsmuir

UVic is initiating a review of options for the future of its Dunsmuir Lodge Executive Training and Conference Centre and surrounding property.

The project will include feasibility studies, a market analysis and consultation and communication with the community about the potential options. The review process is expected to take six to eight months to complete.

CitySpaces Consulting has been retained by the university to manage the project and obtain any subsequent approvals required.

CitySpaces principal Gwyn Symmons is the project lead.

"As part of our ongoing asset review process, the university has determined that Dunsmuir Lodge is not financially sustainable over the long-term in its current form," says Faye Wightman, UVic vice president external relations. "The building needs significant upgrades and its current size and configuration do not allow for optimal use of the facility."

The options under review include: an increase in the number of bedrooms in the lodge and major

upgrades to the facility; potential partnership with a private sector operator to develop and run the expanded lodge; and possible real estate development on the east side of the property, adjacent to Dean Park Estates.

Dunsmuir Lodge is located at 1515 McTavish Rd. in North Saanich. It was donated to UVic in 1985, and has been operated as an executive conference centre since 1987. Aside from the building of an executive classroom, there have been no major upgrades to the facility since it was donated.



A musical portrait

Thanks to the generosity of Dr. Joseph Kandler (left) and the Johann Strauss Foundation scholarships which he helped establish, pianist Erin Lahay and soprano Nichole Annis spent part of this past summer in Vienna, Austria, studying with some of Europe's top musicians. The two UVic music students showed their gratitude to Kandler by presenting a benefit concert in October with proceeds to support the Strauss Foundation's scholarship program. The foundation recently donated \$120,000 to UVic to endow two music scholarships that will be awarded in perpetuity. In addition, Kandler and his wife, Melitta, have donated \$20,000 to create two supplemental endowed scholarships for each of the Strauss Foundation Scholarship recipients.



Fresh starts

- **CMA-FastTrack Program – Free Info Session**
Tuesday • November 16 • 6:30-7:30pm • Camosun College
Get ready now for next fall! Learn about the Certified Management Accountants of BC FastTrack Program.
Call 370-4565 or email sofbus@camosun.bc.ca for details.

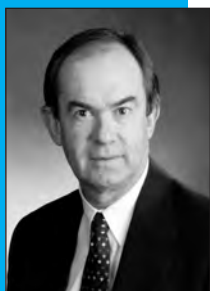
Check the Camosun website for additional business, computer and leadership classes.

Watch for the NEW Continuing Education Calendar December 2
Call 370-4928, Option 5 if we can mail you a copy

www.camosun.bc.ca/ce • 370-3550

UVIC BOARD OF GOVERNORS 04/05

The 15-member board of governors is one of the two primary governing bodies of the university. It includes elected faculty, staff and students, and eight members appointed by the provincial government. Two of the government appointees are nominated by the UVic alumni association. The board administers university assets, approves the university budget, determines fees and student aid, and is responsible for faculty and staff appointments.



Eric Donald, chair—Business consultant

After graduating from UVic in 1969 with an economics degree, Donald spent 32 years at the Bank of Montreal, progressing through the ranks until his retirement as regional vice-president (Vancouver Island) in May 2000. Since then, he has provided management services to small and medium-sized businesses. Donald has served on many boards, including the Friends of the Royal BC Museum, the David Foster Foundation, Science World British Columbia, UVic's business school, UVic's downtown campus advisory board, and Pacific Sport Canada. Donald was appointed by government as an alumni representative to the board.



Ron Lou-Poy—Chancellor

Lou-Poy is a graduate of Victoria College, holds a law degree from the University of British Columbia, and is currently the senior partner with Crease Harman and Co. of Victoria. He's been UVic's chancellor since January 2003. He served two terms on the UVic board of governors and was an original director of the UVic Innovation and Development Corporation. Lou-Poy's many community involvements include the Victoria Police Board, the Kiwanis Club, the United Way, Victoria Crime Stoppers and the Chinese Consolidated Benevolent Association. He is an ex officio member of the board.



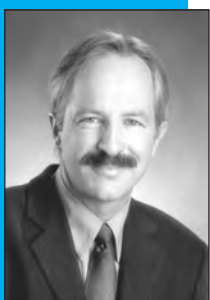
Dr. David Turpin—President

Turpin was appointed UVic's sixth president in September 2000. Prior to joining UVic, he was vice-principal academic at Queen's University. During his first term as president, UVic has developed a strategic plan and a campus plan to guide future development. His presidency has been renewed for a second five-year term, until 2010. Turpin holds a PhD in botany and oceanography from the University of British Columbia and is recognized as one of Canada's most highly cited scientists. He was elected a fellow of the Royal Society in 1998. He is an ex officio member of the board.



Trudi Brown, QC—Lawyer

A graduate of the University of British Columbia, Brown has practised law in the Victoria area since 1973 and is currently a partner in the firm of Brown Henderson. She's a director of the B.C. Law Institute and Pacific Sports Victoria, a trustee of the Nana Foundation, and co-chair of the National Family Law Program. Brown is past president of the Law Society of B.C. and has served as a director of the Continuing Legal Education Society of B.C., the Canadian Bar Association (B.C. branch) and Mt. St. Mary's Hospital.



Peter Ciceri—Business executive

As principal and director of Peter Ciceri & Associates, Ciceri offers business and counselling services to CEOs. Ciceri was previously president of Compaq Canada Inc., and has held senior posts with Tandem Asia Pacific Ltd., Hewlett Packard Asia Pacific Ltd., and Japan Unisys. In 1999 he was named one of Canada's top 10 "IT influencers" and one of the country's top 100 business executives by the *Globe & Mail*. Ciceri holds a BA in economics from UVic and is completing an MA in counselling psychology from UBC. He was appointed by government as an alumni representative to the board.



Dr. Tom Cleary—Faculty

Cleary has taught English at UVic since 1969 and is serving a second term as chair of the English department. He's a graduate of Queens College and Princeton University. He studies Restoration and 18th-century literature and his publications include a political biography of British writer Henry Fielding. His honours include a Woodrow Wilson Fellowship, a UVic Alumni Teaching Award and a 3M National Teaching Fellowship. Cleary has served as president of the Association of Canadian University Teachers of English and president of the UVic Faculty Association. He is an elected faculty representative on the board.



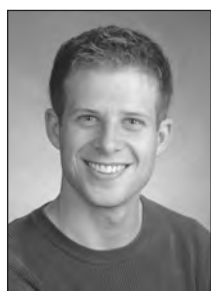
Murray Farmer—Businessman

Farmer is president of Farmer Industries Group Inc., vice president of Accent Inns, and vice-president of Farmer Management Inc., which provides project management services and oversees a portfolio of company-owned commercial properties. Farmer earned a BA in economics from UVic in 1968, is a registered quantity surveyor and, in 1994, completed the Harvard Business School's executive education program. His community involvements include the Royal Jubilee Hospital Foundation, the Victoria Foundation and the United Way of Greater Victoria. Along with his wife, Lynda, he is co-chairing UVic's 2004 Legacy Awards.



Gail Flitton—Public relations consultant

Flitton is a public relations consultant with 30 years of experience in the development and implementation of communication strategies and plans, specializing in large international events. She has been honoured by the Vancouver YWCA as a Woman of Distinction and by the Canadian Public Relations Society as Vancouver Island PR Professional of the Year. Flitton has served on the boards of the Friends of the National Library, the Ottawa-Carleton YM-YWCA, the Jack Webster Foundation, and the Victoria 2000 Summer Games. She is a graduate of the University of British Columbia.



Jonas Gifford—Student

Gifford is a second-year law student who has held many elected positions at UVic, including director of finance of the UVic Students' Society during its recovery from difficult financial times. While earning a BSc in physics and computer science he served on the UVic senate and was a student representative on several university committees, including those involved with admissions, fee reduction appeals, and finance. He spent one summer working for campus housing to develop an emergency social services plan. Gifford is an elected student representative on the board.



Linda Jules—Cultural advocate

Jules holds a cultural resources management diploma from UVic and an archaeology degree from SFU and is enrolled in a BFA program at Thompson Rivers University in Kamloops. From 1985-94 she was museum director for the Secwepemc Cultural Education Society, an organization dedicated to preserving Shuswap language, history and culture. She has also served on the board of the Kamloops Art Gallery, for two years as president. Most recently, Jules was lead proponent for the establishment of Beattie Elementary School of the Arts in Kamloops. She was appointed to the board by the provincial government.



Dr. Peter Kerr—Businessman

Kerr is a professional engineer and president of Surfside Holdings Ltd., which owns and operates a number of apartment buildings in Victoria. He studied at Victoria College, UVic's predecessor, for one year before transferring to the University of British Columbia to complete his BSc and MASC in civil engineering. He later earned a PhD in structural engineering from the University of California, Los Angeles. He has served as a Saanich alderman, a member of the Saanich Police Board and as a trustee of the Greater Victoria School Board, District 61. All three of his children are UVic graduates.



Michelle Kinney—Student

A second-year law student, Kinney is an on-campus activist and advocate for student interests. While studying for an undergraduate degree in women's studies and sociology, she served two terms as an elected executive on the UVic Students' Society. She was UVSS chairperson in 2002, during which she lobbied the board of governors, the university administration and the government regarding the impact of tuition increases. She also participated in consultations on the campus development plan, equity issues and financial aid. Kinney is an elected student representative on the board.



Jane Peverett—Business executive

Peverett, who has been named one of 50 key women in energy on a global basis, is chief financial officer of the B.C. Transmission Corporation. She has also served as president and CEO of Union Gas Ltd. in Ontario and held senior positions at Westcoast Energy Inc. in Vancouver. Peverett holds a commerce degree from McMaster University and an MBA from Queen's University and is a fellow of the Society of Management Accountants. Her other involvements include the board of the Encana Corporation and senate of the Stratford Festival of Canada. She was appointed to the board by the provincial government.



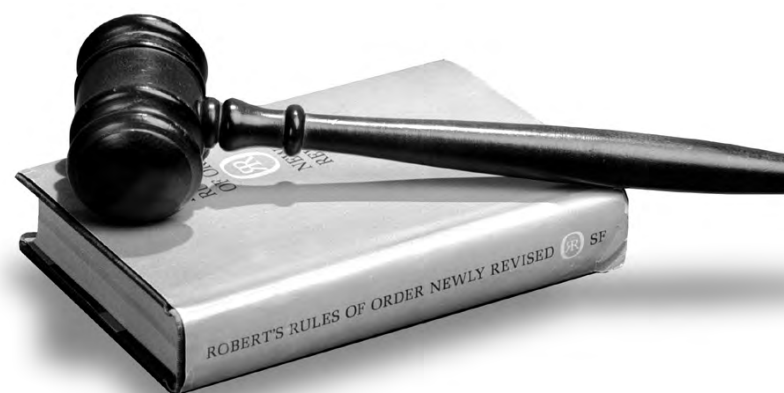
Dr. Bill Pfaffenberger—Faculty

Pfaffenberger, a pure mathematician, has taught in UVic's department of mathematics and statistics since 1969. He earned a BA, MA and PhD from the University of Oregon and worked for two summers with the Naval Underwater Research Lab in the U.S. before joining UVic. He was departmental chair from 1995-97 and has served on many university and faculty committees. He's also held executive posts in the UVic Faculty Association, including president in 2000-02. In 1994, Pfaffenberger won the UVic Alumni Association Award for Excellence in Teaching. He is an elected faculty representative on the board.



Jill Tate—Staff

Tate earned a BA in English and psychology from UVic in 1983 and has been executive administrative assistant to the director of the school of physical education since 1981. She is a past chair of the UVic employee and family assistance program committee and is a member of the staff pension investment committee. She is a strong supporter of lifelong learning, as demonstrated by her promotion of union education, past volunteer work as an adult literacy tutor, and past service on the UVic training and development committee. Tate is an elected staff representative on the board.





Adu-Febiri

"It is important to always give back," says commerce grad

by Dianne George

Finding a way to give back to the community is a major theme in the life of Evelyn Adu-Febiri, a new bachelor of commerce grad who specializes in international business. Emigrating with her family to B.C. from Ghana as a five-year-old helped shape her commitment to the practice of volunteering.

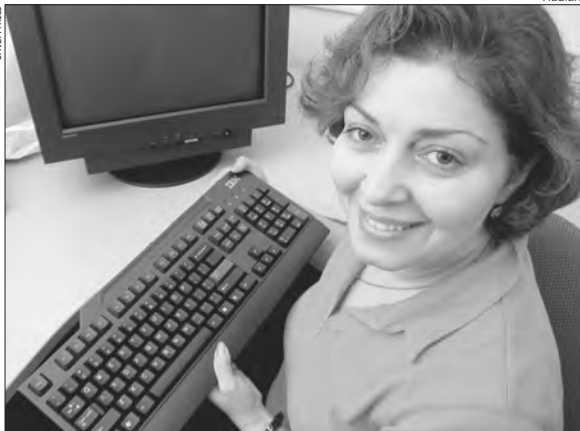
"I believe it is important to always give back," explains Adu-Febiri. "If you have certain skills then you have a responsibility to help others out and give of yourself when you can."

While studying at UVic, she's held down a part-time job, acted as a mentor and peer helper to the Intercultural Association's immigrant youth group and found time to be part of the African/Caribbean Students' Association. As well, she's participated in an academic exchange and a co-op work experience in Singapore—all while maintaining a level of scholastics that ensured she would graduate with distinction.

"It is an incredible feeling to know you're actually impacting people and making a difference just by the way you live your life or by what you're doing," says Adu-Febiri. "It's inspiring to know that others might do something because you've done it, and that it can be done."

"I especially like volunteering with youth—that's the group I love to work with the most—because you can totally influence them, change the course of their life just by the advice you give and by spending time with them. I remember how hard it was to fit into a new culture, learn a new language, and adjust to the weather."

Following graduation, Adu-Febiri plans to earn a chartered accountant's designation and work in finance. Eventually, she might start her own business.



Hadian

Students with disabilities gain an advocate

by Lynda Hills

Sohreh Hadian is hoping to help UVic operate with its eyes closed. By concentrating on visually impaired students, she researched how universities offer Web-based courses and identified important barriers to accessibility.

"Online learning is attractive to disabled students," Hadian says. "They benefit from this environment because they can take courses from home at their own pace."

Hadian, who graduates this month with a master's degree in computer science, has found that one of the key components to online education is accessibility.

"If you don't have access to something, you can't use it," she says. "For example, if you have to wait a long time for things like pictures to download, or if you have recurring problems with the server, then that hinders the learning process."

Hadian chose this focus for her work because she had several visually impaired students in her class while teaching computer science at Vancouver Community College. She experienced first-hand the challenges these students face in a conventional classroom setting.

Visually impaired students typically use a software package called JAWS that reads a computer screen out loud. If the learning tools such as WebCT, the browser and the adaptive technology are not integrated properly, it can hinder the learning process. The study also looked at the instructor's perspective. For an adaptive program to work effectively, she discovered, it has to be done at the basic design and development level.

For example, three years ago the main UVic website used to be "flashy," she says. It now has less graphics and more text, allowing JAWS to read it easier. "Now, while pleasing to the eye, it's also more accessible," she says.

Born in Iran, Hadian studied in Georgia and lived in Vancouver before moving to Victoria five years ago with her family. She's currently an instructor in the computer science department at Camosun College. While studying for her degree, she taught full-time and looked after her young family.

"It was an exciting and fruitful time, but very long, trying and, at times, challenging," she says. "I persevered because I picked a topic that was close to my heart."

Hadian found her motivation by concentrating on the disabled students she believed she could help. "I realized I couldn't walk away from it, I had to get the information out into the community for the sake of my students with a visual impairment."



LYNDA HILLS

John

Grad recognized in his own ceremony

by Lynda Hills

This year's indigenous students recognition ceremony will have a special guest. Roger John, the man who laid the groundwork for this important ceremony, will be one of the honoured students. John graduates this month with a master's of education in counselling psychology.

"Usually I'm the emcee so it will be kind of strange," he says.

John is originally from Shalalth, a small village in the B.C. Interior. He came to UVic in 1989 and graduated with a BA in psychology in 1995. After working at the Victoria Native Friendship Centre as a youth counsellor and family support worker, John returned to UVic as the aboriginal student advisor for the faculty of human and social development.

It was in this role that John established the indigenous students recognition ceremony. Designed to recognize the accomplishments of aboriginal students, the ceremony also provides the opportunity for students to involve their extended families.

"At regular convocation, students were restricted to two tickets and often had to choose between parents, grandparents, children and even their chief," he says.

John points out the value of aboriginal students being recognized within their own communities. Holding the ceremony in an aboriginal environment is also important. In the summer, the event occurs at an Esquimalt Big House and in the fall it takes place at Wawaditla, another First Nation longhouse.

The ceremony includes First Nations dancers, an opening prayer led by a Coast Salish chief or elder, a feast, and then individual acknowledgements. Students are called up by department or school and given a gift by someone in their department of study.

"Students stand on a blanket as a way of raising them up," John says.

Representatives from UVic's vice-president academic and provost office and the dean of human and social development are invited to speak. At the end of the ceremony students also have a chance to speak. "It's their opportunity to thank family," says John.

He stresses the importance of having First Nations children present at the recognition ceremony. "They can see that they can graduate and can still be aboriginal when it's done," he says.

John's friendly face can be seen around the UVic campus as he continues to create a welcoming environment. "UVic is a place where aboriginal students can succeed," he says.

Grad seeks brighter future for Nigeria's children

by Lynda Hills

Oliver Akomas has a long commute—she lives in Umuahia, Nigeria, but studies at UVic.

Akomas, who graduates from UVic this month with a master's degree in child and youth care, took her courses through the Early Childhood Development Virtual University (ECDVU). She's a community nutritionist in the Abia State Ministry of Health in Nigeria.

"My work focuses on the reduction of infant and under-five mortality and disease through improved nutritional practices," she says.

Located in the southeastern part of Nigeria, Umuahia is an urban area with good roads, potable water, an erratic electric power supply, government and private hospitals, and health centres. The town has private primary and secondary schools and education is free at the primary and secondary levels.

Infant and under-five mortality rates in this developing country, however, are quite high. At 120 million, Nigeria is the most populous nation in Africa.

ECDVU is a Web-based graduate degree program being delivered in 10 African nations and five countries in the Middle East.

Akomas first heard of the program when UVic child and youth care professor Alan Pence came to a UNICEF workshop in Nigeria in 2000. "When I found out that I could still do my job and didn't have to leave my family for the three year period of the course, I got interested," Akomas says.

She feels that ECDVU was a well-planned program. "It is broad-based and addresses issues affecting children in sub-Saharan Africa," she says. "I was enriched by sharing experiences with other learners from various African cultures, as well as the resources and information that I received."

Her colleagues in the Abia State Ministry of Health also benefited from the information that she was able to share. "By targeting children's well-being, there will be a beneficial impact to Nigeria's social and economic development," she says.

Akomas plans to be at UVic in person to receive her degree on Nov. 10. Then she'll return to Africa and continue to move early childhood development forward in Nigeria.

"I believe there's a brighter future for our children," she says.

Biology pair investigates the mysteries of tree sex

For the past five years, undergraduate “squirrels” have been foraging on the UVic campus in an effort to unlock the mysteries of tree sex.

Under the direction of graduate students Stephen O’Leary and Brett Poulis, the human squirrels collected conifer cones for a never-done-before experiment. O’Leary and Poulis graduate this month with a PhD in biology.

“When a real squirrel eats a Douglas fir cone, it picks apart each piece to get to the seeds inside,” explains O’Leary. “That’s what our human squirrels were mimicking.”

Conifer fertilization takes place when pollen is blown on the wind and lands on cones. Within these cones are small liquid droplets that capture the pollen and begin the process of reproduction. Until now, the properties of this liquid were a mystery.

“We wanted to find out what is in these droplets, what proteins are present,” says O’Leary. “Until now there was no technology to deal with such a small volume of liquid.”

Fertilization—or tree sex—takes place for only a week at a time per year. The undergraduate students employed by O’Leary and Poulis collected cones for 10 hours a day, going from tree to tree. The cones were then brought back to the lab and taken apart with tweezers. Next, the students extracted the droplets from the cones using a micropipette.

“Finally, we put all the drops into a container and froze it,” says

Poulis. “At the end of all that, we have about one to one-and-a-half a millilitre of liquid, depending on the tree.”

The pair discovered that components within the liquid protected the reproductive events from bacterial and fungal infection. The liquid may also nourish pollen germination and development. “We were pleased because we knew we were pushing conifer science forward, especially in B.C. where softwood lumber plays such an important role,” says Poulis.

Poulis, who earned his undergraduate degree in chemistry and biochemistry at UVic, has seen both sides of tree lore—as a researcher and in summer jobs heli-logging and fighting forest fires. “I like the outdoors, especially since I was born and raised in B.C.,” he says.

O’Leary’s appreciation for trees came later in life. Originally from Nova Scotia, he graduated from St. Francis Xavier University with a biology degree. “I spent a summer in the Gulf Islands working on an algae project and decided I wanted to move back to the Pacific Northwest,” he says. “I’ve been here for six years now.”

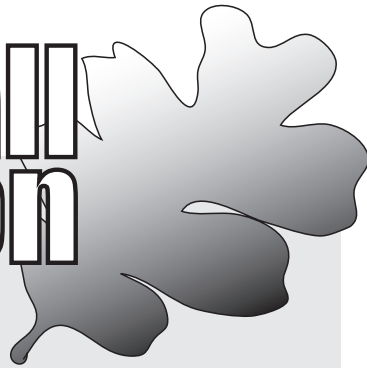
In November, O’Leary starts work in Ottawa as a visiting fellow with Agriculture and Agri-food Canada. Poulis will continue to plumb the mysteries of conifers as a research associate with UVic biologist Dr. Patrick von Aderkas.

O’Leary and Poulis



LYNDA HILLS

Fall Convocation



University awards three honorary degrees

Three lifetime achievers become honorary UVic graduates at this month’s fall convocation.

They are (l-r) Robert Giroux, a leading advocate for higher education, children’s performer Raffi Cavoukian, and author and retired writing professor Jack Hodgins. To find out more about them, visit ring.uvic.ca/04oct07/news/honorary.html. In addition to honorary degrees, more than 1,100 degrees, diplomas and certificates will be awarded to students at the three ceremonies on Nov. 10 and 12.

Alumni association expands teaching awards

The Alumni Award for Excellence in Teaching will expand next year to include a separate category for sessionals and other instructors.

“This is an opportunity to recognize non-faculty instructors who carry a lot of the teaching load on campus, much more than they did 20 years ago,” says Anne McLaughlin, chair of the UVic Alumni Association’s grants, scholarships and awards committee.

The first award category is designated for regular and limited-term faculty, senior instructors, artists-in-residence or librarians—reflecting the research responsibilities of those positions.

The new, second award is for sessional, senior lab, and lab

instructors. “Sessionals play a very important role in teaching at the university,” says Jamie Cassels, vice president academic. “Many are superb teachers and we want to recognize them for their skill and contributions.” The university employs 701 regular faculty and 468 sessional instructors.

Each award includes a cash prize of \$2,000 from the alumni association. As well, the McPherson Library stairway features a photo gallery of 32 past recipients of the award. The UVic Alumni Association established the Excellence in Teaching Award in 1989, the first award of its kind on campus.

Dr. Geri Van Gyn, director of the UVic learning and teaching

centre, calls the expanded award program “a very progressive step. Instructors who don’t hold a regular appointment were somewhat disadvantaged when competing with regular faculty.”

The association is developing specific criteria, and a possible re-naming of the awards. The deadline for 2005 nominations is Jan. 31 and nomination forms are online at www.alumni.uvic.ca/awards/excellence.

The 2004 winner is Dr. Gweneth Doane (nursing). Her award will be presented during the Legacy Awards on Nov. 16, along with Distinguished Alumni Award winners and UVic Sports Hall of Fame inductees.

Some students have more to worry about



than their midterms.

Without the support of bursaries, some very talented students might not complete their degrees. To ensure that students have every chance to succeed, the University of Victoria will offer more than \$3 million in bursaries this year, and will increase funding for undergraduate bursaries by 65% over the next two years. Bursaries are non-repayable student grants that are used to assist students in financial need.

Over the next decade, UVic aims to increase student financial support to a level that places us among Canada’s leading universities in providing financial aid to students. To that end, we intend to raise \$50 million from the private sector to fund more scholarships, bursaries and fellowships.

Your gift of a bursary will help students in need cover the costs of an education. By helping keep their dreams alive, you’ll create the promise of a bright and prosperous future for our community, and for Canada.

Find out how you can help relieve a little pressure.
CALL 250-721-7624 or VISIT <http://development.uvic.ca>



**University
of Victoria**

New blended ceremony honours community leaders

Community leaders will be honoured in a big way when UVic teams up with Leadership Victoria and the Rotary Club of Victoria Harbourside, to present Victoria's Leadership Awards at a fundraising luncheon in January to honour members of the community.

UVic's Community Leadership Awards will be presented with Leadership Victoria's Lifetime Achievement Award and the Rotary Community Leadership Awards. Nominations for the awards must be submitted by Nov. 15.

UVic's Community Leadership Awards recognize exemplary leadership in linking UVic and the community for greater public benefit. Up to two awards will be presented at the ceremony planned for the Delta Ocean Pointe Resort on Jan. 26.

Last year's winners were renowned artist Ted Harrison, the Vancouver Island Health Authority's chief medical officer Dr. Richard Stanwick, and community organizer and multi-culturalism advocate Ben Pires.

This year's award recipients in all three categories will be selected by "The V Awards Selection Committee." Membership includes: a recognized community leader as chair (appointed by Leadership Victoria); two appointees of Rotary Club of Victoria Harbourside; and two appointees of UVic.

Nomination packages can be downloaded from www.leadershipvictoria.ca or by contacting Chris Fraser, program director, Leadership Victoria, at 386-2269 or crpfraser@leadershipvictoria.ca.

The *write* choice

A UVic poet wins the university's top faculty award

by Lynda Hills

"It might have all happened because my Grade 1 teacher gave me a pat on the head and said I could write a good poem," says writing professor Lorna Crozier of her newest honour—UVic Distinguished Professor.

The five-year award is bestowed on a faculty member who has achieved distinction in teaching and scholarly research and has made substantial contributions to the university and the wider community. Each recipient receives a salary stipend and annual research allowance.

"UVic is truly fortunate to have such an extraordinary talent as Lorna's," says Jamie Cassels, vice-president academic. "Her performance in the classroom and in the literary field serves as inspiration not only to her students and colleagues, but also to a new generation of poets and writers."

"Lorna is an outstanding teacher and with a well-established international reputation in research excellence and innovation," says Dr. Gilles Hogya, dean of fine arts. "This award is a natural progression of Lorna's excellence within the academic community and we salute her."

Crozier, a native of Swift Current, Saskatchewan, earned a BA in English and psychology from the University of Saskatchewan and an MA from the University of Alberta. She started her career teaching high school English. While teaching and "trying to instil the love of language in students," she began to write.

Poetry allows insights into the primal experiences of what it means to be human, says Crozier. "There are few other ways we have of charting the human heart. The poem fascinates me so much because there is a tension there all the time. What you want to say resists words, and yet you say it anyway."

Crozier joined UVic in 1991 and is currently chair of the writing department. She continues to make significant contributions to the university and wider community. Crozier was commissioned by CBC radio to write the eulogy for Pierre Elliot Trudeau, as well as a poem to celebrate the Canadians women's

hockey team at the Olympics. Crozier also travels globally, presenting workshops and reading her poetry.

Crozier's work has been translated into a number of languages and garnered many awards. These include: the Dorothy Livesay Award for *What the Living Won't Let Go* in 2000; the Pat Lowther Award for the best book of poetry by a Canadian woman in 1996 for *Everything Arrives at the Light*; and the 1992 Governor General's Award for the best book of Canadian poetry for *Inventing the Hawk*.

Crozier's new collection of poetry, called *Whetstone*, is due out in spring 2005. She has just completed final editing of the first book in a scholarly series about Canadian poetry, featuring her poems. Her next project is a book about the landscape of home—a collection of essays interspersed with poetry.

For her contributions to Canadian literature, Crozier recently received an honorary degree from the University of Regina.

Crozier says she's humbled

at receiving the Distinguished Professor award. "There are really hundreds of distinguished professors on this campus," she says. "To be one among several to receive this award is a great honour because it's not only about what I've written and my potential. It's also about my teaching and other contributions I've made to the department."

Crozier is also pleased that the award was given to a creative artist because she feels writers haven't always been welcomed in Canadian universities. "That's not the case here," she says. "Writers at UVic have been made to feel they are an important part of the institution, that our work is as valid as the work of a scientist or a business professor."

Distinguished professors are nominated by their faculty. The final selection is made by the vice president academic.

No more than three per cent of UVic regular faculty members can hold Distinguished Professorships at any time, and the positions will be distributed among all faculties at the university.

Crozier



LYNDA HILLS

ringers

UVic philosophy professor **Jan Zwicky** has been nominated for 2004 Governor General's Awards in two categories. Her book *Wisdom and Metaphor* is nominated in the non-fiction category and another book, *Robinson's Crossing*, is nominated in the poetry category. Zwicky, a previous Governor General's Award winner for poetry in 1999 for *Songs for Relinquishing the Earth*, is in illustrious company with this year's twin nominations. Previous double nominees have included Mordecai Richler in 1968 and George Bowering in 1969. The winners in Zwicky's two categories will be announced Nov. 16.

Dr. **Sara Ellison** (physics & astronomy) has won the Annie Jump Cannon Award from the American Astronomical Society for her contributions to astronomy. "This prize is open to worldwide competition, so I'm very pleased to be the 2004 recipient," says Ellison, who is the Canada Research Chair in observational cosmology. She studies the chemical evolution of galaxies and, for the last six years, has led an international project to verify the accuracy of using intense points of light known as quasars to study galaxies.

Dr. **Sybil Artz**, director of UVic's school of child and youth care, is the recipient of a 2004 McCreary Youth Foundation Award of Distinction in the research category. The award is presented to a B.C.-based researcher in recognition of sustained research efforts and a significant body of academic work on a youth-related issue. Artz will be presented with her award later this month in Vancouver at the foundation's conference "Early Adolescence: Vulnerability and Resilience." Artz has won international recognition for her research into youth violence, especially involving adolescent girls.

UVic fine arts professor **John Boehme** will represent Canada at "In Transit," the first international performance art festival at the southern tip of the Americas. "In Transit" will consist of live performances, documentation screenings, lectures, roundtables and other activities related to performance art practice worldwide. Boehme plans to present site-specific interdisciplinary art work, investigating performance action the relationships and leisure activities of workers and management within the labour sectors. The festival takes place in Santiago and Buenos Aires from Nov. 3-6 and 10-13.

The Michael Smith Foundation for Health Research (MSFHR) has awarded UVic assistant professor **Steve Evans** a Senior Scholar Career Investigator (CI) Award. CI awards encourage recruitment of health researchers to B.C. and are awarded annually. Evans, a structural biologist for the biochemistry and microbiology department, is being recognized for his work in clinically relevant protein-carbohydrate interactions. The award provides compensation to allow Evans to devote more time to his research.

Cadboro Bay Merchants

AT THE FOOT OF SINCLAIR HILL

Now Two Great Locations!

Cadboro Bay PEOPLES PHARMACY

Prescriptions
Herbals & Supplements
Film & Photo Developing
Photocopying & Fax
Post Office

477-2131
3825 Cadboro Bay Rd.
Mon-Sat 9am-6pm, Sun 12-5pm

PEOPLES PHARMACY
On Campus

Prescriptions
Herbals & Supplements
Film & Photo Developing
Personal Care Products
Cosmetics

721-3400
UVic Student Union Building
Mon-Fri 9am-5pm

UVic student extended medical cards accepted at both locations

Get off Campus & come on down



LIQUOR STORE OPEN!

Reservations 477-2688
2581 Penrhyn St.
www.smugglerscove.shawbiz.ca

VILLAGE SERVICE

10% off repairs
with valid student card
(some restrictions apply)

full service gas pumps at self-serve prices
fast friendly attention
for all your car repair needs

Village Service • 3845 Cadboro Bay Road • Victoria BC • (250) 477-5523

EVERY PENNY COUNTS FOR THE UNITED WAY CAMPAIGN

by Lynda Hills

Students, staff and faculty braved the wet weather to support UVic's United Way Barbeque at the campus fountain Oct. 5, raising almost \$1,500 for the campus campaign.

"We're delighted with the interest and widespread involvement in this year's campaign," says campus campaign chair Dr. Rebecca Grant (business). "We've had strong funding support and a host of new fundraising activities by students, faculty and staff alike."

At press time, UVic had raised \$102,106—51 per cent of its target. Although the popular United Way book sale is over, other events are underway or upcoming.

The history department has challenged all other departments to roll as many pennies as possible for the campaign. "Things are heating up and there's fierce competition around campus," says Karen McIvor, department secretary.

Individual departments can roll their own pennies and take the rolls to the accounting department where they'll receive a deposit slip in exchange for the donation. Donna Trenholm in the dean of

humanities office will collect and tally the slips. To date, over 13,000 pennies have been collected by various departments.

This year the United Way campaign will include a raffle for an iPod mini. Tickets are available at the bookstore, the library, the Computer Store, the SUB, or the University Centre for \$1 each or 12 for \$10.

Student groups are encouraged to get further involved and think of their own challenge. Every student group that raises at least \$500 between now and Dec. 2 will be entered into a draw for an HP Digital Camera courtesy of the UVic Computer Store.

Start your Christmas shopping early at the Hearts and Hands Craft Fair in the University Centre lobby on Nov. 16. Raffle tickets for a basket bursting with goodies will be available at the fair. Health services is also offering a raffle basket.

On Dec 15 the school of physical education will sponsor an old-fashioned fitness class from 11:30 a.m. to 12:30 p.m. at the McKinnon dance studio. Admission is by donation and all proceeds will go to the United Way. Recently,



Geography lab instructor John Newcomb with his department's United Way penny collection.

the school raised \$50 during the Turkey Trot Fun Run. To learn how the school is promoting fitness and supporting the United Way visit steps.uvic.ca.

Donors still have a chance to win a BC Ferries vacation package with a digital camera; a Dunsmuir Lodge getaway; a framed Richard Hunt painting; and a coveted red reserved parking pass for the 2005-06 parking year.

"The support of various CUPE locals and the PEA, combined with the generosity of the university community has been marvelous," says Grant. "We're ahead of last year even though we've increased

our target by 12 per cent. The need in Greater Victoria has never been more pressing, and I know UVic will meet the challenge."

Co-op award CONTINUED FROM P.1

environmental destruction in Uganda, star-gazing from an observatory in Chile and observing law being created in South Africa

"Experiential learning at UVic has evolved to meet the changing needs of society," says UVic co-op executive director Dr. Elizabeth Grove-White. "We're now educating students to participate in a complex world where cross-cultural awareness and a global perspective benefit themselves and society. I'm grateful to Scotiabank and AUCC for recognizing the work our program and its employers do to support this vision."

AUCC represents 92 Canadian public and private not-for-profit universities and university-degree level colleges. Scotiabank is recognized as a leader among Canadian corporations for its charitable donations and philanthropic activities.

Too busy? Connect online.
telus.com/student



 **TELUS**
the future is friendly®

INVESTING ETHICALLY, INVESTING WISELY.

Caring Where Your Money Is Invested
Can Go Hand In Hand With Good Returns

THE PINCH GROUP

Experience • Integrity • Results



Brian Pinch MPA, FCSI
Lori Woytowich

Frank Arnold BSc., CFP
Mike Higgins B.Comm

*Victoria's Experts on
Socially Responsible Investing*

405-2468 or 1-877-405-2400

**Call for a free information package on
Socially Responsible Investing or an
invitation to our next public workshop.**

calendar highlights

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

At the Galleries

www.maltwood.ca
721-6562

A Woman's Place Art and the role of women in the cultural formation of Victoria, 1850s-1920s. Until Jan. 11. Maltwood Art Museum & Gallery.

Explorations in Paint (Nov. 9-Dec. 5) Works by Phyllis Serota's studio group. McPherson Library Gallery.

Thursday, November 4

CAPI Seminar 12:30 p.m. *Chinese Authors of the Mao Era: Writing Outside a Very Small Box*. Dr. Richard King, UVic. HSD A260. 721-7020

Friday, November 5

Fridaymusic 12:30 p.m. School of music woodwind students. MacLaurin B125. 721-7903

Theatre Lecture 7 p.m. *Guys and Dolls* pre-show lecture by Robin Catchcart, Victoria Conservatory of Music. Phoenix Bldg. 721-8000

Monday, November 8

Women Scholars Lecture 7:30 p.m. *How the North Pacific Ocean Affects our Climate*. Dr. Lynne Talley, Scripps Institution of Oceanography. HSD A240. 721-6120

Wednesday, November 10

Earth & Ocean Sciences Lecture 3:30 p.m. *Global Ocean Heat & Freshwater Balances*. Dr. Lynne Talley, Scripps Institution of Oceanography. Cunningham 146. 721-6120

Monday, November 15

Political Science Lecture. 2:30-4:30 p.m. *Iraq: Self Determination and Democracy Under Occupation*. John Measor, visiting professor. Clearihue A307. 721-7486

Lansdowne Lecture 3:30 p.m. *Gods, Kings and Commoners in the Homeric Age*. Thomas Palaima, Univ. of Texas at Austin. Hickman 110. 721-8518

Tuesday, November 16

UVic Hearts and Hands Craft Fair 10 a.m. Univ. Centre Lobby. 721-6365

Sessions in Spirituality 11 a.m. *Looking for the Spirit of Healing in Health Care*. Jeanie Stann, nurse. Hickman 110. 721-8338

Lansdowne Lecture 3:30 p.m. *Disciphering the First European Script: The Woman in Front of the Men*. Thomas Palaima, Univ. of Texas at Austin. Clearihue A207. 721-8518

Lansdowne Lecture 6 p.m. *Music, Science and Computers*. Trimpin, sound sculptor, Seattle. Cornett B112. 721-7904

Lansdowne Lecture 7 p.m. *The Loss of Indigenous Languages as a Global Issue: What Are We Losing? What Can Be Done About It?* Dr. Rob Amery, Univ. of Adelaide, Australia. Clearihue A127. 721-7424

Wednesday, November 17

Asia-Pacific Initiatives Seminar 12:30 p.m. *Contemporary Theatre in Thailand*. Pornrat Damrhung, Chulalongkorn Univ., Thailand. HSD A264. 721-7020

Studies in Religion & Society Lecture 4:15 p.m. *A Phenomenology of the Mystic (Zero) Experience*. Jordan Paper, York Univ. Hickman 110. 721-6325

The Friends of UVic Libraries Lecture 4:30 p.m. *Wilde at Law*. Cecil Branson, QC. Hickman 105. 721-8217



TIM MATHESON

Thursday, November 18

Lansdowne Lecture 3:30 p.m. *The Australian Indigenous Languages Framework Project: An Inclusive Model for Accommodating*. Dr. Rob Amery, Univ. of Adelaide, Australia. Clearihue A311. 721-7424

Lansdowne Lecture 5 p.m. *Responsibility and Structural Injustice*. Iris Marion Young, Univ. of Chicago. Strong C103. 721-8147

Lansdowne Lecture 7:30 p.m. *What the Greeks Can Teach Us About War*. Thomas Palaima, Univ. of Texas at Austin. Cornett A120. 721-8518

Lansdowne Lecture 8 p.m. *Sound Sculptures and Installations*. Trimpin, sound sculptor, Seattle. MacLaurin B125. 721-7904

Friday, November 19

Dean's Lunchtime Lecture Series 12 p.m. *Youth and Activism: New Forms of Action and Consciousness for 21st-century Youth and Activism*. Speakers: Mike Burnett, Aaron Devor, UVic. UVic Downtown. Register 472-4747

Fridaymusic 12:30 p.m. School of music percussion students. MacLaurin B125. 721-7903

Lansdowne Lecture 3:30 p.m. *Kaurna Language Reclamation: Lessons Learned from Attempts to Re-introduce the Indigenous Language*. Dr. Rob Amery, Univ. of Adelaide, Australia. Clearihue A201. 721-7424

Saturday, November 20

Centre on Aging Seminar 9 a.m.-2:30 p.m. *Planning Your Future Health Care*. Jay Chalk, public guardian and trustee. Strong C103. Register 721-6369

Lawyer & Notary Public



Bob Reimer

** Ask about alternatives to costly litigation **

4195 Shelbourne Street
(two blocks north of Feltham Rd.)

Real Estate - Purchase/Sale/Mortgage
Estate Litigation
Wills & Estate Probate/Administration
Power of Attorney/Representation
Family Law - Divorce & Separation
General Legal Advice & Referral
721-2441

Beck Icelandic Symposium

9 a.m. Features papers on a variety of Icelandic topics from the fields of sociology, linguistics, literature and culture. Clearihue A127. 853-7656

Music 8 p.m. Prima Youth Choir. *Messiah for the Homeless*. Conducted by Bruce More with the Victoria Chamber Orchestra conducted by Yariv Aloni. First Metropolitan United Church, Quadra at Balmoral. \$12. 721-7903

Sunday, November 21

Music 8 p.m. UVic Chamber Singers. *Sacred and Profane*. Bruce More, conductor. St. Andrew's Cathedral. Blanshard at View St. \$12. 721-7903

Tuesday, November 23

Asia-Pacific Initiatives Fair 10:30 a.m. *Work and Study in the Asia-Pacific*. SUB Michele Pujol Room. 721-7020

Sessions in Spirituality 11:30 a.m. *Who Is Not Disabled!* Jim Flood, Baha'i community. Hickman 110. 721-8338

Wednesday, November 24

Studies in Religion & Society Lecture 4:15 p.m. *Lying to Oneself: A Philosophical and Psychological Mystery Still Unsolved*. Bruce Alton, Univ. of Toronto. Hickman 110. 721-6325

UVic theatre students Sebastian Archibald (left) plays Nathan Detroit and Colby Wilson plays Sky Masterson in the Phoenix Theatre production of *Guys and Dolls*, a musical fable of Broadway based on Damon Runyon's stories of gamblers and their "dolls." The play runs until Nov. 20. For tickets and information call 721-8000 or visit www.phoenixtheatres.ca.

Thursday, November 25

Asia-Pacific Initiatives Lecture 7:30 p.m. *May There Be Virtue? Human Rights in Thailand*. Dr. Andrew Harding, UVic. Fraser 157. 721-7020

Friday, November 26

Fridaymusic 12:30 p.m. School of music composition students. MacLaurin B125. 721-7903

Saturday, November 27

Music 8 p.m. *Extreme Jazz at UVic*. Hugh Fraser, conductor. Univ. Centre Farquhar Auditorium. \$12/8. 721-7903

Sunday, November 28

Maltwood Art Museum & Gallery 1 p.m. *Women and Art in Early Victoria*. A public symposium in conjunction with *A Woman's Place* exhibit. Various speakers. Univ. Centre A180. 721-6313

Music 2:30 p.m. *String Chamber Music*. Chamber ensembles from the studios of the Lafayette String Quartet. MacLaurin B125. 721-7903

Tuesday, November 30

Sessions in Spirituality 11:30 a.m. *The Artist, a Vehicle, a Servant, a Benefactor*. Brian Simons, local artist and painting instructor. Hickman 110. 721-8338

Wednesday, Dec. 1

Geomatics Teaching Lab Open House 4:30-6:30 p.m. Tour and refreshments. Cornett B135 472-4496

Last call for 2004

The last *Ring* of 2004 will be published on Thursday, Dec. 2. Calendar items should be sent by 4 p.m., Wednesday, Nov. 24 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.



NOVEMBER EVENTS

Nov 5th	Basketball (w&m) vs. U of Lethbridge McKinnon Gym - 6:30PM & 8:15PM
Nov 7th	Basketball (w&m) vs. U of Calgary McKinnon Gym - 6:30PM & 8:15PM
Nov 19th	Basketball (w&m) vs. UBC McKinnon Gym - 6:30PM & 8:15PM
Nov 20th	Basketball (w&m) vs. UBC McKinnon Gym - 6:30PM & 8:15PM
Nov 27th	Rugby vs. James Bay Wallace Field - 2:30PM

GET INTO THE GAME!

RESTORING THE PAST

Project in Garry oak meadow strives to bring back native plant species



Bein with restoration of natural systems student Pauline Hubregtse.

by Lynda Hills

Students from the restoration of natural systems program are getting down to earth in the Garry oak meadow.

In a fenced area at the corner of Henderson and Cedar Hill Cross roads, students and staff are working on a project called Quercus, aimed at reclaiming meadows connected to Garry oak ecosystems. Because many of these types of meadows have been taken over by invasive species, the project is seeking the most effective way to restore native plants. Quercus comes from the

Latin name for oak.

Currently, the project is in the stage of soil preparation. Students are experimenting with nine different types of treatments such as mulching, rototilling and solarization. Using a grid pattern, where each grid section indicates a different treatment, squares are tagged and catalogued according to preparation. Afterward, each grid is monitored and re-assessed. Planting is scheduled for this winter.

"The experiment aims to see which kind of treatment works best for re-establishing native plant

species," says Sara Webb, UVic's sustainability co-ordinator.

Quercus is part of the wider five-year Garry oak restoration project undertaken by UVic facilities management and the restoration of natural systems program in the school of environmental studies.

Lisa Heinbuch, a former restoration student, formulated the original field trials as part of her studies. Then, through a process called a design charette—a symposium of professionals, students, faculty and people from

the community—an experimental plan was formalized and the project begun. At present, biology student Magnus Bein oversees the endeavour. Bein, who also has a diploma in the restoration of natural systems, hopes to foster greater awareness of the need to conserve biodiversity.

"Restoration projects are a testament to the irreplaceability and value of ecosystems," he says. "They're impossible to replace and we shouldn't fool ourselves into believing we can reconstruct ecosystems of the same quality of

those that are lost."

A public event, designed to involve the community, is being organized for late fall. "We're hoping to attract people of all backgrounds to learn about restoration," says Webb.

It's hoped the Quercus project results will help inform other Garry oak projects in the community. "Quercus is a great example of a partnership between an academic unit and an operational side of campus," says Webb. "It also contributes to the overall ecosystem health of campus."

Winter SALE

WEDNESDAY, Nov. 24th

8:30 am - 7:00 pm

20% OFF

almost everything*

*Does not include textbooks, special orders, magazines, diploma frames, stamps, calculators, or Finnerty's
Not to be combined with any other coupon offer

UVIC BOOKSTORE
WWW.UVICBOOKSTORE.CA

721-8311
OPEN 8:30 - 5:00 WEEKDAYS
8:30 - 7:00 WEDNESDAY
11 - 5 SATURDAY

CFI GRANTS FUND FOUR NEW UVIC RESEARCHERS

Improved radiation treatments for cancer, new cellular technologies, better engineering systems, and a greater understanding of oceanic food webs and their effect on climate change.

These are the long-term goals of four young UVic researchers who have been successful in the latest competition for grants from the Canada Foundation for Innovation's New Opportunities Fund. The national competition results were announced on Oct. 21.

The four researchers—a physicist, two engineers and a biologist—have been awarded a total of \$653,585 from the fund, which provides research infrastructure for newly recruited faculty members. The fund helps universities attract high-calibre researchers in areas that are essential to their institution's research objectives.

A \$125,796 grant to physicist Dr. Andrew Jirasek will be used to establish a medical physics lab for studying radiation therapy in the treatment of cancer. He's working with the BC Cancer Agency—Vancouver Island Centre and other collaborators to develop improved dose delivery systems and to better understand how the body responds to radiation at the molecular level.

Electrical engineer Dr. Hong-

Chuan Yang receives \$127,001 to create a research laboratory for advanced wireless communications. He'll conduct theoretical and simulation research into new technologies that can support the transmission of multimedia services over wireless and mobile channels.

Mechanical engineer Dr. Peter Oshkai will use \$224,577 to establish an experimental fluid dynamics laboratory to study complex fluid flows. The research has application in many areas, including sustainable energy systems, automotive design, biomedical technology, and energy resource development.

Biologist Dr. Diana Varela receives \$176,211 to equip a biological oceanographic lab for biogeochemistry and phytoplankton research. Varela's work is fundamental to understanding variations in marine productivity and the effects of phytoplankton (microscopic algae) on Earth's biogeochemical cycles, marine ecosystems and global climate change.

The CFI is an independent corporation established by the federal government to strengthen the ability of universities, colleges, research hospitals and non-profit research institutions to carry out world-class research that will benefit Canadians.