



**University
of Victoria**

SPEED READING

CALL FOR SUBMISSIONS

Share your most amazing summer experience

Have a terrific summer and don't forget to write! *The Ring* would like to hear about the most amazing thing you do this summer. Whether you're faculty, student or staff, email us by Aug. 27 with a short paragraph (photos welcome, too). We'll select some of the most impressive and unusual submissions for print and posting on The Ring website. Email address: ring@uvic.ca

CLEAN ENERGY

FutureGrid forum outlines BC's energy options

Climate change is expected to boost the performance of BC Hydro's main reservoirs through increased water flows, and smart-grid technology promises to significantly reduce consumer electricity demand. These research results were reported at a Vancouver forum on BC's future electricity regime in June, organized by the Pacific Institute for Climate Change. Participants also vigorously debated whether BC should become a major exporter of electricity. More: www.pics.uvic.ca/futuregrid.php

CAMPUS RABBITS

Plan establishes rabbit- free, rabbit control zones

UVic's new long-term feral rabbit management plan, announced in late June, calls for reducing the rabbit population on campus to around 200 sterilized animals, to be limited to areas within Ring Road. Keep up to date on the issue at <http://communications.uvic.ca/rabbits/>. Story, p.2

CO-OP MILESTONE

Business Co-op makes 10,000th placement

The economy may be sluggish, but UVic's Business Co-op and career program is surging ahead, celebrating its 10,000th work-term placement. The big round number was reached with the hiring of third-year business student Fiona Nordean by the Vancouver Island Technology Park. More: <http://bit.ly/9bo1mU>

SOCIAL MEDIA

Join the (virtual) UVic conversation

Facebook, Twitter, Flickr and YouTube—UVic has a growing presence in all these social media spaces and they can be easily accessed right from the main UVic homepage. Keep in touch, get the latest info, view a wide variety of photos and videos generated by members of the UVic community. You can join the conversation and also showcase your own creative contributions by posting your own photos and videos. Check it out: www.uvic.ca (and click on the "Join the conversation" tab)



CLEAN ENERGY PARTNERS WITH CHINA p. 7

THE RING

JULY 2010

The University of Victoria's
community newspaper

ring.uvic.ca



Canoe a vehicle for Indigenous learning and teaching

This summer, students are learning about Straits Salish culture, language and ways of life through hands-on participation in the creation of a traditional W'SANEC dugout canoe and individual paddles. Above, student Gillian Eggleton works on her paddle with master carver Perry LaFortune (centre) and instructor Nick Claxton (right). **Story, page 3.** PHOTO: UVIC PHOTO SERVICES

\$62.9M

TOTAL FUNDING
FROM BC
GOVERNMENT,
CANADA
FOUNDATION
FOR INNOVATION
AND TRIUMF
TO SUPPORT
NEW ELECTRON
ACCELERATOR
PROJECT

PARTICLE PHYSICS

UVic leads consortium to build powerful electron accelerator

New facility will produce isotopes for research and medical applications

BY VALERIE SHORE

The University of Victoria is playing a leading role in a major expansion at TRIUMF, Canada's national laboratory for particle and nuclear physics.

On June 22, BC Premier Gordon Campbell announced a \$30.7-million provincial investment in TRIUMF to support ARIEL (Advanced Rare IsotopE Laboratory), a \$62.9-million facility that will allow TRIUMF to broaden its research in particle and nuclear physics, and materials science. It will also develop the technology to advance Canada's supply of medical isotopes.

ARIEL will house an electron linear accelerator (e-linac) that will produce intense beams of particles to create a variety of

isotopes for pure and applied research. An underground beam tunnel—with walls up to 3m thick—will connect ARIEL to existing experimental halls at TRIUMF.

The e-linac will be one of the most powerful accelerators of its type in the world and the first of its kind in Canada. It is being designed and built by a 13-university consortium led by UVic physicist Dean Karlen, who is jointly appointed to TRIUMF. The project also involves collaborations with researchers in the US, the UK, Germany and India.

"We're very excited about the tremendous potential of the ARIEL project and our role in it," says UVic President David Turpin. "This facility will have a dramatic impact in multiple sectors of research, the

health sciences and commercialization, and sends a clear signal to the world about Canada's commitment to accelerator physics and engineering."

Located in Vancouver, TRIUMF is owned and operated by a consortium of 15 Canadian universities, including UVic. It attracts top physicists from around the world who collaborate on research related to particle and nuclear physics, molecular and materials science, and nuclear medicine.

"TRIUMF was created in 1968 to meet physics research needs that no single university could provide," said Dr. Howard Brunt, UVic's vice-president research, at the Vancouver announcement. "The

SEE TRIUMF P.4

Governor General visits UVic researchers on children's rights

Her Excellency the Right Honourable Michaëlle Jean, Governor General of Canada, visited campus on June 11. She met with researchers associated with the International Institute for Child Rights and Development (IICRD), based in the UVic Centre for Global Studies, whose work is dedicated to improving the lives of children around the world. Earlier this year she presented Dr. Gordon

Smith, executive director of the Centre for Global Studies, with the 2009 Vanier Medal for public service to Canada, which subsequently led to her visit to UVic.

In June, the Governor General announced the appointment of UVic President David Turpin to the Order of Canada (see page 5).

More information on the IICRD: www.iicrd.org



L-R: Smith, Jean, Turpin. PHOTO: GEOFF HOWE

The UVic.ca review team has won the Canadian Council for the Advancement of Education's 2010 Prix d'Excellence, garnering the silver award for best institutional homepage for the second consecutive year. The team included **Robin Sutherland, Joyce Peralta, Beth Doman, Amos Rowsell and Joel Friesen** (communications), **Cathie Walker** (marketing) and **Faye Hoffman** (systems). Other participants from UVic Marketing, Systems, Student Recruitment and other areas across campus also contributed to the project's success.

"The Lion and the Fox: Art and Literary Works by Wyndham Lewis from the C.J. Fox Collection" exhibition catalogue is one of five winners for the 2010 Katharine Kyes Leab and Daniel J. Leab "American Book Prices Current" Exhibition Awards. The 48-page catalogue with full-colour reproductions was produced by Information Service Librarian **Danielle Forster**. Copies of the catalogue are available in Special Collections and online versions of the exhibit are available at: <http://library.uvic.ca/site/spcoll/exhibitions/fox/art.html>



Richard and Liz Flury. PHOTO: CONTRIBUTED.

\$1.5-million gift to UVic has roots in science education

BY CHRIS THACKRAY

A love of learning and a strong commitment to science education are the source of a \$1.5-million donation to the Faculty of Science at the University of Victoria.

The gift from Richard and Liz Flury will go toward the capital costs of the new Bob Wright Centre, Ocean, Earth and Atmospheric Sciences, UVic's new science building complex.

"We are very grateful to Richard and Liz for their exceptional generosity," says UVic President David Turpin. "They have been long-time friends of our university and the Faculty of Science. We're delighted they have chosen to support our science students in this way."

UVic's quest for excellence places it among the very best universities, say the Flurys. "I can't think of any place better," says Richard. "We have worked and lived all over the world, and this

helped me appreciate UVic's strengths in science and the excellent education I received here."

Richard Flury (BSc '70) is a retired oil industry executive who feels strongly that his physics degree was essential to his success. "The value in a physics degree is that it teaches you to solve complex problems," he says. "It teaches you to look at the variables, bring them together and look for alternate solutions. Business problems aren't really all that different."

A graduate of St. Margaret's School in Victoria, Liz raised three children and ran a ballet academy for 10 years in Calgary. She is a graduate of Illinois Benedictine University and specialized in psychology and geriatric counseling. She volunteers with Habitat for Humanity in Florida and St. Matthew's House, and says that she and Richard view higher education as the gateway to a fulfilling life.

write to us

The Ring welcomes letters from members of the university community on matters of relevance to UVic. Please consult our letters policy online at <http://ring.uvic.ca/policies.html> and send submissions to the editor, robie@uvic.ca.

Plan calls for campus rabbit-free and rabbit control zones

The University of Victoria's new long-term feral rabbit management plan establishes the grounds outside Ring Road as rabbit-free zones but also designates the interior of campus as a rabbit control zone where a sustainable population of sterilized feral rabbits can remain.

Removal of feral rabbits from the rabbit-free zones will begin later this summer and continue over the next year through a combination of humane trapping/euthanasia and community-arranged sterilization and relocation to Ministry of Environment-authorized facilities that community organizations can arrange.

Nine rabbits have already been trapped from the area under and adjacent to L Hut, which is scheduled for deconstruction, and transferred to a sanctuary on Saltspring Island. UVic hopes other organizations or individuals will obtain the necessary permits from the Ministry of Environment to move the rabbits from the rabbit-free zones.

"UVic will trap and turn over to community organizations as many rabbits as they can accommodate in approved sanctuaries," says Tom Smith, UVic's executive director of facilities management. "We ask that they provide written proof that a veterinarian has been contracted to sterilize the number of rabbits they are requesting. It would be irresponsible of us to hand over rabbits to any organization without

a guarantee that the rabbits will be sterilized."

UVic has developed requirements to help community members and organizations with sanctioned facilities to relocate the rabbits. They are available at the university's rabbit information website: www.uvic.ca/rabbits.

Smith estimates that over 1,000 rabbits currently live in the rabbit-free zones. They are pets or descendants of pets abandoned by their owners. Once rabbits have been removed from the rabbit-free zones, the focus will shift in 2011 to the proposed rabbit control zone in the interior of campus.

"We think we can maintain a population of about 200 sterilized rabbits in this area," says Smith. "We'll entertain proposals from the public and on-campus volunteers for assistance with the rabbit control zone and for the establishment of feeding stations. However, it is likely that we will initially also have to remove rabbits from this area to reduce the population to the proposed level."

UVic is one of several areas throughout BC and Canada that is wrestling with a growing rabbit population, usually caused by irresponsible pet owners. UVic is supporting the BCSPCA in its campaign to convince municipalities and regions to adopt bylaws making it illegal to sell unsterilized pet rabbits.

Queenswood to close Oct. 1

On June 17, the Queenswood Society announced it would close Queenswood retreat centre by Oct. 1 because of financial challenges.

The non-profit retreat centre is located on the six-hectare wooded site at the corner of Arbutus Road and Queenswood Drive. UVic takes possession of the properties from the Sisters of St. Ann on Jan. 1, 2011.

Prior to the June 17 announcement, UVic and Queenswood Society (established in 2004) had reached an agreement in principle allowing the retreat centre to remain in place during a transition period prior to the university using the space. UVic was offering to lease the premises due to the unique circumstances and in recognition of the role the centre has played in the community over the years.

"We were sincerely hoping that Queenswood could continue to offer its special programming to the community for years to come," says Gayle Gorrill, UVic vice-president finance and operations. "It is truly regrettable this could not come to pass. Given that we only recently learned that the society would not be going ahead with the lease, UVic has not formed any decisions at this time on what might happen with the building once it is vacated."

According to the arrangement with the Sisters of St. Ann, UVic will not have occupancy of the centre until Jan. 1, 2011. The Sisters of St. Ann will continue to occupy the other building on the property, St. Ann's Residence, until January 2013.

More information about UVic's purchase of the Arbutus Road properties: <http://bit.ly/cxD1A8>

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Page 2 The Ring July 2010

Susan Mehinagic has been elected chair of the University of Victoria Board of Governors for a one-year term that started July 1. Mehinagic holds a BCom (honours) from Queens University and an LLB from UVic. A chartered accountant and a registered trust and estate practitioner, she is the managing partner of the Victoria office of Grant Thornton Chartered Accountants. She practices in the field of personal and corporate taxation with a focus on estate and succession planning and the not-for-profit sector, including structuring of not-for-profits for donation matters. Mehinagic is a director of the Queen Alexandra Foundation and chair of the University of Victoria Foundation and the Foundation for the University of Victoria. She is an order-in-council appointee to the board and served as vice-chair during the past year.

Gage holds a BA in economics from UVic and an MBA (finance) from UBC. A chartered financial analyst (CFA), Gage is a director of PSP Investments and Sky Investment Counsel and head of the management committee of JEA Pension System Solutions. He is a past chair of the board of Phillips, Hager and North Investment Management. His career at Phillips, Hager and North spanned more than 20 years, including five years as president and chief executive officer. He is a member of the Association of Investment Management and Research (AIMR) and an accredited chartered director (McMaster University). Gage is an order-in-council appointee to the board.

BY MARIA LIRONI

"I'm interested how children and



Archibald's five-year term began on July 1.


A vehicle for Indigenous learning & teaching

Under the tutelage of UVic instructor Nick Claxton, W'SANEC carver Perry LaFortune and local Indigenous knowledge keepers, students are investigating and experiencing the Straits Salish culture, language and ways of life through

Head carver Perry LaFortune has found his first university teaching

For more information on courses in the EDCI 499 series, contact Indigenous Education at 250-721-7826 or via email at ied@uvic.ca. This course is open to all UVic students.

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REGISTERED RETIREMENT INCOME FUND (RRIF)

	AGE	55	60	65	71	75	80
Minimum Payout *		\$238	\$278	\$333	\$615	\$654	\$729
Total Payout to Age 100		\$212,997	\$190,055	\$170,131	\$149,674	\$141,540	\$130,721
Accelerated Payout:							
Income over 5 years			\$1,832			\$109,907	
Income over 10 years			\$1,003			\$120,297	
Income over 15 years			\$730			\$131,278	

* Based on best current GIC of 3.80%. Returns will vary depending on investment vehicle.

LIFE ANNUITIES

	AGE	55	60	65	71	75	80
Male							
...payments cease at death		\$561	\$623	\$701	\$841	\$957	\$1,163
...10 years guaranteed		\$551	\$603	\$661	\$745	\$793	\$931
Female							
...payments cease at death		\$535	\$573	\$629	\$733	\$836	\$1,023
...10 years guaranteed		\$529	\$563	\$610	\$684	\$743	\$867
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JULY 2010

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ringers

Ned Djilali (IESVic and mechanical engineering) and **David Scott** (IESVic, retired) have been appointed fellows of the Canadian Academy of Engineering, recognized for their distinguished achievements and career-long service to the engineering profession. Djilali has made outstanding contributions to the development of fuel cells and clean energy technology, the leadership of knowledge-based organizations, and the training of young engineers and researchers. Scott is an internationally recognized authority on energy systems and the founding director of IESVic. He is the former chair of the University of Toronto’s mechanical engineering department and founder of the UofT’s Institute for Hydrogen Systems. In 2006 he received the prestigious Jules Verne award for outstanding contributions to the development of energy systems. More info: www.acad-eng-gen.ca/e/news_home_.cfm

The Malahat Review is the winner of two National Magazine Awards. Marion Quedneau won gold in the poetry category for her poem “Paradise, Later Year.” P. K. Page won silver in the poetry category for her poem “Cullen in Old Age.” The magazine has now won gold in poetry for three years in a row and silver in the same category two of those three years. This year, the National Magazine Awards Foundation handed out gold, silver and honourable mention awards in 46 categories, out of a field of 390 nominations from 84 magazines from across the country. More info: www.magazine-awards.com

The Education Heritage Museum in the Faculty of Education is one of seven organizations from around the world to receive an EMC Heritage Trust Project award from EMC Corporation. Dr. Helen Raptis (curriculum & instruction) and several of her students catalogued more than 3,000 artifacts and teaching memorabilia donated by alumni to what is believed to be the first museum of its kind in Canada. It is an essential tool for both students and educators to better understand the history of education in British Columbia. Artifacts can be viewed at www.educationheritage.ca, or borrowed by emailing edmuseum@uvic.ca.

Looking over Sir James Douglas’s shoulder

UVic digitizes colonial reports of ‘everything of interest’

BY SUSAN HENDERSON

A heritage preservation project that has created a legacy for all British Columbians completed its second phase with the June 22 launch of The Governor’s Letters at Government House by Lieutenant Governor Steven L. Point. A joint project of the UVic Libraries, the Humanities Computing and Media Centre and the Department of History, The Governor’s Letters is a searchable database of correspondence from the first governors of what would become BC to the Colonial Office in London, England—from 1846 when the colony of Vancouver Island was first conceived to the end of 1857.

When the colonies of Vancouver Island and British Columbia were



R-L: Queen Victoria (Naomi Simpson), Sir James Douglas (Morgan Cranny) and Governor Richard Blanchard (Mason Moldowan; all local actors) arrive at Government House on June 22 for the launch of The Governor’s Letters. PHOTO: UVIC PHOTO SERVICES

created, the governors were ordered to report “everything of interest” to the Colonial Office. With several gold rushes, conflicts with Aboriginal people, a near-war with the United States, ships wrecked, treaties signed, murders committed and murderers hanged, towns created and other towns destroyed, the governors were busy getting it all down in the letters, which they called “The Colonial Despatches.”

The project builds upon the work of UVic Historian Dr. Jim Hendrickson (emeritus). Its first phase was launched in 2008 as a prototype comprising despatches relevant to the 1858 Gold Rush. It’s taken a team of faculty, staff and students to transcribe from microfilm, annotate, scan the originals to transcripts, convert the transcripts into a modern data-

base, create curriculum material for students and support materials for teachers. It has been a stellar combination of vision, creativity, technical expertise and collaboration that has brought students, scholars, First Nations and the wider public such easy access to these historically significant documents.

To draw students into the past, The Governor’s Letters is a linked website (<http://www.govlet.ca>) containing four curriculum challenges designed by teacher-educators and fitting into the grade-5–10 curriculum in BC and across Canada. Students get to use the despatches, as well as other primary sources including maps, paintings, and photographs—all available in both French and English—to analyze the evidence and solve four challenges

posed as puzzles: What were the real reasons for creating the Colony of British Columbia? Were the Douglas treaties and the numbered treaties fairly negotiated? Did the Gold Rush radically change daily life in Victoria? Did Governor James Douglas deserve to be knighted?

Phase three of The Colonial Despatches, to be undertaken when resources are found, will bring the entire correspondence up to British Columbia’s confederation with Canada in 1871. You can view The Colonial Despatches from 1846–58 along with all of the early BC maps from the Colonial Office at a publically accessible website (<http://bcgenesis.uvic.ca>). Many maps have been annotated and enriched with links to place name information and date to the colonial period and before.



physicists who were instrumental in forming TRIUMF could only dream of the equipment that is being made available to them today.”

The e-linac opens up new avenues for the production of medical isotopes used for disease imaging and treatment. Expanding the range of production facilities and varieties of isotopes will help maintain Canada’s leading role in worldwide medical isotope delivery and ensure reliable sources for Canadians in the future.

ARIEL will also expand TRIUMF’s capacity for addressing a wide range of issues, including reducing fertilizer runoff, making paper mills more ef-

ficient, and developing systems to remove pollutants created by coal-fired plants around the world.

“This is a tremendous step for TRIUMF, for BC and for Canada,” said TRIUMF director Nigel Lockyer. “Building on our strengths, ARIEL and the e-linac will attract global talent and ideas to BC with intellectual, economic and social benefits for all Canadians.”

In addition to BC’s contribution, ARIEL is being supported by \$14.4 million from TRIUMF and its partners and \$17.8 million from the Canada Foundation for Innovation (announced in 2009), in support of the e-linac portion of the project.

COOL SCIENCE—MORE ON E-LINAC

- What is an isotope? It’s a variant of a basic element, as determined by the number of neutrons in its nucleus. Every chemical element has more than one isotope. Some isotopes are unstable and therefore radioactive. Most of the chemical elements that are familiar to us are simply the most stable isotopes.
- At the heart of the e-linac is a new and very efficient way of accelerating particle beams—known as superconducting radio frequency technology. Superconductors are materials that conduct electricity with no loss of energy when cooled to very low temperatures.
- The e-linac will consist of five cylinders, or cavities, placed end to end. Each cavity contains nine disc-like cells made from pure niobium, a superconducting metal often used to strengthen jet and rocket engines. When cooled, niobium cells can store enough electromagnetic energy to accelerate particles to close to the speed of light.
- The inside of the e-linac will be cooled to -271 degrees Celsius.
- The accelerating cavities are so energy-efficient that a single cavity consumes one-fifth the energy of a 100-watt lightbulb.
- Superconducting radio frequency cavities are so technologically sophisticated that only five groups in the world have the ability to make them. One of these groups is a partnership between TRIUMF and PAVAC Industries in Richmond, a world leader in the development of commercial high-energy electron beam applications.
- At full power, the e-linac will deliver up to 500 kilowatts of beam power—the same as 5,000 light bulbs concentrated into a square centimetre.
- The e-linac will attract scientists from around the world to participate in experiments and will be a training ground for students in the design, fabrication and operation of superconducting accelerator technology.

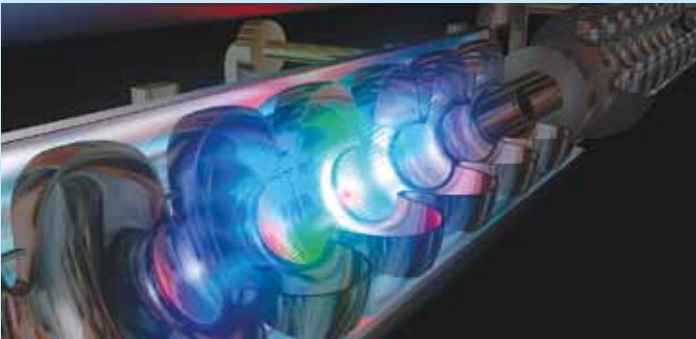


Illustration of e-linac, which will accelerate electrons through a series of superconducting cavities to energies equivalent to 5,000 light bulbs concentrated in one square centimeter. PHOTO: COURTESY OF SESY HAMBURG

Polished, practical and professional

The course calendar with our fall lineup of continuing education classes is available August 7.



See lineup at camosun.ca/ce



L-R: Instructor Sabine Lehr and students Carolyn Fast and Stacy Chappel share conversation and breakfast on campus at the Master of Arts in Community Development welcome. PHOTO: CHRISTINE MCLAREN

MASTERS IN COMMUNITY DEVELOPMENT

Building leaders for the social economy and civil society

BY CHRISTINE MCLAREN

“Communities and societies are grappling with many challenges in a rapidly changing world,” says Lynne Siemens, professor and graduate advisor in the School of Public Administration. “Addressing them requires new leadership and ways of working with individuals, communities, organizations and governments.”

The challenges ahead for communities, indeed for human society and the planet, require leveraging the best of what citizens and community leaders bring to the table. This is what UVic’s new Master of Arts in Community Development (MACD) program is intended to do, not just within British Columbia, but around the world.

The program, offered by the School of Public Administration, has just welcomed its first cohort of students, eager to develop their careers and contribute more effectively to the social economy and civil society.

What do these buzz words mean? They refer to the third sector—the non-profit, co-operative, non-governmental (NGO) people-centered economy—and address issues that impact communities such as food

security, climate change, income disparity, lack of affordable housing, and support for the most vulnerable in our community.

The part-time master’s program was developed in collaboration with practitioners from the non-profit, co-operative, and community economic development sectors. It is delivered primarily online with three 10-day residential periods based at the University of Victoria. Students are able to study where they live and work while they learn through a variety of participatory methods including experiential learning, site visits and online dialogue.

“This program will provide opportunities to expand the scope of things I can do in my workplace and allow me to learn from people who understand the challenges of working in the non-profit sector,” says Stacy Chappel, current student and executive director of the UVic Grad Students Society.

The program is designed and delivered in collaboration with practitioners and scholars from across the university, including the faculties of human and social development, business, social sciences, humanities, and education, as well as research

units such as the Office of Community-based Research and the Centre for Co-operative and Community-based Economy. It also includes collaborations and partnerships that the school and university have with organizations such as the Canadian Centre for Community Renewal, the BC–Alberta Research Alliance on the Social Economy, British Columbia Co-operative Association and the Centre for Non-profit Management.

“The courses are grounded in real experiences at the community level. Our course developers and instructors are themselves active in communities as leaders and researchers,” says Herman Bakvis, acting director of the School of Public Administration.

“I have looked at many different programs but the MACD content and multidisciplinary themes made the most sense to me, given my work experience and background,” says Carolyn Fast, executive director of the Victoria Women’s Transition House Society. “I believe the things I am learning in the program will have a positive impact on my leadership role.”

More information: <http://publicadmin.uvic.ca/macd>

UVic president receives national honour

University of Victoria President David Turpin has been appointed to the Order of Canada. The appointment was announced June 30 by Her Excellency the Right Honourable Michaëlle Jean, Governor General of Canada.

Turpin was recognized for “his contributions to education in Canada as a scholar, scientist and administrator, and for his community service in Victoria, serving with United Way of Greater Victoria and Leadership Victoria.”



Turpin. PHOTO: UVIC PHOTO SERVICES

“It’s an honour for Dr. Turpin, and the entire UVic community,” says university Board of Governors Chair Susan Mehinagic. “We can all take pride in Dr. Turpin’s achievement. On behalf of the university I want to congratulate him on this richly deserved recognition. He’s an outstanding scholar and teacher, an extraordinary leader and someone whose efforts have made a difference in the lives of Canadians and communities across the country throughout his career. His impact on UVic and higher education in Canada has been profound.”

“David Turpin is a man who cares passionately about the students, faculty and staff of the University and the Greater Victoria community,” says former board chair Ray Protti. “The Order of Canada is a fitting award for him, given his significant contributions to post-secondary education in Victoria, British Columbia and, indeed, across all of Canada.”

Turpin was appointed president and vice-chancellor of UVic in 2000. He has overseen a major period of growth, initiating a dramatic expansion of graduate education and a more than doubling of student financial assistance. Under his leadership, the university established a major emphasis on Indigenous issues and study that has resulted in a significant increase in Aboriginal student enrolment. He was instrumental in the development of the Island Medical Program and led UVic’s initiative to purchase and develop the Vancouver Island Technology Park. He also oversaw the opening of an Office for Community-based Research to bring researchers and community groups together to tackle community issues.

Research funding to UVic has quadrupled during his tenure and UVic was successful in securing more than \$100 million in funding for the VENUS and NEPTUNE

ocean observatory projects. Turpin championed the establishment of the Pacific Institute for Climate Solutions at the university, securing a \$90-million endowment—the largest single contribution to a university endowment in Canadian history.

Nationally, he serves on the executive and board of directors of the Association of Universities and Colleges of Canada and currently chairs that group’s Standing Advisory Committee on International Affairs. He has chaired the Canadian Research Knowledge Network and the Research Universities Council of British Columbia. He also serves on the board of the Business Council of British Columbia, has chaired the annual Greater Victoria United Way campaign and is responsible for the close partnership between UVic and Leadership Victoria that is developing the next generation of volunteer leadership in the region.

Before coming to UVic, Turpin was vice-principal academic at Queen’s University. A biologist, he is one of the most highly cited scholars in Canada and was elected to the Royal Society of Canada in 1998 for his contributions to science. He also received Queen’s University’s highest teaching honour, the Alumni Award for Excellence in Teaching.

Turpin is one of 74 new appointments to the Order from across Canada. Two, including the Honourable David Anderson, are from Victoria.

Order of Canada recipients at UVic include former chancellors Ron Lou-Poy and Norma Mickelson, ethnobotanist Nancy Turner, NEPTUNE project director Chris Barnes, trombonist and composer Ian McDougall, screenwriter Brian Paisley and novelist Jack Hodgins.

Grad student working to improve HIV testing

BY ANNE MACLAURIN

Daniel Grace is making a difference in the lives of people living with and vulnerable to HIV in BC. A doctoral student and sessional instructor in the department of sociology, he is researching new HIV testing methods among gay men in BC. He is presenting some of his early findings at the XVIII International AIDS Conference in Vienna this month.

“For me, issues such as HIV/AIDS are a litmus test of social inequality in and beyond Canadian society,” says Grace. “I find tremendous personal and professional satisfaction from working with people to address community health concerns.”

Grace is currently part of a multi-

disciplinary investigation funded by the Canadian Institutes of Health Research (CIHR) developing a new generation of HIV tests that will shorten the waiting period between exposure to HIV and an HIV test result. Earlier detection is important for the treatment and prevention of HIV. It is during the early (or acute) phase of HIV infection that the risk of transmission is greatest.

Grace’s work in the area of social inequality, gender and HIV/AIDS is supported by two fellowships and a SSHRC Canadian Graduate Scholarship. His fellowships come from the University Without Walls and Duke University (Global Health Fellowship) to support his work in global health policy.

“My research has to involve people in addressing the social inequalities they experience in their everyday lives,” says Grace. “It must work to inform policy, remove barriers to access for marginalized communities and critically address issues of power and ideology.”

Grace is part of the first Universities Without Walls (UWW) cohort—13 students from across Canada who meet once every two weeks in a virtual learning environment.

Beginning this month, Grace will continue his research as a Global Health Fellow through Duke University, conducting research at the World Health Organization in the Department of Gender, Women and Health.



Grace. PHOTO: CONTRIBUTED

around the ring

Engineering programs accredited to the max

The Canadian Engineering Accreditation Board—Engineers Canada (CEAB) is giving UVic’s Faculty of Engineering the maximum length of accreditation for all of its engineering programs. The CEAB has accredited programs in computer engineering, electrical engineering and mechanical engineering for six years. Software engineering has also been accredited for three years, and three more pending a satisfactory progress report in June 2012. “This is just about the best possible outcome,” says Engineering Dean Tom Tiedje. “This positive result is a vote of confidence in our academic programs and a credit to the many people who worked very hard to make this happen.” More info: www.engineerscanada.ca/e/pr_accreditation.cfm

No idling matters

UVic recently passed amendments to the Motor Pool Vehicle Policy that prohibit university vehicles from idling more than one minute while parked on campus—two minutes less than the CRD Idling Control Bylaw. The policy also encourages the use of low emission vehicles. Details: web.uvic.ca/sustainability/documents/MotorPoolpolicyJune11.pdf



A bitter pill to swallow

Taking too many medications may be putting your health at risk

Stephenson. PHOTO: ARNOLD LIM PHOTOGRAPHY

BY PEIGI MCGILLIVRAY

How many pills do you pop daily to keep healthy? With pharmacies full of vitamins and supplements, and prescription and non-prescription drugs for everything that ails you, the number can add up quickly.

And that’s a big problem, especially for seniors. If you’re taking more than a single medication or supplement, you’re at risk of having what is called an Adverse Drug Reaction, or ADR. They range from minor reactions such as a skin rash to serious events such as a heart attack or liver damage.

ADRs are frighteningly common. In the US, they are the fifth-highest cause of death after heart disease, cancer, strokes and lung disease. In the UK, more people die from ADRs than in traffic accidents.

Not surprisingly, seniors experi-

ence far more of these reactions than younger people. The older people are, the more likely they are to be prescribed medications. And because seniors often see specialists in addition to their own doctors, they can receive new prescriptions without having their current ones properly assessed.

“Adverse drug reactions often mimic illnesses common to the elderly,” says UVic medical anthropologist Peter Stephenson. For example, the combination of anti-depressants and sleeping pills can cause the symptoms of Alzheimer’s and dementia. “In other words, seniors in reasonably good health may end up being treated with more drugs for an illness they don’t have,” he says.

It’s very easy for seniors to end up taking six or more prescription medications in addition to any supplements or over-the-counter painkillers,

cold medications or antacids they use. “That’s a big problem,” says Stephenson, “because seniors taking more than six prescription drugs have an 80-per-cent chance of experiencing a serious or even fatal ADR.”

What can we do about it? The key, says Stephenson, is in understanding how seniors view medication. Recently, he and a team of researchers—including graduate students Britt Vegsund and Rosanne Beuthin—conducted a study in Parksville and Qualicum Beach, asking seniors about their attitudes toward medication.

The survey revealed that most seniors don’t know much about ADRs or how to avoid them. And despite the intended benefits of taking medication, many seniors feel that health products can limit the control they have over their own lives.

“People told us their prescriptions

often ‘got in the way’ of leading a normal life—making them too sleepy to enjoy an evening with friends, too dizzy to go for a walk, or too worried about urinary frequency to leave the house,” says Stephenson.

“But they didn’t have much technical knowledge about ADRs or how to avoid them. Many didn’t even know who to ask if they were concerned about the medications they were taking.”

The greatest need is for public education, says Stephenson. “We have to put ADRs on everyone’s radar—to spread the word about what symptoms to look for and who to talk to. We need physicians to pay more attention to the whole spectrum of drugs and supplements their patients may be taking.

“And we need to ask why so many of us are taking so many medications in the first place.”

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7th Annual Mini-U Summer Camp

BC students of Indigenous ancestry attended UVic’s seventh annual Indigenous Student Mini-University Summer Camp from July 5 to 9. Students had a chance to sample life at university. Action-packed activities included campus tours, talking circles, writing exercises, whale watching and cultural performances. Next up is UVic’s annual Indigenous Week of Welcome and Indigenous Adult Orientation this fall. For information on how UVic, situated on traditional Coast Salish territory, is a home away from home for First Nations, Métis and Inuit students, visit <http://web.uvic.ca/inaf/>. PHOTO: UVIC PHOTO SERVICES

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UVic nurtures clean energy partnerships with China

BY VALERIE SHORE

In June, a team of University of Victoria researchers travelled to China to share insights with Chinese colleagues on emerging clean energy technologies.

Vice-President Research Dr. Howard Brunt and six researchers from the Institute for Integrated Energy Systems (IESVic)—Drs. Brad Buckham, Curran Crawford, Ned Djilali, Zuomin Dong, Jay Sui and Peter Wild—participated in the first annual Canada-China Clean Energy Workshop. It was held at Peking University and attended by researchers from 10 of the top universities in China.

The aim of the workshop—which focused on specialized areas of energy and fuel cell development—was to develop connections and opportunities for collaborative research and graduate-level education. It was organized by Dong, chair of UVic’s Department of Mechanical Engineering, and Prof. Xinrong Zhang of Peking University.

In addition to attending the workshop, the UVic researchers travelled to eight Chinese universities where they toured laboratory facilities and further developed plans for research collaboration.

“The global significance of developing clean technologies makes IESVic a natural for helping UVic to strategically forge deep and lasting research and educational linkages with international universities,” says Brunt. “China is quickly emerging as a clean energy leader, making their universities natural partners for us.”



The IESVic team at the Great Wall of China. Left to right: Dong, Sui, Wild, Crawford, Buckham and Djilali.

With 15 UVic faculty members and more than 35 graduate students working with industry partners in Canada and abroad, IESVic has helped UVic become a world leader in energy and fuel research.

According to the international newsletter *Science Watch*, UVic is the fifth most influential university in the world in the field of energy and fuels, as measured by the citation impact of the top 100 scientific articles per institution published between 1998 and 2008. In North America, only Princeton, Cornell

and the US National Energy Lab performed better.

The trip to China was extremely successful, says Wild, director of IESVic. “Many opportunities for researcher-to-researcher collaboration were identified, and a framework to pursue these collaborations was developed.”

The second annual workshop will be hosted by UVic in May 2011 and will include leading energy system researchers from across Canada and China.

calendar highlights

Events free unless otherwise indicated.
For a complete list of events, visit the online calendar at www.uvic.ca/events

FRIDAY, JULY 16

at the galleries uvac.uvic.ca 250-721-6562

■ **Exhibit Northern Lights.** Until Aug. 8. A selection of Inuit sculptures from UVic’s newly acquired Hal Knight Collection, complemented by prints and drawings from the permanent collection. Legacy Art Gallery and Café, 630 Yates St. 250-381-7670

■ **Exhibit Victorian Poetry and the New Print Media: An Exhibition.** Until Aug. 31. The exhibit highlights the primary content used in ENG 551, a graduate seminar taught in the 2010 Winter Session by Dr. Alison Chapman, a Victorian poetry specialist with UVic’s English department. Mearns Centre/McPherson Library A005. 250-853-3612

■ **Lecture/Seminar** 1 p.m. *Help Create Positive Space: Become a PSN Resource Person.* One of several workshops hosted this summer by UVic’s Positive Space Network. Sedgewick C168. To register: <http://web.uvic.ca/~psn/get-involved/workshops/>

THURSDAY, JULY 22

■ **Lecture/Seminar** 3:30 p.m. *Coupling Between Atmospheric Convection and Large Scale Equatorial Waves.* George Kiladis of the National Oceanic and Atmospheric Administration. Sponsored by Pacific Institute for the Mathematical Sciences, Pacific Institute for Climate Solutions, School of Earth and Ocean Sciences and Mathematics & Statistics. Strong C112. 250-472-4271

FRIDAY, JULY 23

■ **Lecture/Seminar** 7 p.m. *From the Outside In: Designing Better Books.* Reg Beatty, visiting bookbinder and book artist from Toronto, teaches book design at York Univ. and book arts at OCAD. The lecture is sponsored by the Canadian Bookbinders and Book Artists Guild (CBBAG) and the Friends of UVic Libraries. Mearns Centre, McPherson Library 210. 250-853-3612

THURSDAY, JULY 29

■ **Lecture/Seminar** 9 a.m. *Help Create Positive Space: Become a PSN Resource Person.* One of several workshops hosted this summer by UVic’s Positive Space Network. Sedgewick C168. To register: <http://web.uvic.ca/~psn/get-involved/workshops/>

THURSDAY, JULY 15

■ **Lecture/Seminar** 7 p.m. *Models of the Atmosphere: What Are They Good For?* George Kiladis of the National Oceanic & Atmospheric Administration. Sponsored by Pacific Institute for the Mathematical Sciences, Pacific Institute for Climate Change, School of Earth and Ocean Sciences and Mathematics & Statistics. Strong C118. 250-472-4271



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Good work deserves to be highlighted.

Summer is a good time to start thinking about nominating your fellow employees for the **2010 President’s Distinguished Service Awards**, which pay tribute to the effort and achievements of the University of Victoria’s 4,000-plus staff members.

Nomination forms will soon be available on the PDSA website, which also contains information about the program itself and previous years’ winners.

www.web.uvic.ca/hr/pdsa



University
of Victoria

around the ring

Campus construction update

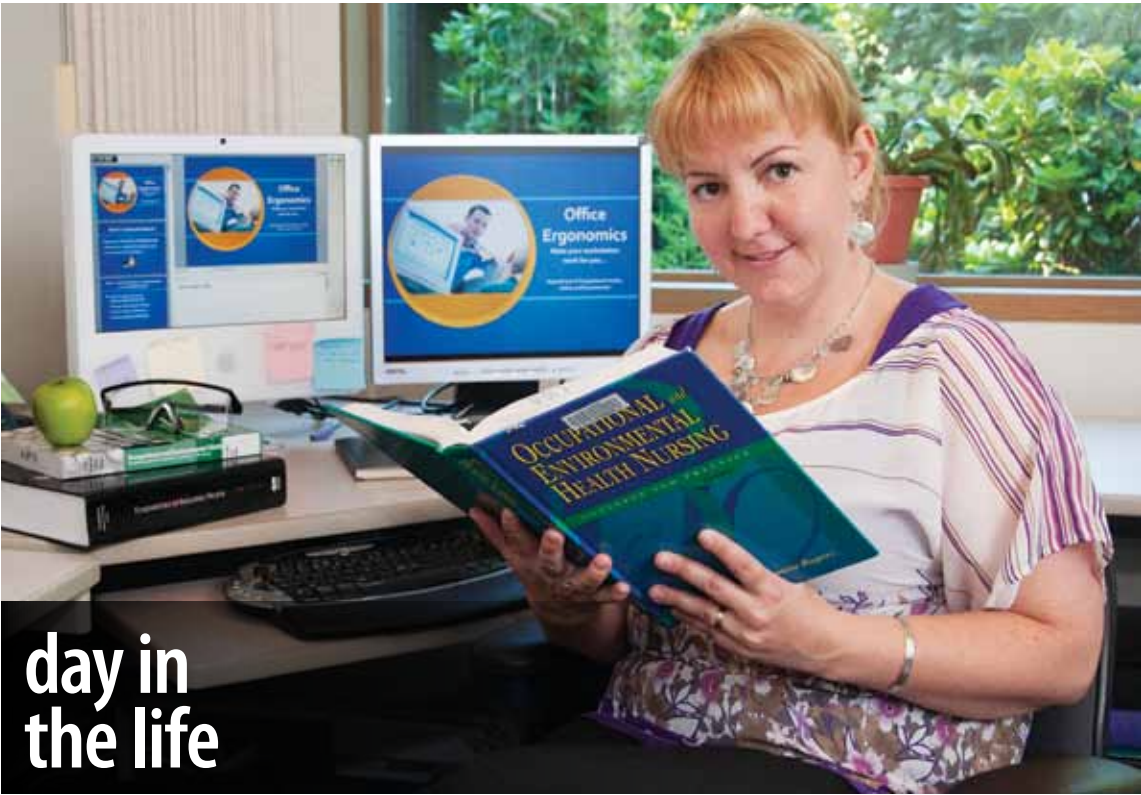
Renovations to six campus buildings are under way as part of the Canada-British Columbia Knowledge Infrastructure Program. The University Centre parkade and Maltwood Gallery are closed for the summer to facilitate construction. The Undergraduate Admissions and Records front counter has been temporarily relocated to the lobby coat check area. Other current projects include the new South Tower 106-bed student residence building, which is on target for completion in January 2011. Work will also begin this month on a new grass playing field behind the existing Wallace Rugby Field, north of MacKenzie Avenue. Scheduled for final completion in January 2011, it will be a recreational sand-based sports field used for Vikes Athletics and Recreation student activities.

Libraries reduce carbon footprint

McPherson Library has been using less energy since University Systems staff programmed the public computers to automatically shut down after the library closes and boot up again prior to opening. This and other energy-saving efforts have resulted in an average monthly savings of 14,855 kilowatt hours, the equivalent of nearly 15 homes worth of electricity. And when UVic's Diana M. Priestly Law Library was renovated in 2009, the environmental impact of the computer lab was reduced through the choice of equipment and the implementation of new operating procedures, despite increasing the number of computers from 25 to 33. All lab computers and library quick-reference workstations now automatically shut down after the library closes. The changes mean that the lab's average electricity use has dropped by over 64 per cent, with a projected cost saving of over \$1,000 per year.

Sort it out! Help UVic recycle surplus assets

Purchasing Services and University Systems are teaming up with Facilities Management to provide a sustainable process for handling, reusing and recycling surplus assets on campus. These new procedures will help meet an important goal of the Sustainability Action Plan: Campus Operations 2009–2014 to divert 75 per cent of campus waste from the landfill by 2012. Guidelines on the new procedures for surplus assets—including furniture, computers, equipment and supplies: <http://web.uvic.ca/purc/asset.php>



day in the life

BY MELANIE TROMP HOOVER

A day in the life of occupational health nurse Tine Lathouwers is usually full of surprises.

A quiet Tuesday is thrown for a loop when a building evacuation on campus requires support or Lathouwers returns from leading a manual handling workshop to find two enquiries about a new research project involving infectious materials waiting in her voice mail.

"I like the surprises," laughs Lathouwers, a registered nurse and mother of two daughters.

Working with UVic's Department of Occupational Health, Safety and Environment since moving from Belgium in 2003, Lathouwers specializes in the areas of ergonomics, health promotion and medical surveillance.

"My job is really to act as a consultant, providing advice on how to respond to emergencies, respect legislation and work safely according to WorkSafeBC," explains Lathouwers. "My office supports the strategic vision of the university and works to provide a higher level of service to areas of research that have been expanding in numbers of projects and complexity."

This means becoming an expert on everything from wilderness first

aid and sun safety to performing an ergonomic risk assessment of a multi-user workstation. Lathouwers is at different times a policy writer, researcher, educator, public speaker, event coordinator, medical mediator and safety advocate.

Researchers and graduate students working in lab environments often have medical monitoring needs specific to their research, and responding to their questions fills out Lathouwers' September schedule quickly. She also runs monthly office ergonomics and manual handling courses, is a member of UVic's Mental Health Task Force and makes time to stay on top of new and changing legislation when it comes to how UVic does its daily business safely.

"It comes down to empowerment and internal responsibility," says Lathouwers. "My goal is to empower people across campus to deal with issues internally when possible and improve the lines of communication within the departments. It's about having the tools to create change."

Despite the supportive nature of Lathouwers' work, occupational health consultation can sometimes be a tough gig when it comes to public support.

"It seems that often something needs to happen—a mistake or accident—before people see the real value in preventative behavior," explains Lathouwers. "I want to help change that culture."

"When somebody is initially reluctant to accept change but goes through the process with us and ends up seeing the benefits of our work, that, for me, is a home run," she continues.

Lathouwers is just as ambitious when it comes to her private life. She is the vice-president of the Occupational Health Nursing Specialty of British Columbia and is hoping to begin her master's degree in public administration at UVic in the near future. In October, Lathouwers will run her first half-marathon alongside her husband in the Royal Victoria Marathon. She also spends a lot of time driving between soccer fields, piano lessons and hiking trails with her family.

When it comes to her future at UVic, Lathouwers hopes to expand her role to further support research safety on campus.

"I really like my job and co-workers. I really don't think there's been a day where I've come into work and haven't wanted to be here."

Lathouwers. PHOTO: UVIC PHOTO SERVICES

Copyright legislation of concern to Canadian universities

An act to amend Canada's copyright legislation, Bill-32, received first reading in the House of Commons on June 2 and public discussion and debate is expected to extend well into the fall when Parliament returns from recess.

"Bill C-32 includes several recommendations proposed by the university community," says UVic Copyright Officer Inba Kehoe (libraries). "Specifically, it expands fair dealing provisions from private research and study, criticism and review to include education, satire and parody.

These and other exceptions will allow, for example, educators and students to use internet material and viewing of films for teaching and learning purposes, as well as allow libraries to provide electronic copies to an interlibrary loan requester. However, provisions prohibiting the circumvention of Technological Protection Measure (TPMs or "digital locks") are especially contentious for users of digital media."

Kehoe has created a UVic copyright blog with links to the full text

of the legislation, media coverage and responses to the bill by such interested organizations as the Canadian Association of University Teachers (CAUT), the Association of Universities and Colleges of Canada (AUCC) and the Canadian Federation of Students (CFS).

Kehoe will be reviewing Bill C-32 against the current legislation to assess the impact on libraries and for teaching and learning at the university.

UVic copyright blog: <http://blogs.library.uvic.ca/index.php/copyright/>

around the ring

Space still available in July PSN workshops

What does it mean to create a safer and inclusive space for people of all genders and sexual identities? UVic's Positive Space Network (PSN) is hosting workshops this summer for members of the campus community who would like to learn more about issues affecting the lesbian, gay, bisexual, transgender, two-spirit, intersex, asexual, queer and questioning communities. The three-hour discussion-based workshops are free and open to all members of the UVic community. No prior knowledge is necessary and people of any gender identity or sexual orientation are welcome to attend. Info/registration: web.uvic.ca/~psn/get-involved/workshops/

UVic gets new eye in the sky

The telescope installed this month on the roof of UVic's new science building is the largest telescope located on a university campus in Canada. Telescopes are rated by the size of their mirrors, which determine how much light they can gather. This one boasts a 0.8-metre mirror—making it the country's fifth largest overall—and is housed in a 6.25-metre observatory dome capable of hosting 20 students at a time. Built by DFM Engineering in Colorado, the \$700,000 telescope will be used for teaching undergraduate students and for research. "We'll be using it to look for asteroids passing close to Earth and for planets crossing in front of stars," says Russell Robb, senior lab instructor and senior scientific assistant in UVic's Department of Physics and Astronomy. The telescope will also be available to the public on Wednesday nights, starting in the fall. UVic astronomers are world-renowned for their research the formation of galaxies, stellar structure and evolution, and theoretical and observational cosmology.



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