



Budget provides for student and capital growth

The board of governors has approved a 2005-06 budget framework for the university that provides for student and capital growth and increased investment in student financial assistance.

The \$240-million operating budget includes a provincial operating grant of \$130.4 million—up \$4.9 million over 2004-05. The framework assumes domestic undergraduate and graduate tuition will increase by two per cent, consistent with the previously announced provincial tuition cap.

Effective May 1, annual undergraduate arts and science tuition rises to \$4,324.50 from \$4,239, while annual domestic graduate tuition rises to \$4,492.20 from \$4,404.

“With this budget UVic will provide space for more students and support them with improved facilities and resources,” says President Dr. David Turpin. “We will also maintain our position as a leading Canadian university

in terms of student financial assistance. This budget keeps UVic on course as a leading research institution and a university of choice for outstanding students, faculty and staff.”

The budget framework funds 16,400 undergraduate and graduate full-time equivalent (FTE) student positions, an increase of 550 FTEs, including 133 international students, over the 2004-05 academic year. It also includes approximately \$2.5 million for direct classroom investment to provide for this growth. This will fund new faculty positions, additional course sections, teaching assistants, lab and technology instructors and instructional materials and technology.

One million dollars has also been allocated to the Island Medical Program, which welcomed its first students to campus in January.

SEE BUDGET P.2

Donor and government fund centre for learning

by Patty Pitts

The provincial government and the family of one of UVic’s earliest supporters have each pledged \$5 million to expand and renovate the university’s library and increase online access to its resources.

The complex, which will include new seminar and tutorial facilities and classrooms and encompass the existing McPherson Library, will be named the William C. Mearns Centre for Learning.

“This \$5 million gift from the Mearns family and \$5 million from the provincial government allow us to complete the fundraising for the Mearns Centre for Learning,” said UVic President Dr. David Turpin at the March 7 ceremony announcing the donations. “Students and faculty from every academic discipline will

benefit from the centre’s expanded and improved collection and study space.”

The \$20-million project includes a \$5-million investment from UVic and an additional \$5 million from other donors. Components of the centre include an information commons with workstations and a single access point for all library resources; a media commons integrating all formats of the library’s music, audio and video collections; improved facilities and resources for students with a disability; and an Internet café.

“We’re providing some of the capital funding needed to build a modern learning centre that reflects the needs of UVic students,” says Minister of Advanced Education Ida Chong. “The new facility will comprise so

SEE MEARNS CENTRE P.2



Craig Mearns, left, and Chong with a sketch of the new learning centre.



Maria Race, a UVic grad and technician at the UVic-Genome BC Proteomics Centre, prepares a sample for analysis. The centre is one of 23 tenants at VITP.

UVic buys Vancouver Island Technology Park

by Maria Lironi

The University of Victoria is the new owner of the Vancouver Island Technology Park (VITP), an ultra-modern research and technology transfer centre located at the site of the former Glendale institution in Saanich.

The purchase of the VITP—which has the greatest concentration of high-tech companies and workers on Vancouver Island—will help power the continued growth of the region’s high-tech sector.

“This acquisition will allow UVic to continue fostering the start-up and growth of high-tech companies on Vancouver Island, moving the university, VITP and the sector to the next level,” says UVic President Dr. David Turpin.

“It also means that, by building on the solid foundation established by the B.C. Buildings Corporation (BCBC), we can provide a range of commercial space for UVic research-generated, spin-off businesses and outside high-tech companies.”

The university is funding the

\$20.2-million purchase through revenue from the facility. The purchase will not affect UVic’s operating budget or operations on campus. As well, staff in the existing VITP office will continue to run the facility and the change in ownership will not affect the status of VITP tenants.

The park will be operated as a business under University of Victoria Property Investments Inc. and overseen by a separate board at

SEE TECHNOLOGY PARK P.3

New buildings will address future teaching and research needs

by Patty Pitts

The applause from UVic faculty, students and staff was long and loud on March 21 when Advanced Education Minister Ida Chong announced \$60.4 million in provincial funding for two new buildings on campus.

A \$50-million, 10,920-square-metre science building will consolidate all members of the school of earth and ocean sciences (SEOS) in one structure for the first time and will house chemistry researchers requiring special air-handling facilities.

A \$30-million, 8,600-square-metre social sciences/mathematics building will house the departments of geography, environmental studies, political science, and mathematics and statistics. Both buildings will help address a serious shortfall in teaching and research space on campus.

The two buildings will cost nearly \$81 million, with UVic providing over \$20 million for the two projects. In thanking the provincial government, UVic President Dr. David Turpin pointed out that the new buildings will have a far-reaching impact.

“The students and researchers moving into these new buildings will benefit directly and the teaching and research space they free up will give other departments much needed room to expand,” said Turpin. “These two new buildings will be an important part of UVic’s ability to add nearly 2,000 new students by 2010.”

“By constructing new buildings along with increasing funding for seats, we’re ensuring that students have more access to post-secondary education,” added Chong. “Cost sharing with UVic is an effective way

of ensuring the funds are in place to start building right away and it will boost the university’s capacity for instruction and significant research.”

Currently, SEOS faculty and students are scattered across campus in seven different locations ranging from the Ian Stewart Complex to Second World War army huts, making collaboration and knowledge-sharing difficult. Being together in one building will provide better opportunities for collaboration among the geophysics research group, the climate research group, and the geochemists, earth scientists and biological oceanographers. SEOS researchers are world leaders in oceans and climate change research.

Speaking on behalf of the science students, chemistry PhD candidate Bryan Koivisto told an appreciative

SEE NEW BUILDINGS P.4

Donation launches fundraising drive for conservation professorship



McTaggart-Cowan

The B.C. government has kickstarted a UVic fundraising campaign to create a new professorship honouring one of Canada's pre-eminent scientists.

At a ceremony at the university on March 14, Minister of Advanced Education Ida Chong announced a \$500,000 provincial donation to the Dr. Ian McTaggart-Cowan Professorship in Biodiversity Conservation and Ecological Restoration.

A successful fundraising campaign will allow the school of environmental studies to hire a scientist in the field of ecological restoration. The professorship will complement two

scholarships awarded by the university in McTaggart-Cowan's name.

"This professorship will expand our knowledge of the connection between the restoration of ecosystems and the social benefits to communities," says Dr. Peter Keller, UVic's dean of social sciences. "Our school of environmental studies already has an international reputation for excellence. This professorship will further enhance that reputation by training the Ian McTaggart-Cowans of tomorrow."

As a professor of zoology at UBC, McTaggart-Cowan established the

first vertebrate zoology program in Canada to study the biological basis of wildlife conservation. He also supervised the research of more than 100 graduate students, some of whom are now among the most renowned experts in the wildlife field: Maurice Hornocker (cougar), Val Geist (Stone's sheep), Ian Sterling (polar bear) and C.S. Holling (predation).

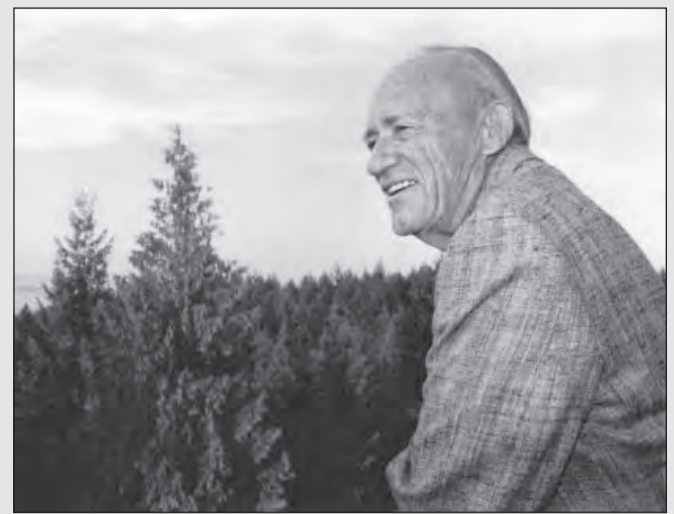
"Ecology and environmental restoration are areas of increasing concern as we seek ways in which we can draw our needs from natural resources without causing destructive alteration of environmental processes," says the 95-year-old McTaggart-Cowan. "I'm honoured and delighted to have my name associated with this new professorship."

McTaggart-Cowan was a strong voice in convincing the Canadian government to hire professional biologists for their wildlife programs. He played a pivotal role in eliminating the bounty system where "undesirable" populations of animals such as cougars, wolves and bald eagles were managed by a cash reward-based hunt.

As a public educator, McTaggart-Cowan pioneered the use of television to bring environmental science into the homes of Canadians through programs such as *Fur and Feathers*, *The Living Sea* (both produced live) and the award-winning *Web of Life*.

Among his many public involvements, McTaggart-Cowan served as inaugural chair of the public advisory committee of the B.C. Habitat Conservation Trust Fund, chair of the internationally acclaimed *Birds of British Columbia* authors team, and a director of the Nature Trust of B.C. He was UVic's chancellor from 1979 to 1984.

For more information on the professorship and the fundraising campaign, contact Dr. Eric Higgs, director of the school of environmental studies, at 472-5070.



William C. Mearns

Mearns family ties to UVic span four decades

Bricks, mortar and steel may be the building blocks of institutions such as UVic, but it's the far-reaching vision of individuals such as William C. Mearns that actually create them.

In 1956, when the Victoria College Council was leading the drive to establish a university in Victoria, it was Mearns who urged them to acquire a former army training camp and property owned by the Hudson's Bay Company and the City of Victoria that together became the UVic campus.

The Victoria Chamber of Commerce agreed with Mearns and appointed him to a committee of community leaders established to pursue his vision.

After the Gordon Head site was chosen as UVic's future campus, the Chamber of Commerce championed a fundraising initiative which raised an unprecedented \$5 million to purchase the property Mearns had identified. UVic remains the only university in Canada to have purchased its own land.

Mearns' influence on business, government and education spanned a good part of a century. As a young man, he earned degrees in electrical engineering from Stanford, and, later, in advanced management from Harvard. Starting his career as a meter man with B.C. Electric, the precursor of B.C. Hydro, he rose to vice president and senior executive director with B.C. Hydro.

Later, W.A.C. Bennett appointed Mearns chairman of the B.C. Harbours Board when it developed the super-port at Roberts Bank. He was also a founding director of the Bank of British Columbia.

Mearns met his wife Loula while both attended Victoria College. The couple were strong supporters of UVic and participated in many university events over the years. Mearns died in 1998. The family's involvement with UVic spans four decades and continues today through the William C. Mearns Centre for Learning.

Budget continued from p.1

Tuition for international undergraduate students will increase 12 per cent to \$14,000 from \$12,500, reflecting the final year in a three-year program to move international student tuition to a cost recovery position.

An additional \$1 million in student financial assistance is being added to base budget to bring the total amount of assistance available to students to nearly \$10.1 million, up over \$5.2 million in the past four years.

The budget framework provides a \$500,000 increase to the library's acquisitions budget to meet the escalating costs of books and journals and \$500,000 towards the operating costs for UVic's new building projects. These include the Mearns Centre for Learning, science building, and social science and mathematics building.

The budget also calls for a reduc-

tion in domestic and international co-op fees to the levels at other B.C. institutions. The fee for domestic co-op placements will decrease from \$638 to \$600 a term and the fee for international co-op placements will decrease from \$1,786 to \$1,000. UVic's co-op education program is recognized as one of the best in the country.

The budget framework provides for parking rates at UVic to increase in 2005-06 to more accurately reflect the true cost of parking services. The monthly charge for an annual general parking pass will rise to \$21 from \$15 with similar increases in all other categories.

The revenue generated from the parking rate increase will fund various transportation demand management (TDM) initiatives aimed at reducing vehicle traffic to campus

and making capital improvements to provide alternatives to any increases to surface parking lots.

Some of the TDM initiatives include: subsidized monthly bus passes for employees and flexible parking passes to encourage drivers to try public transit; an online ride matching program to assist in matching students and employees for ride-sharing; an expansion of the car share co-op; and continued investment in facilities for cyclists, including showers and lockers in new buildings.

The framework calls for a three per cent increase in UVic child care costs and student residence increases ranging from 1.36 per cent (single room) to 4.9 per cent (three-bedroom townhouse).

A detailed budget document will be presented to the board in June.

Mearns centre continued from p.1

much more than rows of books on shelves. This centre will foster learning and will enable students to connect to information sources around the world."

Mearns was a Victoria native who attended Victoria College, UVic's predecessor. In 1956, he urged those leading the drive to establish a university in Victoria to acquire the land that is now the Gordon Head campus. He was awarded an honorary degree from UVic in 1991 in recognition of a lifetime of service and achievement.

Mearns' children, Craig, Lindsay and Marily, and his widow Loula made the \$5-million gift to UVic in his name. The donation is one of the most significant gifts in

UVic's history.

Craig Mearns spoke on behalf of his family at the ceremony, calling on other affluent Victorians to follow in his father's footsteps and contribute to their community by giving their time and money. "My father was a great booster of B.C., but especially Victoria," said Mearns. "It's time for Victorians to get behind community projects."

The state-of-the-art Mearns Centre for Learning also includes study areas with electronic information access for faculty members and graduate students, a renovated special collections and archives area with appropriate environmental controls, and a 24-hour student study area.

the ring

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Vice president leaves for position at Vancouver Foundation

Faye Wightman, vice president external relations, is leaving the university at the end of June to become the president and CEO of the Lower Mainland-based Vancouver Foundation.

President David Turpin made the announcement on April 1 in a letter to the president's advisory council. "On behalf of the university community, I want to thank Faye for her outstanding leadership and substantial contributions to UVic and to wish her all the best in her new position," he says.

Since starting at UVic in 2003, Wightman has created a government relations office and a new university ceremonies and events unit, launched an institution-wide strategic communications planning process that is entering its final stages, overseen a re-organization

and strengthening of the university's development operation, and completed a strategic planning project that has integrated the advancement, alumni, community relations, communications, and development services of the division of external relations.

Wightman has also forged stronger ties between the university and communities both in and outside Greater Victoria. Since her arrival on campus, UVic has raised \$38 million, including \$10 million for addictions research and \$5 million for the William C. Mearns Centre for Learning.

"I have enjoyed working at the university with its incredible staff, faculty and board. This is a jewel of an institution and I look forward to hearing about the great things it will continue to accomplish," says

Wightman. "I want to acknowledge and thank the external relations team for allowing me the privilege of working with them over the past two years. They are a strong and dedicated team of individuals."

Turpin will be moving quickly to initiate a search for Wightman's replacement. As *The Ring* went to press, an acting vice president to assume the position as of July 1 had not yet been identified.

Wightman came to UVic after 14 years as president of the B.C.'s Children's Hospital Foundation. The Vancouver Foundation, Canada's largest philanthropic community foundation, administers \$564 million in endowed funds, distributing more than \$30 million to charitable groups and organizations each year to enhance the quality of life in B.C.

Kuehne, Rippin to serve second terms

Two senior UVic administrators have been appointed to second terms.

Dr. Valerie Kuehne has been appointed to a second five-year term as associate vice-president academic planning, effective July 1. And Dr. Andrew Rippin will serve a second five-year term as dean of humanities, also beginning July 1.

Prior to coming to UVic, Kuehne was a pediatric nurse and nursing instructor in Edmonton. She joined UVic's school of child and youth care in 1990 and was promoted to associate professor in 1994 and full professor in 2001. She has served as the associate vice president academic

planning since 2000.

Kuehne was instrumental in the planning and development of the Island Medical Program and played a central role in the development of new teaching and research programs across the university.

"Valerie has represented the office of the provost in many capacities both internally and externally," says Jamie Cassels, vice-president academic and provost. "The [search] committee received extensive feedback from the university community and external constituents as well, which was uniformly positive."

Rippin is a professor of Islamic history in the department of history, and the author and editor of many books on the Islamic religion. He came to UVic in July 2000 after 20 years at the University of Calgary.

"The [selection] committee found that Andrew has excellent administrative skills and a facilitative approach to leadership. He has a transparent approach to the task of dean, a reputation for fairness and integrity, and is a skilled communicator," says Cassels. "He enjoys the confidence of members of the faculty and elsewhere in the university."

Study links salmon farms to lice outbreak

by Valerie Shore

The transfer of parasitic sea lice from salmon farms to wild salmon in B.C. is much larger and more extensive than previously believed, says a study co-authored by a UVic researcher.

The study was published in a recent edition of the journal of the British Royal Society. One of the authors is Dr. John Volpe, a faculty member in UVic's school of environmental studies. The two other authors are University of Alberta researchers Mark Lewis and Marty Krkosek (a graduate student co-supervised by Volpe).

The study combined advanced models of disease transfer with extensive field work in the Broughton Archipelago off northeastern Vancouver Island, where many commercial salmon farms are located.

The farms are open cages of closely packed Atlantic salmon which provide ideal conditions for the spread of sea lice—external parasites that eat the slime, skin and blood of their fish host. In large numbers, the lice weaken and eventually kill the fish. Adult salmon can tolerate light infections, but young fish are especially vulnerable.

Because sea lice occur naturally, a bitter debate rages in B.C. over whether fish farms contribute to sea lice infections in wild salmon. This

study shows indisputably that they do, says Volpe. "There's no ambiguity in our data whatsoever."

Using new, non-lethal sampling techniques, the team studied lice infection levels of 5,500 young pink and chum salmon as they approached and passed a farm anchored in a long, thin fjord.

The team found that sea lice production from the farm was 30,000 times higher than natural levels. "Infection of the salmon was 73 times higher than ambient levels near the farm and exceeded ambient levels for 30 km of the wild migration route," says Volpe.

The study also revealed another cause for concern. As the migrating school of lice-infected young salmon moves out to sea, new generations of

lice may be infecting salmon from other streams—and possibly other species such as herring. "What we have is a moving, growing mass of contagion that has the potential to infect fish stocks all along the coast," warns Volpe.

Volpe says he and Krkosek are now turning their attention to the impact of lice infestations at the population and ecosystem levels. "The debate over the role of farms as a breeding ground for sea lice is over," says Volpe. "Now we have to find out what it means and how we can deal with it."

The study was funded by the Natural Sciences and Engineering Research Council, the David Suzuki Foundation and the Raincoast Conservation Society.



Young salmon with sea lice attached.



UVic president David Turpin, left, and Derek Smith, lab manager at the UVic-Genome B.C. Proteomics Centre.

Technology Park continued from p.1

arm's-length from the university, says Jack Falk, vice president finance and administration.

VITP was established by the provincial government to provide the physical infrastructure to link local resources with emerging or growing technology companies. The 14.2-hectare site opened in April 2002 under the aegis of BCBC.

Zoning for the VITP property and the master plan for the site will allow the total building space to more than double over time to provide for the growth of existing tenants and to accommodate the needs of new high-tech companies.

UVic already provides on-campus incubator space to emerging businesses through its technology transfer office, the Innovation and Development Corporation (IDC), which is responsible for the birth of 35 spin-off companies.

The park is operating at 95 per cent capacity with 23 tenants—a mixture of technology, research, commercial and industrial companies—employing 1,200 people and directly contributing \$75 million annually to B.C.'s economy. All operate within the technology clusters identified by the provincial government as critical to economic growth in B.C.

A number of the companies got their start at UVic, involve UVic graduates or employ UVic co-op students.

Most major research institutions in the U.S. have developed or are affiliated with research and technology parks, and several universities in Canada have created similar relationships.

For more information on current VITP tenants, visit uvic.ca/ucom/releases/vitp-tenants.html.

VITP at a glance

The Vancouver Island Technology Park sits on 14.2 hectares in Saanich and is bordered by the Interurban Campus of Camosun College, the Forestry Research Centre, the Horticultural Centre of the Pacific, and Layritz Park.

The main building, the core of the former Glendale Lodge, offers approximately 14,870 square metres of leasable space. Ancillary buildings provide a further 2,799 square metres of leasable space.

Glendale Lodge, originally built in 1976, was a home for adults with severe disabilities until it was closed in 1996. The government and the B.C. Buildings Corporation tried to find alternative uses for the space with the film industry and various government agencies using small parts of the building for small periods of time.

In fall 2000, it was announced that the buildings would be renovated for use as a technology park to create opportunities for the growing high-tech sector in Victoria.

The renovation of the main building was completed early in 2002 for a reported budget of \$11.9 million. The extensive renovations include a seismically upgraded concrete structure, fibre-optic broadband connectivity, and a 25kv electrical power feed.

The U.S. Green Buildings Council presented a Leadership in Energy and Environmental Design (LEED) gold award to the owners of the park in recognition of its cutting-edge environmental and energy-conscious design.

For more information on the technology park visit www.vitp.ca.



Top faculty award goes to business professor

by Dianne George

Had it not been for a bully who was also his boss, Dr. Craig Pinder might have gone into politics rather than becoming a leading scholar in the field of organizational behaviour—and being honoured as a 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.

“I first thought I would try to become prime minister of Canada,” says Pinder in discussing his 30-year career as a researcher and educator. “But two events were central to changing my mind.

“First, I grew up with a background of respect for work. My parents were blue collar—they always worked, and worked hard, often at more than one job—and they involved me and my sister in discussions about how much money was needed to make the household run.

The second event took place while Pinder was an undergraduate at UBC and was working a part-time job in a local grocery store.

“My boss used to torment me—he would badger me, and poke me in the arm while I trimmed vegetables. It was constant, relentless; it was harassment. I went home night after night with a lump in my throat, full of rage and frustration and decided that there was something really elemental about work and working relationships. I took a course in industrial psychology so that I could study this phenomenon and that was what changed my direction.”

Pinder went on to earn an MA from the University of Minnesota and a PhD from Cornell University with a specialization in organizational behaviour.

“Craig is the true all-rounder, and his contributions are felt in virtually every area of the university,” says Jamie Cassels, vice-president academic. “His colleagues and students know him as a rigorous scholar and a terrific and dedicated teacher. We’re all the beneficiaries of Craig’s tremendous commitment and compassion.”

“It’s a privilege to work with Craig,” says Ali Dastmalchian,



VALENE SHORE

Pinder

professor and dean of business. “He has advanced the practice of management considerably, particularly through his work on developing qualifications for the designation of certified human resources professional.”

Over his career, Pinder’s research has focused in three areas: on the practice of companies moving people; as a sometimes philosopher of science calling for more facts and fewer analogies when describing organizations; and for improving our understanding of what motivates people to work.

Pinder’s teaching philosophy is rooted in his knowledge of motivation theory. He creates a class environment that challenges students’ belief systems while creating a culture of respect for differences of opinion.

This August, Pinder will be returning to the classroom in the faculty of business after two years away on medical and study leaves. He says he’s deeply honoured at becoming a Distinguished Professor. “Although I came to UVic only six

years ago, I feel very much at home here, not only in business but across campus. This is a tremendous institution and I am very proud to serve it. This award is the highlight of my career.”

Distinguished professors are nominated by their faculty and 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 are distributed among all faculties at the university.

“Craig is the true all-rounder, and his contributions are felt in virtually every area of the university”

UVic health researchers share more than \$800,000 in funding

Projects ranging from dementia patient care and health literacy to the benefits of a telenurse program for socially isolated older adults are the UVic recipients of more than \$800,000 in the latest round of research grants from the Canadian Institutes of Health Research (CIHR), announced last month.

UVic researchers are leading or co-leading the following funded projects:

Dr. Neena Chappell (centre on aging/sociology) receives \$103,556 a year for three years to examine how dementia patients in long-term care facilities benefit from receiving individualized care—care that takes personality differences and personal likes and dislikes into account. The research will be conducted at 19 facilities in Greater Victoria, the Lower Mainland and the Okanagan.

Drs. Denise Cloutier-Fisher (centre on aging/geography) and Karen Kobayashi (sociology) will use a one-year, \$46,867 grant to conduct a pilot study of telenurse outreach intervention for socially isolated

older adults in B.C. Socially isolated and lonely older adult populations are vulnerable to higher levels of service utilization and poorer health outcomes.

Drs. Irv Rootman (human & social development) and Deborah Begoray (curriculum & instruction) have been awarded \$100,546 a year for three years to develop a measurement tool for Canadian middle and high schools to determine levels of health literacy among students. This includes examining the ability of young people to obtain and evaluate health information and fully participate in the health care system.

Dr. Kelli Stajduhar (centre on aging/nursing) receives \$70,181 a year for three years to study communication between cancer patients and their health care professionals from the perspective of the patient. By understanding how the needs, preferences and priorities of cancer patients change over time, Stajduhar and her colleagues hope to improve communication between doctors and their patients.

New buildings continued from p.1

audience: “I think I can speak for all of us when I say how welcome such new space will be. . . . the faculty of science has lacked the room to grow and increase its research and education through the recruitment of high-quality faculty members and aspiring graduate students. We simply have not had the room to expand and promote growth.”

Lisa Levesque, an interdisciplinary master’s student in environmental studies and geography, echoed Koivisto’s praises. She spoke of the difficulty in accessing the resources of the geomatics lab, located in a separate building from her cramped quarters in environmental studies. “A new facility, where both faculty and technological resources are more physically accessible to students, will be a positive step in this regard.”

The planned science building will include 350-seat and 140-seat, tiered lecture theatres. The researchers’ departure from Elliott will provide more room for other chemistry and physics programs. Without the new building, extensive and costly ventilation

renovations would soon be needed in Elliott to accommodate the synthetic chemistry program.

UVic’s new social sciences and mathematics building will include a 250-seat, a 140-seat and two 110-seat tiered lecture theatres. The university’s education services group will also move into the building. Space vacated in the Clearihue Building by the mathematics and statistics department will give the faculty of humanities room to expand.

The new science building will be constructed adjacent to the Elliott Building. A site for the social sciences and mathematics building has not yet been approved. UVic is planning to complete the social sciences/mathematics building by January 2008 and finish construction on the science building six months later.

The two new buildings are part of an extensive \$120.5-million building program at UVic to help the university meet the needs of growing student enrolment and research programs recognized as among the best in the world.



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UVic Greek and Roman studies professor emeritus **Peter Smith** may be retired, but he hasn't stopped writing books. His latest is *Wings Across the Water, Victoria's Flying Heritage 1871-1971*. Smith wrote the book with Elwood White who, at 87, is a pioneer aviator and recognized as the pre-eminent authority on Island aviation. The book from Harbour Publishing contains over 600 aviation photos, some never before published, taking the reader from the Island's first manned balloon ascents in the 1800s through barn-storming and bush-flying to the jet age. Smith's previous books include a history of UVic and *Ghosts on the Grade: Hiking and Biking Abandoned Railways on Southern Vancouver Island*, which he co-authored.

Eve Millar, a PhD student in history in art, is going on the fieldtrip of a lifetime. She's the winner of a Shastri Indo-Canadian Institute Fellowship award for India Studies, which will fund her studies in India this fall. She'll spend five months in Delhi learning Hindi. The India Studies Fellowships provide travel, research and living allowances to Canadian scholars and artists to pursue their research, studies and training in India. A total of 34 awards have been announced for the 2005-06 academic year.

Dr. **Martin Taylor**, vice president research, has been appointed to the board of directors of the Michael Smith Foundation for Health Research for a three-year term ending September 2008. Taylor's research and teaching interests focus on environmental health and health promotion. His current and recent projects include the psychosocial effects of environmental contamination, community-based health promotion, and the impacts of economic restructuring on population health in B.C. coastal communities.

Don Jones, director of UVic alumni services since 1995, is the 2005 recipient of the Manulife Financial Outstanding Achievement Award from the Canadian Council for the Advancement of Education (CCAE). The award, recognizing "extraordinary contributions to the field of educational advancement over a number of years," will be presented during a gala awards dinner at the CCAE national conference in Banff at the end of May. Jones directed the 1998 launch of the country's first Online Community Network (OLC) for alumni. The program has since been licensed to 14 Canadian institutions. He also established an e-mail listserv which now has 250 subscribers from alumni offices across Canada.

Five UVic authors have been shortlisted for 2005 BC Book Prizes. Dr. **Jan Zwicky** (philosophy) for *Robinson's Crossing*; ethnobotanist Dr. **Nancy Turner** (environmental studies) for *Plants of Haida Gwaii*; **Bill Gaston** (writing) for *Sointula*; **Patrick Lane** (writing) for two books, *Go Leaving Strange* and *There is a Season*; and **Stephen Hume** (writing) for two books, *A Stain Upon the Sea: West Coast Salmon Farming* (co-author) and *Lilies and Fireweed: Frontier Women of British Columbia*. The winners will be announced in Vancouver on April 30.

The world's number one cure for academic boredom, according to a story in the Feb. 18 issue of *The Journal*, published by Queen's University students, is a course on hockey literature and the Canadian psyche taught at UVic by English professor **Doug Beardsley**. The author of two books on the significance of hockey to Canadians and the presence of the sport in Canadian writing, Beardsley says hockey is intrinsic to the nature of being Canadian. "The way we play the game is semi-legal mayhem, which allows us to express a darker stream of our collective consciousness," he says. Among the other "coolest courses" listed by the Queen's journal: *Star Trek* and religion (University of Indiana); mafia studies (Rome University, Italy); and the Beatles albums (University of Southern California). For the full list, visit www.queensjournal.ca.

Dr. **Pauline van den Driessche** (mathematics & statistics) has won the Tenth Bellman Prize from the journal *Mathematical Biosciences* for the best paper published in the journal over the two-year period from 2002-2003. She shares the award with her co-author, Dr. James Watmough, who was a postdoctoral fellow at UVic at the time, and is now a faculty member at the University of New Brunswick. The paper develops a framework for calculating the basic reproduction number for disease transmission models. "This number is important in understanding disease spread and control measures," says van den Driessche. "The method developed has since been applied to models of several diseases, including HIV/AIDS, West Nile virus and SARS."

Three members of the UVic community have been nominated for this year's YM-YWCA Women of Distinction Awards. **Sheila Sheldon Collyer**, who retired as university secretary in December, is nominated in the education, training and development category. Neuroscientist Dr. **Naznin Virji-Babul**, who's pioneering work is helping to improve the lives of children with Down Syndrome, is nominated in the science, information technology and research category.

Lauren Woolstencroft, an engineering student and one of disabled sports' most decorated alpine athletes, is nominated in the young women of distinction category. The awards will be presented at an awards dinner on May 19 at the Victoria Conference Centre. For tickets, call the Y at 418-1837 or visit www.ymywca.victoria.bc.ca.



Earthquakes and tsunamis in B.C.: what do we need to know?

The experts have been warning us for years that, sooner or later, a big earthquake will occur off the B.C. coast. What is the science behind that prediction? How would it compare to the major earthquakes off Sumatra? Would it produce a tsunami? And what can B.C. communities and individuals do to prepare and protect themselves?

Find out on Wednesday, May 4 at "Earthquake and Tsunami Hazard on Canada's West Coast," a special presentation co-sponsored by UVic's centre for earth and ocean research and CH News.

The evening will feature a showing of the CH News production "Magnitude 9," a 20-minute news documentary on the science and history of earthquakes and tsunamis on the B.C. coast. Four informative talks will follow: Dr. Garry Rogers (Geological Survey of Canada); Dr. Fred Stephenson (Fisheries and Oceans Canada); Kevin Wallinger (Provincial Emergency Program); and Dr. Brian Bornhold, co-chief scientist of NEPTUNE Canada.

Bornhold will describe how the NEPTUNE undersea observatory project, led in Canada by UVic, will

help us learn more about the occurrence of earthquakes and the processes that give rise to them, and give us an earlier warning and understanding of approaching tsunamis. Bornhold has also done research on landslide-generated tsunamis, which he says are another natural hazard faced by coastal British Columbians.

The presentation takes place from 7-9 p.m. in the David Lam Auditorium in the MacLaurin Building. The event is free and open to the public, but seating is limited. For more information call 721-8848 or visit web.uvic.ca/ceor.

UVic faculty share in \$23.8 million for research support

Thanks to the Canada Foundation for Innovation's New Opportunities Fund, faculty members at UVic will soon be equipping labs to further their research.

The fund provides infrastructure support to newly recruited academic staff. It also helps universities attract high-calibre researchers in areas that are essential to their research objectives.

At UVic on March 10, Industry Minister David Emerson and Carmen Charette, CFI senior vice-president, joined UVic President David Turpin to announce \$23.8 million in funding to Canadian universities, \$760,588 of which is coming to UVic.

"This funding strengthens Canada's international research position," says Turpin. "It helps UVic recruit and retain outstanding scholars whose research contributes to the betterment of all Canadians."

The UVic researchers who received funding are:

Dr. Brad Buckham (mechanical engineering) receives \$144,067 to build a small, remotely operated vehicle (ROV) system to test and

develop advanced underwater vehicle technology. This technology is critical to maintaining Canada's leading role in undersea exploration, and especially to the installation and maintenance of the VENUS and NEPTUNE ocean observatories, both led in Canada by UVic.

Dr. Rosaline Canessa (geography) receives \$149,159 to create a marine visualization and spatial analysis lab for marine resources. The lab will test how GIS (geographic information systems) and other spatial technologies can help decision-makers manage resources, resolve user conflicts and protect key habitats in coastal areas.

Dr. Laurence Coogan (earth & ocean sciences) receives \$162,532 to equip a facility for the analysis of trace element abundance in Earth materials such as rocks, minerals and seawater. The facility will allow Coogan and his collaborators to continue their investigations into the chemical evolution of our planet.

Dr. Jutta Gutberlet (geography) receives \$60,154 to establish a facility on sustainable community development. Using a variety of research

tools, Gutberlet and her colleagues will study theoretical frameworks for community development and how they can be translated into public policy. The primary focus will be on communities in Latin America, Asia and Africa.

Dr. Hendrik Hoekstra (physics & astronomy) receives \$81,920 to acquire computer resources for processing large amounts of astronomical data. Hoekstra, an observational cosmologist, is involved in a number of large international projects focusing on understanding the nature of dark matter and dark energy, two mysterious forces involved in the evolution of the universe.

Dr. David Sinton (mechanical engineering) receives \$162,756 to establish a state-of-the-art microfluidics laboratory. Microfluidics is the manipulation of minute amounts of liquid in miniaturized systems, and has applications in the development of new biomedical devices and fuel cell technologies.

The B.C. Knowledge Development Fund is an equal matching partner in CFI projects.

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Chloe's excellent adventure

A co-op student fundraises her way to a work term in Costa Rica

by Lynda Hills

Funding your own trip to work overseas and bringing money to a project can be a challenge, but UVic arts and writing co-op student Chloe Straw found a way to do it.

Straw wanted to work and travel, so she conducted research on organizations that were involved in overseas community development, and settled on one in Costa Rica called Youth Challenge International (YCI). Then she set to work.

The fee for three months in Costa Rica was \$3,535, which covered building materials for the project. Straw took a multi-faceted approach to fundraising. Starting off with family assistance, she branched off to canvassing local businesses for support. Next, she networked with friends and contacts on campus and hosted a 'Battle of the DJ's' event at Felicita, which included a dance team performance. She then undertook a campus-wide bottle drive.

To help with her travel expenses Straw applied for, and won, the Graham Brand Endowment Fund. The \$750 award supports co-op students who volunteer for placements overseas.

During her first five weeks in Costa Rica, Straw helped re-locate a retaining wall at a children's rescue centre in Vista Azul. "It was pretty intense," she says. "I'd never had such a physical task, but the kids who lived there were our continued motivation."

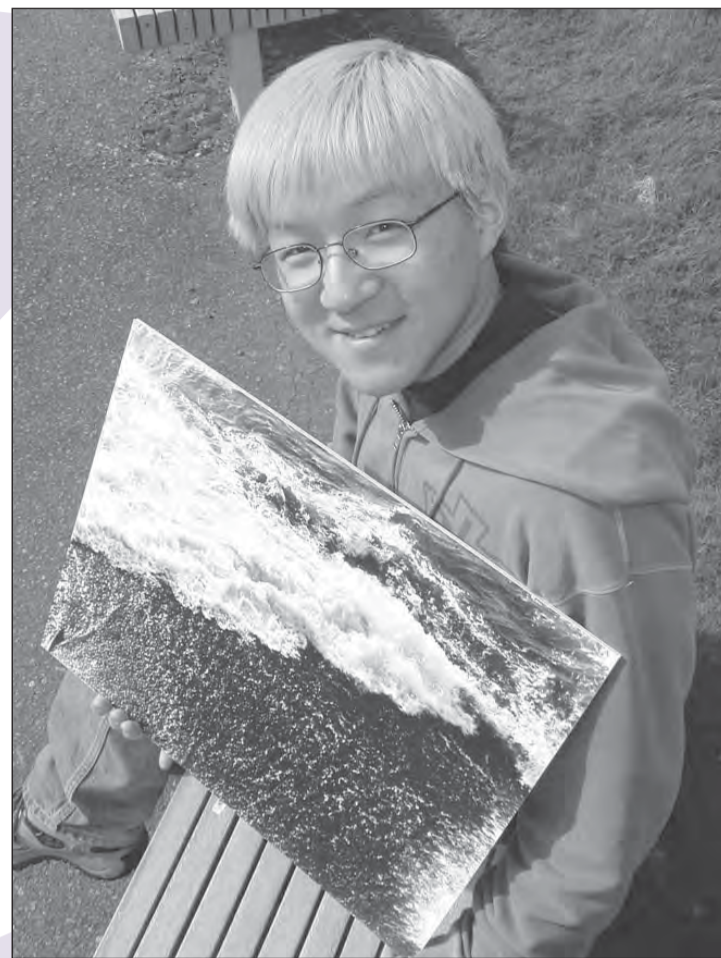
Straw's second project took her near the Panamanian border and an eco-lodge called Casa Calateas in the small town of Carbon Dos. The group built a green filter to clean grey water coming from the kitchen and filter it into the jungle. They also built roads to improve the lodge's accessibility and painted the lodge buildings.

As part of both projects Straw taught English to local communities, and while at Casa Calateas, she organized a conference for women and youth.

Straw believes the experience was important for her career goals and is now looking into a postgraduate program in international management.

"I learned not to put limits on my own expectations because I did things on this project that I didn't think I would even attempt to do," she says. "It was easily the best thing that I've done."

“I did things on this project that I didn't think I would even attempt to do.”



Qu and one of his photographs.

Qu the credits

An international student develops a deeper appreciation of photography—and Canadian culture

by Lynda Hills

As a small child in Shengyang, China, Leon Qu went with his father into the countryside every weekend to take pictures. Then, for his 12th birthday he received his own camera. He's been experimenting with photography ever since. The UVic international student is now in his fourth year of a visual arts degree.

"I didn't choose photography, photography chose me," Qu says.

Qu first studied sociology when he came to Canada, but soon realized that what he really wanted to do was take pictures. "Photography has altered my perspective about the world," he says. "What I see from my eye is different from what I see through my camera."

In an effort to put his skills to practical use, Qu joined the arts and writing co-op and completed a work term at Victoria's Lens and Shutter photography store last summer. He returns there for a second term in May, where duties will include working in the lab, and developing and printing photos.

"It's important to know the printing process and the film in order to control the final result," he says.

During his first work term, Qu learned to look at photography from two sides. He says his instruction at UVic taught him to think artistically about photography and his experience at Lens and Shutter has helped him understand Canadian culture.

"The job was not simple, so working there gave me a lot of confidence," he says.

Qu is impressed by Canada's natural environment, the focus of much of his work. "The geographic landscape is very different here; the air is cleaner and the light very transparent. I especially love the sea," he says.

Qu's photographs are currently on display in the arts and writing co-op office and the co-op director's office at the University Centre. "Visual art is really about what you see, but there are other, more important things that are behind a picture," he says. "For me, photography is a bridge between the physical and internal worlds."



Straw at the children's rescue centre in Costa Rica.

International program provides real-world experience

by Lynda Hills

Promoting human rights and democracy in Thailand, improving the quality of life of people living with AIDS in the Pacific region, and protecting forest and marine resources in Micronesia—these are some of the eye-opening experiences gained by graduates as part of a distinctive UVic cross-cultural program.

Under the university's centre for Asia-Pacific initiatives (CAPI) umbrella, the international internship program provides young people in

Canada with overseas work experience and supports the work of UVic partners in the Asia-Pacific region.

"Through these kinds of placements young people have the opportunity to apply what they've taken in university, and learn in a very practical and grounded way about complex issues," says program officer Heidi Tyedmers.

Placements are for eight months, and usually start in June and end in February. The recruitment process is Canada-wide. Over the last two years, seven UVic students have been sent overseas.

Recently, four of last year's interns took part in a joint panel presentation with CAPI and the Canadian-based international development organization, CUSO. They talked about their experiences in Thailand, Micronesia and the Cook Islands.

UVic education graduate Nathan Elliot worked in Bangkok, Thailand, with the Foundation for Child Development (FCD). Founded in 1982, FCD was one of the first organizations in Thailand to explore the issue of child labour. The foundation's vision has since expanded to include

a variety of initiatives to foster child development.

As child labour project officer, Elliot helped organize campaigns to raise awareness of child labour issues, and provided support to FCD's community-based activities, and their communications and media relations initiatives. "The experience gave me a look at a new career landscape," says Elliot.

The recent panel presentation brought together the separate programs of CAPI and CUSO in an effort to showcase both international programs and create more opportu-

nities for interns after they return to Canada.

"Participants learn a lot about themselves through these experiences," says Tyedmers. "They develop a depth of confidence about their own abilities, and their ability to contribute in a meaningful way in diverse work environments."

The CAPI international internship program is funded by Foreign Affairs Canada through the Young Professionals International program. For more information visit www.capi.uvic.ca or call 721-7020.

Canada Research Chairs



E-ENLIGHTENMENT

Political scientist creates cyber window into the future of techno-culture

by Lynda Hills

Strap yourself in for a time capsule ride into the future. Your pilot is UVic political scientist Dr. Arthur Kroker who is using advanced video conferencing techniques and networked computing to explore the social, ethical and political implications of the digital future.

Kroker's home base is the Pacific Centre for Technology and Culture (PACTAC), an interdisciplinary institute for research and teaching that focuses on the impact of technological change on culture, politics and society. Located in UVic's Technology Enterprise Facility, PACTAC is the faculty of social science's window into the future of techno-culture.

"PACTAC looks ahead 10 or 15 years to the consequences of new technologies," says Kroker, who joined UVic in 2003 as the Canada Research Chair in technology, culture and theory. Often described as a "futurist and cyber-philosopher," he studies Internet culture, the social and political consequences of emergent biotechnologies, and the impact of information technology on contemporary culture.

PACTAC was launched a year ago by Kroker and his team, which includes senior research scholar Marilouise Kroker, Ted Hiebert, and Jackson Leween. "The idea was to create an exciting, innovative space where researchers from many disciplines can find an intellectual home, where they can meet face-to-face and in cyberspace," says Kroker.

The centre's main information

conduit starts at CTheory.net, an international, peer-reviewed electronic journal and academic archive of articles, interviews, key events, and book reviews. If you're looking for information on what the latest futurists are thinking, or just interested in stretching your brain, CTheory is the place to go.

"CTheory has 25,000 readers in 100 countries, including people inside and outside universities and technology labs, doctors and public policy-makers," says Kroker.

Anyone with access to a computer can hook up and take a ride. In fact, accessibility is one of the main philosophies of PACTAC. "Articles are downloadable, free and can be used as a teaching resource," adds Kroker. "Browsers can get in touch with the author if they want more information, or to start up a dialogue."

The CTheory website also features CTheorybooks, a digital, universal library with books on subjects ranging from futurist philosophy to feminism. Since CTheorybooks began two years ago, more than 50,000 books have been downloaded, many into countries with state control over information. "Many books about feminism have been downloaded by women in Iran," Kroker notes.

One of PACTAC's main goals is to generate thought and dialogue. CTheory Live (www.pactac.net) offers live, online seminars, where experts can discuss the implications of science and technology on modern culture. The seminars are all archived and, like a small on-screen movie, can be accessed online at any time.



Kroker

CTheory Live topics have included contemporary politics, music, film, biotechnology, new digital technologies, and the future of indigenous resistance. Recently, PACTAC published *Life in the Wires: The CTheory Reader*, a 500-page anthology of articles on technology and culture that is used in media courses in Canada, the U.S. and Australia.

"Not understanding the implications of future technologies has massive consequences," Kroker says. For example, in a recent seminar, political scientist Dr. William Leiss, past president of the Royal Society of

Canada, made the convincing argument that, given the current pace of genetic research, we'll be able to redesign the human body within five to 10 years.

"What mother would not want better vision, better athletic skills, higher intelligence and a better memory for her baby?" Kroker asks. "This gives rise to a huge question: once we genetically re-design the body on a species level, can we find our way back if there are unintended consequences?"

Since he came to UVic, Kroker's vision for PACTAC has grown.

"There's so much creativity at UVic that has inspired this project," he says. "The virtual community has become something tangible and real. Using technologies for substantive and in-depth communication is now an everyday occurrence."

PACTAC is funded by the Canada Research Chair program, the Canada Foundation for Innovation and the B.C. Knowledge Development Fund.

To take your journey into the future visit www.ctheory.ca.



Nurse educator is UVic's newest dean

Dr. Mary Ellen Purkis, current director of the school of nursing, has been appointed dean of human and social development effective July 1.

A former practising nurse who received her BN and RN from the University of Calgary and an MSc and PhD in nursing from the University of Edinburgh, Purkis joined UVic's school of nursing in 1993. She was appointed its director in 2001.

Prior to joining UVic, Purkis served on the nursing faculty at the University of Lethbridge and Medicine Hat College.

Purkis is a scholar in the area of nursing practice, education, and the effects of contemporary health promotion and self-care on nursing practices. She's currently vice-chair of the Nurse Educator's Council of B.C. and chairs the nominations committee of the Canadian Association of Schools of Nursing.

Purkis is actively involved in graduate education, both as a supervisor and a committee member, and has an active program of ongoing research. She has considerable experience in distance and distributed education and



Purkis

has contributed to many administrative committees at the university.

"The search committee was impressed with Mary Ellen's intellectual capacity, breadth of experience, professionalism and commitment to the school, the faculty and the university," says Jamie Cassels, vice president academic and provost. "She's clearly dedicated to the advancement of teaching and scholarship in the university."

Budding filmmaker earns national kudos

by Lynda Hills

Experimenting with filmmaking has given UVic writing student Marjorie Celona another outlet for her creativity, and it's paid off. The third-year writing student made a short movie for a film class at UVic which placed her as one of the finalists in the National Screen Institute's amateur movie contest, National Exposure.

The screenplay came from a story by UVic graduate Avi Lambert. Last year, Celona read one of Lambert's stories called, *The Monster Inside*. "For whatever reason, the story just stuck with me," she says.

Originally written as a children's story, *The Monster Inside* is a psychological drama between the man and his inner monster. "I found it to be a beautiful, quirky, and vivid piece of writing," Celona says.

She called the film *George's*

Monster and, taking the phrases that felt the most cinematic, adapted the story for the screen. Resources at UVic's studio for integrated media (SIM) allowed Celona to create her magic. The film uses voice-over narration with the Russian-accented talents of Allan Thain. One actor, Christopher Vickers, plays the main part.

"Christopher's very appealing to watch on film. I knew that for a film that followed one man, he could sustain the audience and the tension," she says.

When the movie was finished, Celona decided to enter *George's Monster* in the National Exposure contest. She was surprised to be one of the 12 finalists Canada-wide. Even though *George's Monster* wasn't the winner, the experience has been invigorating for her and Lambert.

"I am extremely happy with the movie's success, both for Marjorie



Celona

and for the fact that people can identify with *George's* story," says Lambert.

Celona received the best compliment on the film from the co-ordinator of National Exposure. "She said that every time she watched the film, she found something new."

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Kudos and awards wrap up busy Vikes season

by Lynda Hills

UVic Vikes athletes and coaches earned honours and respect last month for their gritty performances at home and on the road.

The men's basketball team was seeded sixth heading into the semi-finals of the Canadian Inter-university Sport (CIS) championship in Halifax after winning the silver medal at the Canada West Final Four Championship. After a heartbreaking 62-60 loss to Brock University, UVic defeated the University of Ottawa in the consolation round final.

As honorary chair, former UVic director of athletics Wayne MacDonald opened the tournament. MacDonald was recognized for his contributions to advance Canadian university sport. During his time as athletic director from 1990-2004, UVic won 31 national titles.

The women's basketball team also went to the national championships in Winnipeg, where they played against Université Laval for the bronze position. Laval won 60-47. Jody Potts was named Canada West defensive player-of-the-year, top defensive player in Canada, and a second-team all-star.

Vikes men's basketball coach Craig Beaucamp and star guard Chris Trumpy received coach-of-the-year and defensive player-of-the-year honours at the 2004-2005 Canada West Championship respectively.

CIS has renamed an award in honour of Kathy Shields, the long-time coach of the women's Vikes basketball team. She presented the

inaugural Kathy Shields Rookie of the Year Award at the CIS women's basketball championship banquet in Winnipeg on March 15.

Shields coached for more than 20 seasons in CIS and with the Canadian national team. She was a three-time CIS coach of the year and amassed a regular season record of 320 wins against 50 losses. Shields has recently stepped down from her coaching position due to ongoing medical reasons.

"This is a very sad day for me," Shields said at an announcement attended by many of her former players. "I care deeply about the UVic program and have enjoyed 25 great coaching years at this school."

Vikes Mitch Gudgeon (basketball) and Stephanie Dixon (swimming) were also named Sport BC Athletes-of-the-Year. Gudgeon, in his first year with the Vikes, won in the high school male athlete-of-the-year category. Dixon won in the athlete-with-a-disability category for her eight-medal performance at the 2004 Paralympics in Athens, Greece.

Dixon was the first non-abled swimmer to qualify for the Canadian Interuniversity Sport Championship. She also broke her own world record for swimmers with a disability in the 200-metre backstroke at the B.C. Seniors Swimming Championship.

At the same meet, Mackenzie Downing finished with a gold medal in the 200-metre butterfly. Veteran Dave Creel picked up third in the 400-metre individual medley and alumna Christin Petelski nailed a bronze medal in the 100-metre breaststroke.

Swimmer, rugby player win top athlete awards

Two Vikes athletes whose skills took them to the world stage as members of Canada's national teams headlined the winners at this year's annual athletics and recreation awards banquet on March 31.

The outstanding male and female athlete-of-the-year awards go to rugby player Mike Danskin and swimmer Stephanie Dixon. Both were in the spotlight on the international stage this year with Danskin on the Canadian national men's 7's and 15's rugby teams and Dixon winning eight medals at the Paralympic Games.

The President's Cup, for the outstanding athlete in fourth- or fifth-year who best combines scholastic achievement and athletic ability, goes to Elise Roberts. The co-captain of the women's field hockey team is graduating with a degree in biochemistry and microbiology.

"I'm delighted that Elise chose field hockey at UVic," says head coach Lynne Beecroft. "Elise is one of the best all-around student-athletes I have ever coached. She's an all-star student and all-star athlete."

For a complete list of all Vikes award winners visit vikes.uvic.ca.



Institute investigates energy options for remote community

by Maria Lironi

What do you do if you live in a remote community that has only one power source and it suddenly stops working?

That's the question researchers in UVic's Institute for Integrated Energy Systems (IESVic) are trying to answer in a two-year, \$30,000 study sponsored by the Ministry of Energy and Mines.

The Huu-ay-aht First Nations community near Bamfield, a coastal village on the west coast of Vancouver Island, is ideally suited for such a study. And, if the Huu-ay-aht can generate their energy locally, it will create much-needed jobs and provide more autonomy.

To understand the current and future energy needs of the Huu-ay-aht, UVic mechanical engineering graduate student Christina Iannicello spent last summer living in the village.

Iannicello organized "energy activity days" to help residents become familiar with energy options. "We cooked hot dogs using solar energy, went on field trips, and participated in scavenger hunts," she says. "It was a chance for me to meet members

of the community and talk about their plans for the future. It was also a chance for the residents to get to know me."

What Iannicello discovered is that the village has a problem with the reliability of the power it receives from B.C. Hydro via a line from Port Alberni. Currently, it experiences as many as 30 outages annually averaging nine hours each.

The village is also interested in creating jobs and using energy more efficiently in its homes. This is especially timely as the main village of Ana'cla is being rebuilt and relocated to a higher location because of the possibility of damage from a tsunami. The village was severely damaged in a 1964 tsunami and the entire Ana'cla tribe, except for one person, was wiped out by a tsunami in the 1700s.

"As a result of Christina's work we've come up with some ideas that have the potential to benefit the Huu-ay-aht economically and allow them to have consistent power," says Dr. Peter Wild, IESVic's acting director.

"For example, electrical storage may be one way for the community to ride out power outages. We're also

looking at using wind, micro-hydro and biomass energy."

The IESVic team will present its recommendations to the Huu-ay-aht this summer.

"The timing of IESVic's study is perfect," says Tom Happynook, one of the hereditary chiefs and co-chief treaty negotiator for the Huu-ay-aht First Nations. "For the past six years we've been trying to build better homes for our families, as well as attempting to overcome the deficiencies of the current energy source from B.C. Hydro. This project and IESVic's recommendations will help provide more rationale which we can take to the Department of Indian Affairs."

Founded in 1989, IESVic is a leader in the promotion and development of creative energy alternatives through original research. With a successful track record in research collaboration, IESVic works with industrial partners across Canada and globally on all aspects of sustainable energy systems.

IESVic's areas of expertise include fuel cells, cyrofuels, energy systems analysis and energy policy development. For more information visit www.iesvic.uvic.ca/.

Writing student wins coveted literary award

by Lynda Hills

UVic writing student Devin Krukoff had no idea that a trip to Nebraska would win him the Journey Prize.

"I visited a distant family member and the dynamic there was so bizarre. It was the fourth of July and they had the radio turned up to a baseball game and the entire stadium started humming 'Take me out the ball game' on kazoos," he says. "I wasn't as aware of the cultural divide between the U.S. and Canada before that day."

In March, the UVic master's student won the coveted literary award for the short story *The Last Spark*, which came out of the trip. "Every once in a while it occurs to me that I've won the Journey Prize," Krukoff says. "I still can't believe it."

The \$10,000 award, sponsored by the Writers' Trust of Canada and McClelland/Stewart publishers, is given to "a new and developing writer of distinction for a short story published in a Canadian literary journal."

Each year, literary journals in Canada forward three exceptional stories to the Writers' Trust, and a dozen stories Canada-wide are selected for the Journey Prize anthology. The final winner is chosen from this anthology.

For Krukoff, even more pleasing is the fact that it's the first story he's had published. *The Last Spark* was originally published in *Grain*, a journal that comes out of Saskatchewan. "I was surprised to even get into the anthology," he says.



LYNDA HILLS

Krukoff

One of the winning perks was an all-expenses-paid trip to Toronto to receive the award. Celebrations involved a dinner the night before with authors including Alice Munro. Krukoff says he was somewhat nervous around the illustrious company, and especially Munro.

"She had this glow of celebrity about her," Krukoff says. "It was a little daunting being around all that talent, but everyone was very

gracious and kind."

Previous winners of the prize include Yan Martel, author of *Life of Pi*. "As far as predecessors go," Krukoff says, "that's pretty good company to be in."

By next year, Krukoff plans to finish his master's thesis, which is a novel and collection of short fiction. "I've heard the award opens doors all over the place, but I'm trying not to get my hopes up," he says.

University seeks feedback on initiatives for aboriginal students

The number of aboriginal students is increasing on campus, but UVic wants to attract even more. The university also wants to improve their opportunities for academic success.

Last summer a pilot study on postsecondary access and retention of aboriginal persons, led by UVic psychologist Dr. Chris Lalonde, revealed several potential areas of focus. The university is now looking for feedback on suggested initiatives the university would like to implement by the fall.

The pilot study, funded by the Millennium Scholarship Foundation of Canada, focused on three main areas: on-campus consultation and information gathering about what UVic is currently doing for aboriginal students; an examination of programs and services offered at

other postsecondary institutions; and consultation with current, and former UVic students, First Nations community representatives and UVic faculty and staff members.

"Our research steering group was very aware that the short time-line did not provide sufficient time for the extensive consultation the project required," says Lalonde who now shares co-investigator duties with Roger John, the aboriginal student advisor in human and social development. "We now want to do more extensive consultation on the four potential programs and intervention options that we developed."

Aboriginal students, staff, faculty and alumni along with aboriginal community leaders, educators, counsellors and organizations, will be consulted in the coming weeks on the following initiatives:

a peer mentoring program; direct financial support for students in the form of bursaries; research apprenticeships; and community internships to bring students, communities and university researchers together to focus on community-driven issues.

John and Lalonde anticipate much of the feedback will be done in small groups or one-on-one. Once the consultation is completed, the programs will be adjusted accordingly and the initiative, called LE,NONET (a Sencoten/Coast Salish word meaning "having or achieving success after many hardships") will be launched in the fall. The effectiveness of the intervention strategies will be assessed over a four year period.

For more information call 472-4713 or visit uvic.ca/lenonet.

In Memoriam

Dr. **Alec McCarter**, a faculty member in biochemistry and microbiology from 1980-83, died Feb. 14 in Victoria. Alec grew up in the gold-rush town of Dawson City in the Yukon where one of his best friends was Pierre Berton. A survivor of polio, his career as a biochemist and author of over 50 scientific articles earned him many accolades, including the Queen's Silver Jubilee Medal in 1977. While

serving as head of biochemistry at Dalhousie University from 1950-65 he was instrumental in establishing the division of medical research at the National Research Council and its transition into the Medical Research Council of Canada. In 1965 he joined the University of Western Ontario as director of the National Cancer Institute of Canada's cancer research laboratory, where his team was the

first to describe an important mammary tumor virus. The last years of Alec's 45-year research career were spent at UVic (1980-1983) where he carried out basic research in environmental toxicology. Alec was a quiet mentor to many and will be missed by all who knew him.

Contributed by friend and colleague **Bob Olafson**.

Gifts that make the grade **A+**



A passion for music inspired the gift of a perpetual scholarship for undergraduate piano students from Lorne Swannell, in memory of his late wife, Grace Alexander Swannell. **Lorne and Grace Swannell**, married for 55 years, were great music lovers and supporters. Lorne Swannell, an alumnus of Victoria College and of UBC, retired as B.C.'s chief forester in 1972. Prior to establishing this scholarship, the couple donated an extensive collection of musical recordings to the UVic music library and funded the purchase of a new grand piano for a teaching studio in the **school of music**. As a result of Lorne Swannell's recent scholarship donation, young pianists will be supported and inspired in memory of Grace Swannell in perpetuity.

"You can do it, we can help"—that's the message officials of **Home Depot Canada** sent when they presented a cheque for \$51,500 to UVic to create entrance scholarships for the graduates of Mount Douglas or Lambrick Park high schools. The scholarship announcement also marks the launch of a new Home Depot location to be built just west of the university campus on Shelbourne Street. The new endowment created by the gift will provide one annual entrance scholarship worth \$1,500 for either a Mount Douglas or Lambrick Park graduate who is actively engaged in community service.

CALL FOR NOMINATIONS TO THE MEMBERS OF CONVOCATION

THE UNIVERSITY OF VICTORIA INVITES YOU TO NOMINATE CANDIDATES FOR THE ELECTIONS OF THE CHANCELLOR OF THE UNIVERSITY AND FOUR MEMBERS OF THE SENATE.

Nomination papers must be received in the Office of the University Secretary, Room 410, Business and Economics Building, University of Victoria, P.O. Box 1700, STN CSC, Victoria, British Columbia, V8W 2Y2, by 15 July 2005.

Nomination papers for candidates for the office of the Chancellor must be signed by no fewer than seven members of the Convocation; nomination papers for candidates to the Senate must be signed by no fewer than three members of the Convocation. In every case the nomination paper must also be signed by the candidate who shall indicate acceptance of the nomination in writing. Nomination forms are available from the Office of the University Secretary, Room 410, Business and Economics Building, tel: (250) 721-8102, e-mail: joya@uvic.ca, fax: (250) 721-6223.

Deadline for filing nomination papers Friday, July 15, 2005

ELIGIBILITY

Election for the Chancellor:

Under Section 19 of the University Act, the Chancellor shall be a member of the Board of Governors, and under Section 35, the Chancellor shall be a member of the Senate. Under Section 23, the following persons are not eligible to be members of the Board and therefore could not assume the position of Chancellor:

- (a) Members of the Parliament of Canada;
- (b) Members of the Executive Council or of the Legislative Assembly;
- (c) A person who is not a Canadian citizen or is not a permanent resident under the Immigration Act (Canada);
- (d) A member of the public service in the ministry;
- (e) A member of the public service designated by the minister.

Election for the Convocation Senators:

Persons eligible to stand for election to Senate shall be members of the Convocation who are not faculty members of the University.

Persons eligible to make nominations and to vote shall be members of the Convocation.

TERM OF OFFICE

THREE YEARS: 1 January 2006 to 31 December 2008.

VOTING

The election will take place between 17 October 2005 - 18 November 2005.

Julia Eastman, Registrar
Office of the University Secretary
Dated at Victoria, British Columbia
April 7, 2005

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Grad student wins national scholarship award

by Lynda Hills

After growing up in the polluted climate of Mexico City and Toronto, Daphne Eerkes-Medrano has appreciation of clean air and nature.

"Coming to Victoria was so amazing," she says. "Seeing how much nature there is here blows your mind away. I fell in love with it."

Now the UVic graduate student in marine biology will extend that love overseas as she explores the ocean depths of other countries. Eerkes-Medrano is the winner of a 2005 Julie Payette Research Scholarship from the Natural Sciences and Engineering Research Council (NSERC), worth \$25,000. She's one of 24 winners across the country.

The scholarship is named after Canadian astronaut Julie Payette, who "embodies the leadership qualities and excellence that NSERC is seeking to encourage and support." Winners are chosen for their outstanding academic excellence, research ability and potential, as well as their leadership and communication skills.

Eerkes-Medrano credits her lifelong love of biology, the support of her teachers, and the UVic co-op program in getting her where she is today. "I had my first taste of research in co-op," she says. "If it wasn't for that experience I wouldn't have known I liked it."

Since graduating with a BSc in 2004, Eerkes-Medrano has gained experience in and out of the lab. During the last year of the degree, Eerkes-Medrano volunteered with the Let's Talk Science partnership



Eerkes-Medrano with sponge samples.

program and is now one of the coordinators. And recently, she's been working with UVic and University of Alberta researchers to study glass sponge reefs.

The Payette award allows students to continue their studies in Canada or abroad. Eerkes-Medrano hasn't yet decided whether she'll study coral reefs

at James Cook University in Australia or do deep-sea research at Southampton University in England.

"I wanted to go abroad, so I looked at every scholarship that enabled me to gain research experience from an international institution," she says. "That way I can bring the knowledge back to B.C."

Aroundthering

UVic families receive emergency help

UVic student families in need can now access emergency funds from the UVic Family Centre. "Whether it's an illness, a loan not arriving when it was expected, or any kind of emergency, the centre's emergency fund can help," says Barb Whittington (social work), the faculty member responsible for the centre. "Up to \$100 is available on short notice, with a minimum of paperwork, to meet unexpected family emergencies." The centre's community advisory group will administer the fund according to guidelines developed together with student families. The decision to provide emergency funding will be made on a case-by-case basis and only in exceptional circumstances would a student family receive funds more than once in a six-month period. "The families have told us that this kind of 'no shame help' would take some of the debilitating pressure off when things go sideways and there's nowhere to turn," says Whittington. To make a donation or for more information contact the centre staff at 472-4062 or family@uvic.ca.

Law students test their client counselling skills

Two UVic law students represented Canada when the American Bar Association held its World Client Counselling Competition in Hawaii this month. Stephanie Mitchell and Barry Robins, along with co-coach UVic law sessional instructor Steve Perks, were the only Canadian team to win regional honours earlier this year. That sent them to the North American finals at the Chapman School of Law in Orange, California in March where they placed third. The competition tests the students' abilities to communicate with clients, identify their concerns and come up with possible solutions—all within a tight deadline. "The subject matter of this year's competition is sports and entertainment law," says the team's co-coach, law professor Andrew Pirie. "The team is presented with brief scenarios and given 30 minutes to conduct a meeting with their 'clients,' realistically portrayed by actors, while being observed by judges. Then the team has 15 minutes to discuss how the interview went and talk about realistic follow-up tasks." Each team participates in several preliminary rounds, with the teams judged to be the best advancing to semi-final and final rounds. In Hawaii, the UVic students competed against teams from 15 countries.

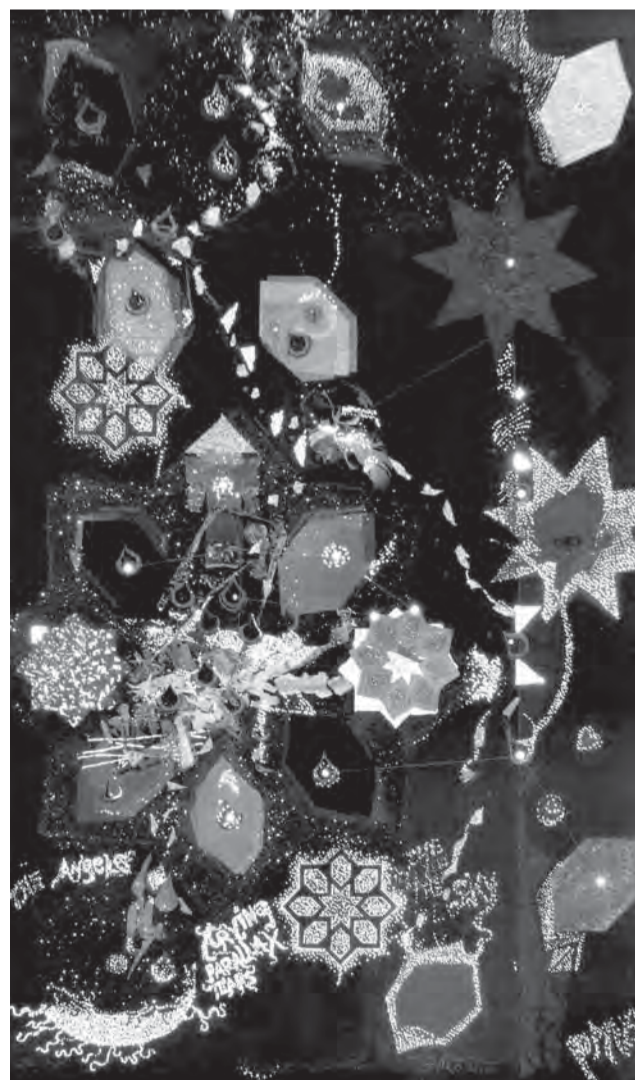
Recycle your way to a healthy body

UVic students who want to blend ecology with exercise now have another option. The UVic bike bursary program SPOKES (Student Promotion of Kickstands Etc. Salvaging) is gearing up for its annual bike fleet giveaway this month and is accepting applications for bikes now. "The program combines waste diversion with volunteering and is an excellent opportunity for students to be introduced to the benefits of commuter cycling," says sustainability co-ordinator Sarah Webb. "It's recycling at its best." Three times a year, volunteers recondition old bikes, check them for safety, and then SPOKES gives them away to eligible UVic students. Begun in 2003 and funded through the UVic Students' Society (UVSS) and the UVic sustainability project (UVSP), the bursary program has handed out 74 bikes so far. Included with the bike is a free commuter cycling course, a lock, and a subsidized cycling helmet for \$20. Application forms can be downloaded from the UVSS or UVSP websites. For more information contact Webb at 472-5011.

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GALLERY

OF GREATER VICTORIA

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

Changing Hands: British watercolours from the 18th and 19th centuries: the S.W. Jackman collection. Maltwood Art Museum & Gallery. Until April 15.

Shashin: Japanese Canadian studio photography to 1942. April 21–June 22. Maltwood Art Museum & Gallery

Visions of the West Coast: Celebrating the creative expression of artists living or working in the Alberni Valley region. Works collected by artist and teacher Robert Aller. Until May 1. McPherson Library Gallery.

Thursday, April 7

Asia Pacific Initiatives Seminar 12:30 p.m. *Recent Developments in Intellectual Property Law in ASEAN Countries.* Christoph Antons, Univ. of Wollongong, Australia. Fraser 152. 721-7020

Addictions Research Lecture 4:30 p.m. *The Impact of Vancouver's Safer Injection Facility: Preliminary Results from the Scientific Evaluation.* Thomas Kerr, British Columbia Centre for Excellence in HIV/AIDS. Hickman 110. 472-5305

Beck Lecture 7:30 p.m. *Structural Aspects of the Old Icelandic Farmhouse: A First-hand Experience.* Hannes Lárusson, artist and author. HSD A240. 853-7656

Friday, April 8

Deans' Lunchtime Lecture Series 12 p.m. *Chinook Jargon as a B.C. Native Language.* David Robertson, PhD candidate, UVic. UVic Downtown. 472-4747

Music 12:30 p.m. *Fridaymusic.* School of music chamber ensembles. MacLaurin B125. 721-7903

Saturday, April 9

Music 8 p.m. *UVic Chorus & Orchestra Concert.* János Sándor, conductor. Mendelssohn's *Elijah* with guest soloists. Univ. Centre Farquhar Auditorium. \$15./10.75. 721-7903

Monday, April 11

Interfaith Chaplaincy Workshop 7 p.m. *Learn to Walk the Labyrinth.* Until April 28. Mondays 9 a.m. – 9 p.m. Tuesdays–Thursdays 9 a.m.–5 p.m. Interfaith Chapel. To register e-mail chaplain@uvic.ca or call 721-8338

Monday, April 18

Lansdowne Lecture 6:30 p.m. *Work-Life Integration: What We Know and Why We Need a Broader View.* Dr. Paul Blyton, Cardiff Univ, U.K. Strong C118. 721-6406

Wednesday, May 4

Centre for Earth & Ocean Research Special Presentation 7 p.m. *Earthquake and Tsunami Hazard on Canada's West Coast.* A moderated panel discussion by local experts, question period, displays. Includes showing of CH News documentary, *Magnitude 9.* MacLaurin A144. 721-8848.

Spring–Summer 2005 Ring Schedule

Calendar items should be sent by 4 p.m. on the copy deadline date shown below to UVic Communications (Sedgewick C149, fax 721-8955, e-mail ucocom@uvic.ca) or entered into the online calendar (www.uvic.ca/events). For more information call 721-7636.

Publication Date	Copy Deadline
Thursday, May 5	Wednesday, April 27
Thursday, June 9	Wednesday, June 1
Thursday, July 7	Wednesday, June 29

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721-2441



Bob Reimer

Auctioneer founder wins entrepreneur award

by Dianne George

Dave Ritchie, chairman of Ritchie Bros. Auctioneers, the world's largest industrial auctioneer, has been named 2005 Distinguished Entrepreneur of the Year by UVic's faculty of business and its board of advisors.

The annual award acknowledges an inspirational entrepreneur who has had a significant and positive impact on the global community through his or her business leadership.

"Dave is a real inspiration," says David Schneider, chair of the board of advisors. "He's a role model of entrepreneurial leadership for the business community and for our students."

Ritchie grew up in Kelowna

where, working with his brothers, he built his father's used furniture store into a global leader among industrial auctioneers. Ritchie Bros. is listed on the Toronto and New York stock exchanges and achieved gross auction sales in 2004 of approximately \$1.79 billion, a 14 per cent increase over 2003.

Nominations for the award were considered by a five-person panel made up of members of the faculty's board of advisors. It was chaired by Peter Gustavson, president and CEO of Custom House Global Foreign Exchange. The panel reviewed nominations based on a set of criteria including vision, entrepreneurial drive, and impact on the Canadian and global economies.

Ritchie will be presented with the award at a gala ceremony on



Ritchie

May 25 at the Victoria Conference Centre. For more information visit www.business.uvic.ca/deya or call 721-6406.

Study and photo exhibit explores lives of Japanese-Canadians

In 1942, when Japanese Canadians on the West Coast were forced into internment sites, each adult was allowed to take only 150 lbs. of belongings. Everything else, including family albums, were entrusted to the care of the government's Custodian of Enemy Alien Property and subsequently sold at public auction.

Now researchers at UVic and the Japanese Canadian National Museum in Burnaby are using photographs taken by Japanese Canadian studio photographers from the turn-of-the-century to 1942 to gain insight into this era. They're examining issues such as assimilation and exclusion, the role of Japanese Canadian photographers in Canadian society, and the value of photographs in reconstituting community stories.

The project has resulted in a travelling exhibit of photographs,



entitled "Shashin: Japanese Canadian Studio Photography to 1942," currently on display at the Royal BC Museum until April 17, and then at the Maltwood Art Museum

and Gallery from April 21 to June 22.

Dr. Phyllis Senese (history), who has taught courses on racism in Canada for many years, contributed research to the exhibit. "In places like Cumberland, the interaction between the Japanese photographers and the larger community provides an interesting insight into broader Canadian society," she says. "For example, one of the very few photographs of miners below the surface was taken by a Cumberland photographer."

Material for a museum education resource kit will be used in B.C. schools' social studies and arts curricula. The project is funded by an SSHRC Community-University Research Alliance program in the department of history in art.

For more information go to www.cura.uvic.ca/projects/japanese_canadian/home.html.

Awards boost graduate research in the health sciences

by Lynda Hills

Six young health researchers at UVic got a shot the arm last month from the Michael Smith Foundation for Health Research.

The Michael Smith Trainee Awards, offered in the fields of health services, population health, clinical and biomedical research, support highly qualified individuals at the master's, PhD and postdoctoral levels as they prepare for careers as independent health researchers. The awards are valued at \$20,000 a year over two to three years.

Diane Allan, a PhD student in the centre on aging, is investigating to what extent the current health care system accommodates seniors living in rural areas who require more specialized health care services. "It may help to clarify why some research has found few differences in health service utilization among

rural and urban older adults," she says.

Allison Bielak, a PhD student in psychology, is investigating whether a lifestyle of physical, social, and intellectual activities maintains or protects cognitive performance in older adults. "The results of this research can educate our aging population on which activities may be best to participate in, and may aid treatments in slowing the progression of diseases like Alzheimer's," she says.

Adrienne Bonfonti, a master's student in sociology, is researching the implications of sexual education and early sexual activity on the outcome of maternal health. Her study will examine how the experiences and health of first-time mothers during pregnancy, childbirth, and motherhood connect to their earlier experiences of education, menstruation and sexual activity.

Sandra Hundza, a PhD student

in kinesiology, is studying the effect of resistance and speed on the control of rhythmic arm and leg cycling. She hopes her research will help design rehabilitation programs that can assist people in regaining motor co-ordination after a stroke or a spinal cord injury.

Carol Sparks, a master's student in the institute for dispute resolution, is exploring the processes through which community projects such as ecological restoration or independent living programs create sustainable and long-term changes in high-risk youth.

Kristine Votova, a PhD student in sociology is researching how information about herbal medicine is shared within an older population. "By mapping how herbal information diffuses through older adult networks, health care providers are in a better position to target health information," she says.

GLOBAL WARNING

by Shannon McCallum

Is it possible that the coldest and least inhabited regions on Earth could influence the course of global warming? "Definitely," says an international team of Arctic experts.

UVic geographer Dr. Terry Prowse is a member of this team and one of the lead authors of the Arctic Climate Impacts Assessment, which this month publishes its full scientific report detailing the impacts and consequences of climate change in the Arctic.

Climate scientists agree that without any reductions in greenhouse gas emissions, the Earth's surface temperature is projected to rise about three degrees Celsius by the year 2100. This warming won't be uniform. Some regions could undergo slight cooling, but the Arctic will

likely see drastic warming two or three times the global average.

The potential impacts on the Arctic—some of which are already occurring—are severe. And the consequences will be felt worldwide, warns Prowse.

"The changes will quicken the pace of global warming and intensify its impacts throughout the world. Not only will melting sea ice and glaciers increase global sea levels, but shrinking areas of reflective ice and snow will lead to more sunlight being absorbed by the exposed water and land, further heating up the planet."

Prowse is a hydrologist who studies cold, freshwater systems. He holds the research chair in climate impacts on water resources, based in UVic's geography department. He also heads the Water and Climate Impacts Research Centre (W-

CIRC), jointly sponsored by UVic and Environment Canada. The centre conducts interdisciplinary research on the impact of climate on Canadian and global water resources.

The Arctic is a major study area for Prowse and his research team. "The Arctic is our canary in the coal mine," he says. "Since the Arctic is warming faster than the rest of globe it makes sense to look there for the earliest signs of climate change."

To keep an eye on these changes, Prowse has enlisted UVic graduate student Megan Thompson to work on the Distant Early Warning (DEW) Line for climate change, an Environment Canada-funded project that will monitor 22 lakes across the Canadian Arctic.

The team will track changes in temperature, nutrient availability, water budgets and

lake ecosystems, creating a permanent record of how the lakes respond to changes in the regional environment.

The DEW Line project is a first for Canada and will provide valuable insights into how northern ecosystems and water resources react to environmental stresses such as pipeline construction, dam-building and, of course, climate change.

"This is frontier science," says Prowse. "We really don't know what the effects of climate change on these systems will be, but we know they'll be important."

A UVic research team tracks the effects of climate change in Canada's warming Arctic



This article was written by Shannon McCallum, a student in the faculty of graduate studies, as a participant in the UVic SPARK program (Students Promoting Awareness of Research Knowledge).



▲ Prowse, right, with Thompson and some of their Arctic research gear.

Among the key findings of the Arctic Climate Impacts Assessment:

- The Arctic climate is now warming rapidly and much larger changes are projected
- Arctic warming and its consequences have worldwide implications
- Multiple influences will alter Arctic ecosystems, pushing some species toward extinction
- Indigenous communities in the Arctic will face major economic and cultural impacts.

Loss of snow and freshwater ice will produce major changes in the ecological health of Arctic lakes and rivers. It will also affect global climate, biological diversity and the dispersal of contaminants originating from southern latitudes.

Loss of sea ice could provide economic benefits by making the Arctic's marine resources, such as oil and gas, more accessible. But the benefits could be outweighed by environmental damage resulting from resource extraction and shipping.

The Water and Climate Impacts Research Centre (W-CIRC) places UVic in the forefront of climate and water-related research in Canada. It complements the work of UVic's climate modeling lab, which studies past, present and future climates, and the university's water and watershed research program, which conducts research related to ecosystem and human health, fisheries, agriculture, climate and pollution.

For more information on W-CIRC visit office.geog.uvic.ca/w-circ.

Engineering creates new research position

by Lynda Hills

An aeronautical engineer with expertise in how mechanical, electrical engineering and computer science interact will be UVic's first associate dean of research in the faculty of engineering. Dr. Afzal Suleman starts his term in the newly created position on May 1.

"Dr. Suleman is an excellent choice as our first associate dean of research," says Dr. Michael Miller, dean of engineering. "The position will contribute to the growth of the research activity, diversify funding support for research, and provide mentorship for the talented, new faculty members who have recently joined us."

In his new position, Suleman will co-ordinate research proposals, cultivate new research partners, oversee publicity materials, and promote

research activity within the faculty. He'll also seek funds and equipment for research infrastructure and serve as the principal liaison between engineering and other departments and faculties.

Suleman earned a BSc and MSc in aeronautical engineering at Imperial College in London, England, and a PhD in mechanical/aerospace engineering at UBC. He studied space sciences at the International Space University in Japan, and completed postdoctoral research work at Wright-Patterson Air Force Base in the U.S.

Before joining UVic in 2000, he was an assistant professor at Instituto Superior Tecnico in Portugal. Currently, he's an associate fellow of the American Institute of Aeronautics and Astronautics, and a national delegate on the NATO-RTA Applied Vehicle

Technology Panel and the United Nations Committee on Peaceful Uses of Outer Space.

Suleman has expertise in aircraft and spacecraft design, computational mechanics, fluid-structure interaction and smart structures. His other interest is mechatronics—a combination of mechanical engineering, electrical engineering and computer science.

"To fully appreciate the complexity of aircraft or space systems requires a broad understanding of all three of the engineering sciences that are studied at UVic," he says.

"In particular, the new and emerging fields of engineering such as bio-engineering and nanotechnology are very complex, and an understanding of these multidisciplinary systems is a challenge," he says. "I like a challenge, as long as it's manageable."



Suleman

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