



University
of Victoria

SPEED READING

FINE ARTS

Canada's first master's program in string quartet performance

The School of Music is proud to announce the creation of a new master's in string quartet performance. This is the first graduate program of its kind in Canada, allowing previously formed quartets the opportunity to study with the Lafayette String Quartet in a two-year program. To celebrate, the LSQ is hosting a fundraising brunch at the Inn at Laurel Point on October 6. For more information, visit bit.ly/LSQ-MFA

AWARD NOMINATIONS

Celebrate great teaching

Nominations for the prestigious Harry Hickman Alumni Award for Excellence in Teaching (faculty) and the Gilian Sherwin Alumni Award for Excellence in Teaching (instructors) are being accepted through Oct. 18. Nomination forms are available at alumni.uvic.ca. The awards will be presented during Alumni Week 2014, Feb. 2–8.

BARGAINING UPDATE

Faculty arbitration concludes

An arbitration hearing on faculty and librarian salaries and benefits at UVic wrapped up Sept. 27. Over four days, arbitrator Colin Taylor heard evidence from both the university and the faculty association. Taylor now has up to 30 working days to issue a binding award for the period July 1, 2012 to June 30, 2014. Negotiations between the two parties began in the spring of 2012. Under the provincial government's "cooperative gains mandate," salary settlements are limited to two per cent annually, to be funded by savings from university operations. For updates and more details, see uvic.ca/info/bargaining/fac-assn



HOSPITALITY AND COMMUNITY AT A GREEK FIELD SCHOOL

P. 4

THE RING



L–R: Recent Gustavson School of Business grads Rebecca Kosh and Kim Cope of Early Entrepreneurs. PHOTO: UVIC PHOTO SERVICES

OCTOBER 2013

The University of Victoria's
community newspaper

ring.uvic.ca

100+

UVIC STUDENTS
WHO HAVE
ALREADY
CONSULTED WITH
THE INNOVATION
CENTRE FOR
ENTREPRENEURS

KNOWLEDGE MOBILIZATION

ICE expansion opens doors for innovation across campus

BY MOIRA DANN

If you have a great idea for a business, a not-for-profit venture or social enterprise but you don't know where to go or what to do next, the Innovation Centre for Entrepreneurs (ICE) can now be your first stop.

An initiative of the Peter B. Gustavson School of Business, ICE has opened its doors to the entire UVic community. ICE already has about a dozen clients with ideas at various stages in the pipeline, and has resources and support to help many more

campus innovators realize their vision.

More than 100 UVic students—the centre's initial client base—have already benefited from ICE.

Early Entrepreneurs, a social enterprise that provides elementary schools with a program to teach students about entrepreneurship and global awareness, is just one example.

"After successfully testing the model of taking a small amount of seed money into classrooms and teaching students how to grow it into enough money to build

schools in developing countries, we knew we had the core of a new business," says Early Entrepreneurs co-founder Kim Cope. Working with business partner Rebecca Koch, Cope explains "we're refining that with the help of ICE."

Software developer LimeSpot is another client of ICE that recently launched a business. Their software can transform social media sites into venues for social commerce.

SEE ICE P.5

2013 VANIER SCHOLARSHIPS

Five Vaniers for UVic PhD students, including a top award

BY TARA SHARPE

The 2013 Vanier Canada Graduate Scholarships were announced Sept. 23 by the federal government, with Tim Personn (English) ranked first among social sciences and humanities recipients.

Aaron Mills (law), Chong-Su Kim (political science), Justin Karr (psychology) and Leigh Wicki-Stordeur (neuroscience/medical sciences) joined Personn in being recognized nationally for their leadership in community outreach, education and research.

The three granting agencies—the Canadian Institutes of Health Research, Natural Sciences and Engineering Research Council, and Social Sciences and Humanities Research Council—awarded a total of 165 scholarships (with 55 recipients in each of the three streams of the national competition).

Personn focuses his research on a group of

writers, including David Foster Wallace and Jonathan Franzen, who carve out a space for today's novel in a post-9/11 world by highlighting sincerity and empathy.

"Postmodern cynicism is often very removed from its subject matter. Writers like Franzen and Foster Wallace defined the task of literature as overcoming this pose, and they hoped to find a cure for loneliness in the return to one of the novel's traditional strengths: empathy, which is the capacity to connect, to imagine other minds," explains Personn.

"These writers are leaders in the sense of imagining different possibilities for literature and life. They want to lead literature into a new and also very old understanding of itself, as a sincere dialogue about the big questions, and their reflections touch upon other forms of communication, even including social media."

"This latest news about Tim caps off a string of successes for the department's graduate program

which, to judge from our recent successes, puts us in the elite league," says Robert Miles, chair of the English department. "This has not happened by accident. We have been fortunate to have had a succession of dedicated graduate advisors—most recently, Stephen Ross, Nicole Shukin, Chris Douglas and Gary Kuchar—who have worked tirelessly to improve the quality of our programs, and with them, the success of our students."

Leigh Wicki-Stordeur is researching a process called post-natal neurogenesis. She is thankful for the accolade, adding that "being a Vanier recipient helps illustrate a quality of excellence that is looked for in many of the potential career paths stemming from my neuroscience graduate work."

Karr is studying how the brain can heal and change. He says, "I feel the Vanier scholarship represents a call-to-action; and, as a recipient, I have the honour to collaborate with my mentors and peers and contribute to the strong research tradition already established at UVic."

SEE VANIERS P.2



Personn. PHOTO: UVIC PHOTO SERVICES

around the ring

New awards for advocacy and activism

Nominations are now open for two new awards celebrating UVic community members who advance the rights of others. The inaugural Provost's Advocacy and Activism Awards in Equity and Diversity recognize the achievements of individuals or groups in the university community who demonstrate dedication to the advancement of social equity. "The awards are intended to acknowledge individuals who, as champions for others, work to address systemic or institutionalized barriers through strong leadership, community-based projects or collective action," says Grace Wong Sneddon, director, academic leadership and adviser to the provost on equity and diversity. "These are people who live their social justice goals through outreach, education and community building, with a positive impact on the university community." The awards are open to current students, faculty, staff and alumni. Nominations close Nov. 1. The awards will be presented on Jan. 29, 2014 at the Provost's Diversity Research Forum. See VPAC website for more info: bit.ly/uvic-advocacy



RESEARCH

The biggest button blanket in the world

PEIGI MCGILLIVRAY

A button blanket is important to Indigenous peoples of the Pacific North West for many reasons. Like a totem pole, it tells stories of people, places and events; it represents power and prestige; demonstrates extraordinary skill and sophisticated artistry, and creates a unique way of learning and knowing.

That's why Dr. Carolyn Butler Palmer, associate professor of History in Art at the University of Victoria, in collaboration with Tahltan Nation artist, curator, and consultant Peter Morin, decided to create a project to make the biggest button blanket in the world.

"We were looking for a project where students could learn in both western and Indigenous ways, one where there are many teachers and

one that would have a big impact," says Butler Palmer, who is also UVic's Williams Legacy Chair in Modern and Contemporary Arts of the Pacific Northwest.

The Big Button Blanket Project springs from Butler Palmer's interest in Pacific Northwest arts from 1860 to the present, and Morin's artistic and curatorial work on issues of Indigenous identity. "We know that textile artists like those working on button blankets have often been unrecognized," says Butler Palmer. "So we wanted to create a button blanket that couldn't be missed."

The project is underway this fall, as students in Butler Palmer's Special Topics in History in Art class learn about the history of buttons, blankets, and button blankets while

honing their sewing and design skills on the monumental blanket.

"The work takes place in the Ceremonial Hall of UVic's First Peoples House," says Morin. "It is an inspirational space for students, and we are fortunate to have elders and expert button blanket makers who are able to come to share their stories and knowledge."

Morin says that it is a big project for several reasons: the blanket itself is huge—it will be eight metres by six metres when it is complete—the stories elders have to share are important, and the impact the work has on students and on the community is also significant.

Butler Palmer and Morin emphasize that the project is one that everyone in the community can be involved with. "We will need more

than 4,000 buttons to decorate this Big Blanket," says Butler Palmer. "And we're hoping people will donate them during our Big Blanket Button Drive planned for this fall."

In January, Morin, who is also a performance artist, will celebrate the completion of the Big Button Blanket in a dance with Rebecca Belmore of Dance Victoria, recent winner of the Governor General's Award in Visual Arts. The Big Blanket will then be displayed in UVic's Legacy Art Gallery.

"This is a real community effort," says Morin. "We couldn't do it without support from partners in the Tahltan Nation and in the community of Victoria. This Big Blanket will have a very big story to tell."

Full info, including button drop-off locations: <http://bit.ly/1f0w8fR>

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Conversations with Cassels continue

On his first day in office in July, new University of Victoria President Jamie Cassels told faculty, staff and students that he wanted to consult widely with them about their hopes and aspirations for UVic in order to continue building a sense of identity and direction for the university, and to hear their thoughts about how to develop some of the ideas in the university's strategic plan.

These "campus conversations" started in earnest in September with Cassels holding discussions with a dozen faculties and administrative areas over the month. He expects to hold 40-50 conversations before the term ends in December.

Cassels also met in September with graduate students in a gathering arranged by the Graduate Students' Society. Another session coordinated by the UVic Students' Society for undergraduate students is scheduled for Oct. 28 at 3 p.m. at a yet-to-be-announced location.

For more information about the campus conversations process and some of the key questions Cassels is asking see www.uvic.ca/president/conversations. Those unable to attend the conversation in their area or who have additional thoughts after the meeting can access an online feedback form through www.uvic.ca/president/conversations/feedback.php

Vaniers CONTINUED FROM P. 1

Kim is investigating the role of social movements and democracy in South Korea and Taiwan: "I, as a student beginning in the mid-forties my study with my non-mother tongue, had to constantly fight against myself and my suspicion about whether I am doing well. The award means for me that there is no lateness in and closure of learning and there are various ways in academic life to cross the linguistic border."

Mills, who is articulating a theory of Anishinaabe Law and exploring how Canadian and Indigenous legal traditions can

exist together, says he is "focusing on the legal order of my own people, the Anishinaabeg, but my model can be adapted to other communities. The revitalization of Indigenous legal orders is a necessary step if ever Indigenous and non-Indigenous peoples in Canada are to move beyond a colonial relation to one of treaty partnership."

The scholarship, worth \$50,000 per year for three years, is available to Canadian and international PhD students studying at Canadian universities.

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Accelerated Payout:							
Income over 5 years.....		\$1,792				\$107,510	
Income over 10 years.....		\$961				\$115,280	
Income over 15 years.....		\$686				\$123,397	

* Based on best current GIC of 2.90%. Returns will vary depending on investment vehicle. Monthly income based on \$100,000

LIFE ANNUITIES

	AGE	55	60	65	71	75	80
Male							
...payments cease at death		\$512	\$557	\$628	\$759	\$867	\$1,063
...10 years guaranteed		\$502	\$540	\$597	\$687	\$752	\$864
Female							
...payments cease at death		\$460	\$507	\$568	\$670	\$765	\$938
...10 years guaranteed		\$457	\$501	\$556	\$638	\$703	\$813
Joint Life: 10 yrs guaranteed		\$428	\$461	\$507	\$577	\$638	\$740

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Jackson 2Bears moves from alumni to Audain

BY JOHN THRELFALL

When it comes to the Department of Visual Arts, Jackson 2Bears is not the typical Audain Professor of Contemporary Arts of the Pacific Northwest. Although he has yet to achieve the international reputation of previous Audain professors Rebecca Belmore, Michael Nicol Yahgulanaas and Nicholas Galanin, he is the first UVic alum to be appointed to the position.

A Kanien'kehaka (Mohawk) artist, 2Bears works with new media, interactive installations and multimedia performances to reflect on issues of racism, colonialism, discrimination, Indigenous subjectivity and Native stereotypes. A frequent face around campus, he has previously taught for both Visual Arts and the Pacific Centre for Technology and Culture. "I've been at UVic a long time, both as a Masters and a PhD student, so part of my role is to bring some of those other areas and people together with Fine Arts," he says. "My personal project is to start plugging the Audain position a bit more into the rest of the university."

2Bears describes his current practice as focusing on "the aesthetics of Indigenous identity in contemporary times. I envision my practice as a form of cultural critique in which I explore alternative ways to engage with the question of Native spirituality in our modern, technological society." Yet he sees no clash between traditional First Nations art and the more contemporary practice the Audain position was

created to highlight. "It's a strange misconception of the traditionalists that Indigenous culture happened a long time ago—that we're always having to go back to the past," he says, paraphrasing noted American Indian author Vine Deloria Jr. "But a crucial part of our tradition is change, transformation, evolution."

2Bears also embraces change in his teaching. "One thing I learned from Taiaiake Alfred in the Indigenous Governance program was about encouraging non-Indigenous students to approach things from their own perspectives," he says. "We all participate in this landscape called Canada, so it's not about imagining themselves as an Indigenous person, but approaching things from their own cultural backgrounds."

When asked what he'll bring to his Audain seminars—created in 2009 as part of a \$2-million gift from celebrated BC art philanthropist Michael Audain and the Audain Foundation—2Bears doesn't hesitate. "The course is meant to be quite organic and geared toward whoever is teaching it and their specialty," he says. "For me, that means an interest in contemporary First Nations art and an interest in larger social and political issues."

It will also mean exposing his students to his own performance art. Primarily inspired by electronic music and DJ/VJ culture, 2Bears uses remix as a tool for cultural critique. "A lot of what I've been doing over the past few years is live cinema—



Jackson 2Bears. CREDIT: JOHN THRELFALL

scratch video, I call it," he explains. "Picture a DJ with turntables, but instead of just scratching music you can play video: spinning the turntables backwards and forward, using the mixer not just for volume but also for brightness and cross-fading. What I want to do as an artist-in-residence is build some sort of video synthesizer, where I take an analogue keyboard and make it not only produce sound but video as well. I'm also working on some pow-wow drums that will project video images when you play them."

Beyond instilling a greater appreciation for contemporary Indigenous art, 2Bears sees the artist-in-residence aspect as a key aspect of the Audain position. "It's good for the students to see their professors struggling with the same decision-making processes, how to actually produce art. It's too easy for students to see professors as really successful artists where they work hidden away in their studios—but it's really fantastic to be involved in a more community-like aspect. It changes that whole professor-student relationship."

Sociologist recognized by two scholarly societies

Six UVic researchers named to Royal Society of Canada and the Canadian Academy of Health Science. Cecilia Benoit joins both.

BY BRAD BUIE

Six UVic faculty members have swelled the ranks of two of Canada's foremost scholarly academies, the Royal Society of Canada (RSC) and the Canadian Academy of Health Sciences (CAHS). The Royal Society—the senior body of distinguished scholars, artists and scientists in Canada—has named professors Cecilia Benoit, Ned Djilali and Judy Fudge to join their body as Fellows. CAHS, which provides assessment and advice on health issues relevant to Canadians, has named professors Benoit, Neena Chappell, Scott Hofer and Christoph Borchers as Fellows.

The election of Benoit, Chappell, Hofer and Borchers more than doubles the university's representation at CAHS, where they join UVic's Timothy Stockwell, Jeff Reading and Irving Rootman. "These four new Fellows are acknowledged leaders in their fields," says Howard Brunt, Vice-President Research. "Their presence in this academy will help ensure health issues relevant to Canadians are addressed from a collective, multi-disciplinary voice."

"I am deeply honoured to be elected to these national bodies," says Benoit, who was elected to both. "I have learned they often work hand-in-hand to provide evidence-based reports on urgent health and social issues."

Understanding marginalized populations

A sociologist and a scientist with UVic's Centre for Addictions Research of BC, Benoit has moved Canada a great distance towards understanding how the law, gender inequality and stigmatization affect the health and safety of vulnerable populations,

including Aboriginal women and families, adults in the sex industry, substance-using pregnant women and street-involved youth. She wrote the first scholarly book on midwifery, the age-old female-dominated occupation that had become outlawed in much of the country. This and subsequent work laid the foundation for provincial legislation to legalize midwifery and for training programs to revive the practice.

Benoit's insights have not been limited to her home or discipline. She has established close relationships with colleagues in Europe and Asia, agency partners, and the communities for which she displays such tremendous compassion. As such, she has garnered considerable recognition both inside and outside of the academy, including the 2006 Royal Society Award in Gender Studies and a 2010 BC Community Achievement Award.

Engineering a greener future

Djilali was elected to the Royal Society under its Division of Applied Sciences and Engineering. He came to UVic's Department of Mechanical Engineering in 1991 from the aerospace division of Bombardier and has since served as the Associate Dean of Engineering, as Executive Director of UVic's Institute for Integrated Energy Systems, and as President of the Computational Fluid Dynamics Society of Canada. Djilali's research concerns span electrochemical energy conversion, water purification, integration of renewable energy in smart grids and semi-conductor crystal growth—all areas that can fundamentally change the world for the better.

The RSC particularly acknowl-



L-R: Chappell, Hofer and Benoit.

edged Djilali's range of scholarly work, citing in particular his pioneering research on fuel cells. He combines theory, experiment, advanced diagnostics and simulations—including computational fluid dynamics—to answer questions about transport phenomena in fuel cells. His goal is to improve the architecture of fuel cells, increasing their performance and durability while decreasing their cost. Ultimately, these solutions will lead to a reduction in greenhouse gas emissions and pollutants. The society noted that Djilali, through his research, had already made "major contributions towards a cleaner, more sustainable energy future."

A leading social justice advocate

Fudge is an eminent legal scholar who has contributed to labour law in Canada, the European Union and at the international level. Though she recently relocated to the University of Kent in the UK, she maintains the position of adjunct professor at UVic

and continues to supervise graduate students. Her research interests—including labour regulation, feminist legal theory, constitutionalizing labour law, migrant work, and law and globalization—are marked by a passion for social justice. Her achievements were duly recognized when she received the SSHRC 2009 Bora Laskin National Fellowship in Human Rights.

SEE ROYAL SOCIETY P.4

around the ring

Making connections to support mental health

Connecting with others is a proven tool that assists people to feel more hopeful and strong. Lack of social support and feelings of loneliness make us more vulnerable to mental health or substance use problems. A roundtable discussion on Oct. 9 (11:30 a.m.–1 p.m. in ECS 660) will assist participants to reflect on their personal and social connections, and learn from service providers, resource people and those living with mental illness. Supporting your mental health: Making connections on campus is the first of a series of round-table conversations at UVic aimed at reducing the stigma of mental health. For more information visit web.uvic.ca/eqhr/mhtf.htm or call 250-721-8786. The series is sponsored by the Mental Health Task Force. Admission is free and everyone is welcome; pre-registration is not required.

Green ideas for campus

Do you have an energy or water-saving idea that could result in utility cost savings for the university? Through the Revolving Sustainability Fund initiative, you can see your idea put into practice and contribute to more sustainable operational practices at UVic. Eligible projects are those that reduce the use of electricity, natural gas, propane or water on campus. Launched in 2011, the Revolving Sustainability Fund provides \$250,000 in capital to fund campus conservation projects that provide immediate financial returns on investment. If you have a project idea to be considered for the next round of funding, please contact Rita Fromholt in the Office of Campus Planning and Sustainability by Oct. 18, at 250-853-3758 or action@uvic.ca. Details about previously funded projects appear at bit.ly/greenfund-uvic.

Celebrate extraordinary UVic staff

Do you have a colleague who makes the university an outstanding place to work and learn? Nominations are now open for the 2013 President's Distinguished Service Awards. Any UVic employee or recognized student organization can nominate an individual staff or faculty member, group or team for the two individual awards and Team Award for Innovation. The nomination deadline is Nov. 15, 2013 and awards will be presented at a reception in February 2014. More information and nomination forms are available at web.uvic.ca/hr/pdsa.

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International award for law PhD

Recent UVic law graduate **Ania Zbyszewska** has been awarded the 2013 prize for best PhD thesis by the University Association for Contemporary European Studies (UACES). Based in the United Kingdom, the UACES is the largest European Studies professional association in the world. They found Zbyszewska's work, "Gender Equality in the Wider European Union and in Poland," to be original and timely, unanimously agreeing on her win. Zbyszewska completed her thesis research in Poland, exploring whether the European Union's Working Time Directive had advanced gender equality in the country. She's currently a research fellow at the University of Warwick.

Premier's Scholarships

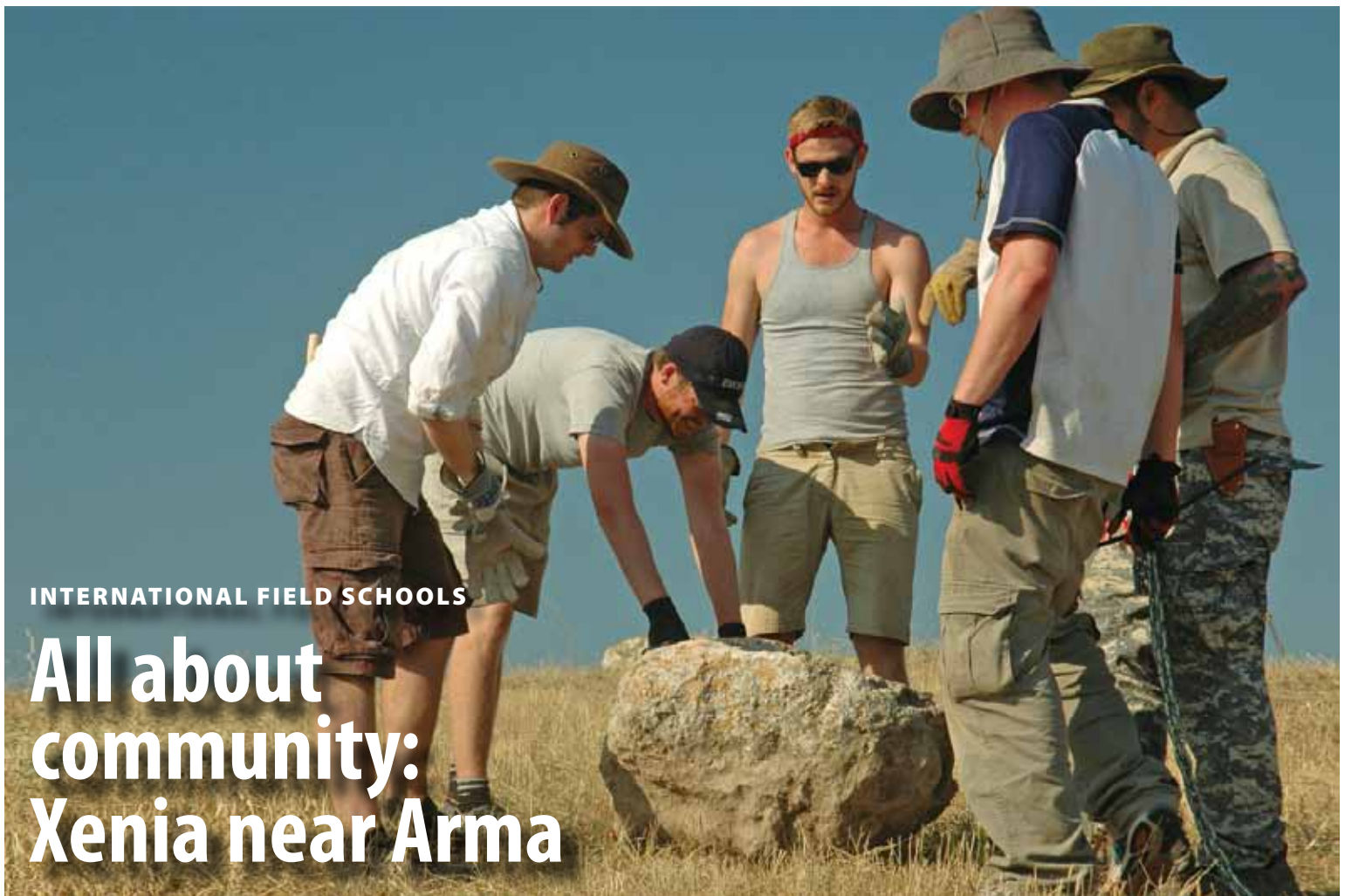
Three UVic students are among 20 BC recipients of premier's scholarships for study abroad. **Carolyn Tsao** (economics/mathematics), **Ryan Abbott** (Hispanic studies), and **Victoria More** (law) will receive between \$6,000 and \$10,000 each in Premier's International Scholarships from the Irving K. Barber British Columbia Scholarship Society to support their enrolment in overseas programs. Tsao is heading to study in China, Abbott to Ecuador and More to Singapore. The society has awarded more than \$1.6 million in international scholarships since 2008, when the program was established by the province with a \$15-million endowment. The scholarships are awarded once each year. To learn more about how to apply for a scholarship, visit: www.bcscholarship.ca/web/international

UVic recognized in student climate challenge

UVic received an honourable mention at the Community Energy Association's 2013 Climate and Energy Action Awards for its part in *Ready, Set, Solve*, the CRD student climate challenge. The Office of Campus Planning and Sustainability and the Waste Reduction Unit worked with UVic student teams in the annual contest, which pits undergraduates from UVic, Royal Roads and Camosun College against each other to solve climate-related challenges. The Climate and Energy Action Awards are organized annually by the Community Energy Association in partnership with the Province of BC, Union of BC Municipalities, BC Hydro and FortisBC.

Top-three finish in global MBA contest

A team of MBA students representing day and evening programs at UVic's Sardul S. Gill Graduate School of Business was one of the top three in the world, competing in Switzerland this summer for the big prize in the Nespresso AAA Sustainable Quality MBA Challenge 2013. The UVic/Gill team made it into the top three with a creative proposal to support the long-term economic, social and environmental sustainability of coffee farming in Colombia. The winner was Rollins College of Florida.



INTERNATIONAL FIELD SCHOOLS

All about community: Xenia near Arma

EBAP members—including alumnus Joe Bellows (second from right) and grad student Aidan Kirkpatrick (far left) from UVic—at the site in June 2013. PHOTO: B. BURKE

BY TARA SHARPE

The people of ancient Eleon left many traces, but very few coins are being unearthed at an active archaeological site near the village of Arma in central Greece. The earliest inhabitants lived in pre-monetary times.

And money mattered far less than hospitality when 27 people arrived this summer. Dr. Brendan Burke, chair of UVic's Department of Greek and Roman Studies and lead investigator for the Eastern Boeotia Archaeological Project (EBAP), says generosity isn't on a budget in Arma nor in the small coastal town of Dilesi where they lived for two months. "Even though the economic crisis is still fairly bad in Greece, we were treated with great Greek hospitality, or *xenia* as it is called there."

The five-year project began its second full season of digging this summer. A Greek-Canadian collaboration, the EBAP group included undergraduates, graduate students and staff members, nearly half of them from UVic and

the rest from Wellesley College, other universities, and the Ninth Ephorate of Prehistoric and Classical Antiquities at Thebes.

The site contains architecture, sculpture, and ceramic remains dating back to the Late Bronze Age, but the most prominent feature is a large wall of roughly cut, custom-sized rocks. This structure, the last remaining hint of an impressive acropolis, mimics earlier Mycenaean construction; the architects of Eleon were intentionally elaborating on their own recent past. Now students sift through the same soil.

Fourth-year undergraduate student Max MacDonald (Greek and Roman Studies) describes the area: "One day, we held an open house for the villagers and were totally blown away when nearly 200 people from all over eastern Boeotia came to see our work. It was an excellent way to end the season, and it really reminded me that archaeology isn't just about the ancient past, it can give an entire region a feeling of community."

"I think everyone in my family was surprised when I said how much I love working with a big pickaxe and pushing around a wheelbarrow," says Samantha Bartlett (Greek and Roman Studies, Anthropology), also in her fourth year at UVic. "A major component to digging is, of course, the physical labour. We dig tons of dirt (literally) every day. If the wheelbarrow is full and it's a scorcher of a day, there will be an unspoken rotation of taking turns so no one person gets too tired."

"As an Anthropology and Greek and Roman Studies major, my worlds very perfectly collided on this project. And the people who work on EBAP, experts in their field, are so willing to teach and explain. For instance, our conservator was kept extremely busy all season but she [still found time to teach] how to gently clean the face of a twenty-five hundred year-old figurine."

Burke was particularly struck by how EBAP, "halfway around the world" from Ring Road is helping to nurture an engagement with community. "Greece is part of our

community," he explains. "The site shows ancient evidence of continuity, of life following great economic disaster." Millennia later, the UVic group circled the globe to get there while ties between people—ancient and modern, North American and Mediterranean—came full circle in one site.

There are only two other active Canadian excavations in Greece at present. EBAP is funded through private donations and grants including from the Social Sciences and Humanities Research Council. The excavation will continue in 2014.

Contact bburke@uvic.ca for more info.

Student blog: ebapexcavation.blogspot.ca

Canadian Institute in Greece (more on archaeological site): <http://bit.ly/SBb2sY>

In related news: a UVic PhD program in Greek and Roman Studies was recently approved; the department is now accepting applications for entry in September 2014.

Cassels makes case to BC government

As the BC government considers priorities for the next provincial budget, University of Victoria President Jamie Cassels has made a strong case for the important value that BC research universities bring to BC and the public interest in a thriving post secondary system.

Appearing before the Select Standing Committee on Finance and Government Services with a joint presentation, Cassels and Royal Roads University President Allan Cahoon said their institutions have been fiscally prudent in responding to current financial realities, but further reductions in the government's operating grant will adversely affect the quality of education.

They emphasized that universities and colleges are essential to BC's success by educating students in a variety of programs and disciplines, so they can be successful in today's society and labour market—and in tomorrow's. As well, the unique role of research and experiential learning at universi-

ties was noted for helping produce innovative graduates who can apply new technologies and critical thinking to a fast-changing global environment.

Two representatives from the University of Victoria Students' Society, Director of External Relations Rachel Barr and Director of Student Affairs Nadia Hampton, also appeared before the committee Sept. 26. Presentations were limited to 10 minutes.

The hearings are part of the province-wide public consultations held each fall on the next provincial budget. British Columbians can participate by presenting at a public hearing, making a written submission, or by completing an on-line survey. The committee is required to report on the results of the consultations by Nov. 15.

The presentation by Cassels and Cahoon, who appeared on behalf of the Research Universities' Council of BC, is available on the president's section of the UVic website at uvic.ca/president/about/talks/index.php

Visual Arts offers a Paradox

For the first time in its history, the teaching faculty of the Department of Visual Arts is presenting a group exhibit. Paradox offers recent work by Daniel Laskarin, Sandra Meigs, Robert Youds, Vikky Alexander, Lynda Gammon, Jennifer Stillwell and Paul Walde. All are mid-career and senior artists with national and international careers, and each will reflect on the paradox implicit in our experience of art. Noting their work embodies "current discourses in material and visual

culture," Visual Arts Chair Daniel Laskarin says the pieces on view are "profoundly engaged with experiential communication in current practices."

"Surprisingly, we have never curated a Visual Arts faculty exhibition," says UVic Art Collections director Mary Jo Hughes. "Paradox aims to bring wider understanding to the particular strengths of this nationally acclaimed academic program."

Paradox runs October 31 to January 12 at UVic's Legacy Art Gallery.



Indeterminacy 2012 (detail) by Paul Walde. Mushroom spores and acrylic paint on wood.



Wet lab lights a spark for learning

Landine in lab with an Australian stick bug. PHOTO: KIM WESTAD

BY KIM WESTAD

Brett Landine suspects he was not alone in experiencing the low mood that settled in after his second year on campus.

Even so, the outgoing Comox student, who came to the University of Victoria with the quiet hope of becoming a physician, continued to hit the books. He wanted good marks and was willing to work for them, but school became filled with stress and tension. Instead of actually learning, Landine felt he was memorizing without engaging in his education. The bio-psych courses he thought would lead to an exciting future left him feeling flat.

"I was kind of lost and floundering," says Landine, now 23. "I felt like I was going through the motions."

That changed with one class, one professor and a grid of sea water tables alive with hundreds of sea creatures: a live lab for researchers,

instructors and students. Landine enrolled in a third-year animal behavior course with professor Rossi Marx. He finally had his first experience with hands-on learning. There, Landine studied the creatures up close. Those jellyfish he once walked past on the beach as a boy, or occasionally threw at friends, became "absolutely fascinating" to him. After all, they're the first animals to have a full nervous system.

It's one thing to learn about creatures in a book or on a video, Landine said, but a whole new experience studying them in a replicated form of their salt water habitat, a truly interactive setting. The classroom, a sea water lab that snakes through two floors of the Petch building, combined with Marx's enthusiasm and encouragement, changed Landine's focus.

"Within the first day, I felt her passion for the subject and I felt really

excited. I thought, 'Maybe this is more where I want to be.'"

While Landine said he has had many good professors at UVic, the combination of the class, the up-close learning and Marx's positive energy came at the time he was ready for it. So even though it would add at least one more year to his studies, Landine switched his major to biology. "It re-energized me for school."

Marx encouraged him to get involved in the labs. He now looks after Australian stick bugs on campus and started volunteering at Royal Jubilee Hospital and the Queen Alexandra Centre for Children's Health.

Involvement is key in education, says Marx. "Brett doesn't mind the work because he doesn't see it as work—a great example of an involved, interested student."

"As soon as you actually start participating in your education, it

becomes so much better," beams Landine. "Even though I'm volunteering and doing a work-study, I have more free time because I'm so much more interested in what I'm studying and I work more efficiently. I'm learning more, retaining more and my stress levels are down."

Marx loves seeing the "light bulb" moment, when a student clicks with their studies. She's witnessed many students mesmerized by the trays of sea creatures, which many West Coasters take for granted. Between 3,000 to 5,000 gallons of salt water from Cattle Point are trucked in twice a month to replenish the complex system that provides the replicated homes for hundreds of beings.

"Imagine you've never seen the ocean until you came here, let alone what lives in it. Imagine what it must be like to study this? We are showcasing an amazing world for students."

Royal fellows CONTINUED FROM P. 2

Her passion also extends to the public arena. She has served as an expert witness in litigation in the Supreme Court of Canada and as an advocate in campaigns on behalf of workers. In her Royal Society citation, she is regarded as having "revitalized the field of labour law worldwide by providing an innovative approach to the regulation of work in contemporary labour markets."

CAHS broadens its attention to health and wellness research

The three other faculty members elected to CAHS also display the diversity of research at UVic. Chappell, Canadian Research Chair in Social Gerontology and Professor of Sociology, is well known as a national leader in her discipline. Her research focuses on the aging population and how quality of life can be maintained when one does need health care. One of her projects examines caregivers' perceptions of Alzheimer's drug therapy from the perspective of the caregiver, something no researcher has done before. These caregivers offer insights that clinical assessments cannot measure. Chappell reminds us that though our bodies decline as we

age, we continue to evolve and grow in experience, and that the community should value the contributions of our aging population. Even before her election to CAHS, Chappell participated on one of its expert panels. She says being named a Fellow is "an honour and a bonus. Those of us heavily committed to research find satisfaction in the endeavour itself—the discovery of new knowledge. To be recognized by one's peers is not expected but greatly appreciated."

Hofer is Professor and Mohr Research Chair in Adult Development and Aging in the Department of Psychology and Centre on Aging. His research focuses on cutting-edge questions of health and cognition over our lifespans—and his laboratory is massive. The Integrative Analysis of Longitudinal Studies on Aging network is comprised of more than 40 longitudinal studies, spanning eight countries, with a combined sample size of about 70,000 individuals. Data has already been collected on individuals aged 18 to over 100 with birth cohorts ranging from 1880 to 1980. The wealth of information has spurred Hofer on to further research on the early detection of health conditions such as dementia. "I am delighted to be a fellow of the CAHS and

to have an opportunity to interact with others across Canada to improve the health of Canadians," says Hofer. "This opportunity has already led to a potential research collaboration with another fellow of CAHS, related to the work of one of my graduate students."

As Director of the UVic Genome BC Proteomics Centre, Christoph Borchers presides over a world-class facility with the highest concentration of state-of-the-art mass spectrometers of any Canadian university. His own research employs mass spectrometers for a variety of health-related applications, including identification of thousands of biomarkers. These biomarkers are key to diagnosis of diseases, such as diabetes. He and his team are also developing and implementing clinical assays through collaboration with clinical chemistry labs at hospitals in Victoria, Vancouver and Montreal. In 2011, Borchers was appointed the Don and Eleanor Rix BC Leadership Chair in Biomedical and Environmental Proteomics. The \$4.5-million endowment will in part further advance Borchers' research in health. Strongly committed to service, Borchers views CAHS as the ideal forum to assist other Fellows in evaluating developments in science and technology for their potential positive impact on Canadian health care.

ICE CONTINUED FROM P. 1

ICE provides tools, expertise and space on campus to help entrepreneurs take an idea to the stage where it is ready for investment. Advisers and mentors from outside the university provide innovators with input derived from experience and valuable connections.

"As a community of learners, innovators and entrepreneurs, there is no shortage of excellent ideas at the University of Victoria," says Vice-President Academic and Provost Reeta Tremblay. "The Innovation Centre for Entrepreneurs will provide students, staff and faculty from all faculties the support to develop their ideas while also building relationships with the region's business leaders and entrepreneurs."

And all are welcome. "We encourage anyone within the UVic family to bring their ideas forward," says ICE Director Robin Milne. "Many people are passionate about an idea but unsure how to go about moving it forward. ICE provides a framework that initially helps them to shape and present their concept. Their plan is then fully developed together with an assembled team of advisers."

ringers

International prize for digital humanist

Dr. Ray Siemens (English), UVic's Canada Research Chair in Humanities Computing, was awarded one of the most celebrated international prizes that digital humanists can aspire to. The Alliance of Digital Humanities Organisations will present the 2014 Antonio Zampolli Prize to Siemens for his singular achievement and trail-blazing leadership, next July at the Digital Humanities conference in Lausanne, Switzerland. "It was an honour even to be nominated," Siemens says, "and I gladly share the honour with the groups at UVic that have supported my work (especially the department and faculty) as well as with the Electronic Textual Cultures Lab and the Digital Humanities Summer Institute communities that are the collaborative foundation of the work for which the award is offered." More on digital humanities at UVic: ring.uvic.ca/news/digital-humanities-uvic-book-kells-e-book

A new face at Uvic Properties

The University of Victoria has appointed **Peter Kuran** to lead the restructured management of its non-academic real estate properties. Kuran was most recently deputy general manager with the Vancouver Board of Parks and Recreation, where he was responsible for a significant commercial real estate portfolio. Prior to that, he was Director of Commercial Services at Southern Alberta Institute of Technology Polytechnic in Calgary and Director of Commercial Services for the Hospital for Sick Kids in Toronto. UVic Properties includes management of: the Vancouver Island Technology Park and Marine Technology Park; Heritage Realty Property; and other off-campus holdings such as the Queenswood and Dunsmuir sites.

The centre takes clients through a four-phase protocol that takes entrepreneurs and their ideas from a concept through to a workable business plan. Clients are guided through how to make a clear and persuasive presentation of their idea at various stages, to where they feel confident putting their idea—and a solid business plan—in front of potential investors.

ICE will have space on campus where entrepreneurs and advisers can meet and work together, further strengthening UVic's relationships with both the community and with business.

Business community advisers will help guide ICE clients through the process, both from a conceptual standpoint and from a functional one, providing support in myriad fields including human resources, accounting, law, and IT.

The expansion has ICE looking for potential volunteer advisers from the community and entrepreneurial-minded people on campus (including recent alumni) to get involved with the centre. More information about this important addition to the region's entrepreneurial ecosystem is online at ICEuvic.ca.

Pilot study aims to increase office recycling

BY MELANIE GROVES

Though the University of Victoria is known for its green campus and sustainable initiatives, the institution still has a ways to go to reach the goal of diverting 75 per cent of its waste from the landfill. In fact, in 2012 university offices sent approximately 12 tonnes of banned recyclable material to the Hartland landfill.

In an effort to improve the rate of recycling in offices and help UVic comply with provincial and regional regulations, Facilities Management has commissioned a pilot study, running from September through November in the University Centre, Administrative Services, Business and Economics and Cornett buildings. During this time, Janitorial Services staff will not remove recyclable material

from the desk-side blue recycling containers in individual offices. Instead, staff and faculty are being asked to take their recyclables to new sorting stations in conveniently located office locations.

“Sorting-at-source recycling is widely accepted as the most effective way to prevent banned recyclable material from being sent to a landfill site,” says Nadia Ariff, waste reduction coordinator. “In 2011, we set up a successful sorting station system in classroom and lecture theatre buildings. We need everyone’s help to recycle more, and this study will test how a similar system works in an office setting.”

Additional information about the pilot study is available on the Facilities Management website. To find out more about campus waste reduction initiatives, call 250-853-3160 or email wastenot@uvic.ca.



President’s run

University president Jamie Cassels (centre) sets the pace for active living on campus with the inaugural President’s Run on Sept. 6. The runs, including one on Oct. 3, start at noon from the Student Affairs Plaza, between the McKinnon Gym and UVic Bookstore, and are hosted by Vikes Recreation and Athletics. All campus and community members are welcome. Future runs will be posted on UVic’s event calendar and at vikesrec.ca. PHOTO: UVIC PHOTO SERVICES



Vice-President Academic and Provost Reeta Tremblay and Vice-President Finance and Operations Gayle Gorrill are pitching in to help meet the university’s sustainability goals. PHOTO: UVIC PHOTO SERVICES

Be an agent of change for United Way

BY MEL GROVES

Are you ready to be an agent of change? United Way Greater Victoria is once again counting on the support of UVic staff, faculty and students to help meet its 2013 fundraising goal of \$6 million.

Follow your nose to the UVic campaign kick-off on Monday, Oct. 7 from 11:30 a.m. to 1:30 p.m. at the University Centre. Everyone is invited to drop in to the Welcome Centre to enjoy popcorn snacks and talk to representatives from United Way and UVic’s campaign steering committee.

“I encourage everyone to drop by, and to consider giving whatever they can this year,” says UVic campaign chair Mary Ellen Purkis. “UVic has a proud tradition of generously sup-

porting the United Way—last year we raised more than \$250,000—and it truly does make a difference to people in our community.”

UVic employees will receive pledge forms in the campus mail during October, and are encouraged to return them early for a chance to win great prizes. Employees can choose to donate via bi-monthly payroll deduction using the pledge forms. Online donations are also accepted at www.uvic.ca/unitedway/donate/online/index.php.

Fall United Way fundraising events include the Plasma Car Races on Oct. 22, Bug Push on Oct. 27, Hearts and Hands Craft Fair on Nov. 19, UVic Libraries Book Sale from November 19 to 21 and That Chemistry Show on Nov. 21.

Thanks to over 12,000 donors, United Way funds a network of programs and services working to make lasting measurable change to the lives of vulnerable children and youth, families, isolated seniors, Aboriginal people, immigrants, and people with disabilities, addictions and/or mental health challenges. In 2012, United Way provided more than 20,000 children and youth with the resources and opportunities to grow up healthy and achieve success, and assisted more than 45,000 people to build financial stability and independence. For more information, visit www.uwgv.ca.

Visit the UVic United Way website at www.uvic.ca/unitedway/ or follow the campaign on Twitter @UVicUnitedWay.

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calendar highlights

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

at the galleries

www.uvac.uvic.ca
250-721-6562

■ **Exhibit.** *Three-Cornered World.* Until Oct. 19. Visual Arts grad Anne Heeneey presents her collection of narrative paintings and abstracts. Visual Arts Gallery. 250-721-6222

■ **Exhibit.** *Shakespeare's Big Books.* Until Oct. 23. The Shakespeare First Folio (First Collected edition of his plays) is one of the Western world's best-known and most iconic books. Discover why these folios have held people's fascination through the centuries and enjoy and opportunity to see all four 17th century folios together for the first time in BC. Free and open to the public. Legacy Art Gallery, Main Gallery, 630 Yates St. 250-721-6562

■ **Exhibit.** *Core Samples: Visual Arts Faculty 1963-1985.* Until Oct. 26. This exhibition presents the history of UVic's Visual Arts Department, from its earliest days as a breakaway department from the Faculty of Education, to its strong reputation for innovations in painting, printmaking, photography and sculpture. Legacy Art Gallery, Main Gallery, 630 Yates St. 250-721-6562

■ **Exhibit.** *Coalescence: Bridging Contemporaneity and Traditions.* Until Nov. 18. This exhibition offers an in-depth look at the work of five contemporary Northwest Coast artists: Francis Dick, Charles Elliott, Richard Hunt, Tim Paul and Moy Sutherland. Maltwood Prints & Drawings Gallery, McPherson Library. 250-721-6562

at the theatre

phoenixtheatre.ca
250-721-8000

■ **Theatre.** *Kitt & Jane.* Until Oct. 26. Created by Ingrid Hansen, Kathleen Greenfield and Rod Peter Jr. Produced by SNAFU Dance Theatre. An Interactive Guide to the Near Post-Apocalyptic Future. Various Prices.

■ **Theatre.** *The Skin of Our Teeth.* Nov 7-23. By Thornton Wilder and directed by Linda Hardy. Absurdly funny and very profound, this 1943 Pulitzer Prize-winning satire from the author of *Our Town* takes us on a wild and raucous tour through the ages. Various prices.

THURSDAY, OCTOBER 3

■ **CCCBE Lecture.** 7 p.m. *Take Back the Economy: Ethics and Methods for Constituting Community Economies.* Dr. Katherine Gibson, Institute of Culture & Society at the Univ. of Western Sydney. Wright Centre A104. 250-472-4539

FRIDAY, OCTOBER 4

■ **Lecture/Seminar.** 12:30 p.m. *Pre-digital Books.* Prof. Jan Just Witkam, Codicology and Paleography (Leiden Univ.), presents *Islamic Manuscripts in UVic Collections.* Mearns Centre A003. 250-721-7367

■ **Music.** 12:30 p.m. *Fridaymusic.* Featuring School of Music keyboard students. MacLaurin B125. 250-721-8634

■ **Music.** 8 p.m. *UVic Wind Symphony.* A Celebration of British Wind Music. Eugene Dowling, conductor. UVic Centre Farquhar Auditorium. Tickets \$5-\$14. 250-721-8480

MONDAY, OCTOBER 7

■ **CFGS Lecture.** 1 p.m. *Afghanistan in 2013: An Update from the Field on the State of Human Development and the Status of Women and Girls.* Murwarid Ziyee, Country Director, Canadian Women for Women in Afghanistan and Lauryn Oates, Projects Director. RSVP to jsswift@uvic.ca. Elliott 061

TUESDAY, OCTOBER 8

■ **Cafe Scientifique.** 6:30 p.m. *Cancer Research in History and Modern Times: One Cure at a Time.* Dr. Fraser Hof, UVic. Hermann's Jazz Club, 753 View St. To reserve seats 250-721-7744

■ **Lecture/Seminar.** 7:30 p.m. *What is Buddhism?* Prof. Jessica Main, UBC and Bishop Tatsuya Aoki, Jodo Shinshu Buddhist Temples of Canada. Fraser 157. 250-721-8866

WEDNESDAY, OCTOBER 9

■ **Other.** 3 p.m. *UVic Local Community Market.* Join local organic farmers selling produce, plus artisans and community groups. SUB Michele Pujol Room. 250-853-3758

FRIDAY, OCTOBER 11

■ **Music.** 12:30 p.m. *Fridaymusic.* Featuring School of Music guitar students. MacLaurin B125. 250-721-8634

TUESDAY, OCTOBER 15

■ **Beck Lecture.** 10:30 a.m. *The Spectral in Icelandic Culture.* Ágúst Guðmundsson, Film Director, Reykjavik, Iceland. Clearihue A303. 250-853-7656

WEDNESDAY, OCTOBER 16

■ **Music.** 12:30 p.m. *Lieder at Lunch with Sharon & Harald Krebs.* Songs about Windows. MacLaurin B037. 250-721-8634

THURSDAY, OCTOBER 17

■ **Conference.** 9 a.m. *Affordable Housing for Low Income People.* Pacific Housing Research Network is hosting the "Solutions & Challenges" symposium. Keynote speakers, Dr. Bernie Pauly, UVic & Dr. Penny Gurstein, UBC. Cadboro Commons. Suggested donation of \$20 to cover food costs. Registration required. 250-853-3521

■ **Lecture/Seminar.** 6 p.m. *Carbon Champions Night.* Sustainable Saanich and UVic's Campus Planning & Sustainability, the CRD and LiveSmart BC host an evening about taking action on climate change. Keynote: Rob Abbott, Exec. Director of BC's Climate Action Secretariat. David Lam Auditorium. Register at climateaction.saanich.ca

■ **Restoration Speaker Series.** 7 p.m. *Saanich Urban Forest Strategy.* Cory Manton, Urban Forestry, Horticulture and Natural Areas Manager. Registration required 250-472-4747.

FRIDAY, OCTOBER 18

■ **Music.** 12:30 p.m. *Fridaymusic.* Featuring School of Music woodwind students. MacLaurin Bldg. B125. Admission by donation. 250-721-8634

SATURDAY, OCTOBER 19

■ **Music.** 8 p.m. *Faculty Chamber Music Series.* Performing a program of familiar and rarely heard works by Rachmaninoff, Hans Gál, Martinu, Copland and others. MacLaurin B125. Tickets \$17.50-\$13.50. 250-721-8634.

TUESDAY, OCTOBER 22

■ **Lecture/Seminar.** 2:30 p.m. *Coping with Catastrophe: Environmental Injustice and Ecological Citizenship in Canada's Chemical Valley.* Sarah Marie Wiebe, UVic. David Turpin Bldg. A357. 250-721-6637

SUNDAY, OCTOBER 27

■ **Lecture/Seminar.** 2 p.m. *Ted Grant: Sixty Years of Legendary Photojournalism.* Dept. of Writing and Heritage House Publishing present an illustrated reading and book launch by writing graduate Thelma Fayle. MacLaurin B125. 250-721-6222

MONDAY, OCTOBER 28

■ **VNHS Lecture.** 7:30 p.m. *From the Abyss to Your Laptop in Near Real Time!* Rick Searle, Manager, Educ. Programs at Ocean Networks Canada. Fraser 159. 250-479-6622

2013 GREAT BC SHAKEOUT

We're living on the edge: It's time to *Drop! Cover! Hold On!*



MELANIE GROVES

Please wear something red on Oct. 17 and practice the DROP! COVER! and HOLD ON! procedure wherever you are at exactly 10:17 a.m. The drill may be announced in your building.

"This simple two-minute drill will help you learn the immediate response procedures for an earthquake," says Daphne Donaldson, manager of emergency planning. "Even though the steps are simple, it's important to practice them regularly so that we can react automatically during an emergency—no matter where we are."

The faculty champion for this year's ShakeOut drill is the Faculty of Engineering. Administrative officer Mary-Anne Teo explains that the deans, senior administrative staff and building safety committee members are encouraging all faculty, staff and students to participate in the drill. Hausi Müller, associate dean of research, has generously shared with other instructors a

set of PowerPoint slides that he developed in order to discuss and carry out the drill in his classes. The short presentation may soon be made available to all UVic faculty as a ShakeOut teaching aid.

"Planning for the ShakeOut drill has raised our awareness about all the things we need to consider before an earthquake happens," says Teo. "For example, I learned that I needed to make the area under my desk clear and comfortable in case I have to take shelter there. We have all checked our emergency kits and added useful items like flashlights, cash, blankets, water, snacks and family contact cards. I moved heavy items off the shelves above my desk area to reduce the risk of being injured during a quake, and now I have my kit within reach—just in case."

Information and resources to help you prepare for an earthquake are available on UVic's Emergency Planning website at www.uvic.ca/services/emergency or at www.shakeoutbc.ca.

SPECIAL EVENTS

We're Living on the Edge: Earthquakes in Southwestern BC

Friday, Oct. 11, 12:30–1:30 p.m.

Guest speaker Dr. John Cassidy, a research scientist with the earthquake seismology section of Natural Resources Canada's Geological Survey of Canada, will answer questions about earthquakes, aftershocks and what we should expect in Victoria. Cassidy was part of the Canadian Association of Earthquake Engineers Reconnaissance Team that travelled to Chile immediately after the devastating 2010 magnitude 8.8 earthquake.

When the Shaking Stops

Tuesday, Oct. 15, 1–2 p.m.

UVic Emergency Planner Daphne Donaldson will offer tips about staying safe after an earthquake, with a focus on UVic's new campus evacuation procedures.

Contact Daphne Donaldson at ddonald@uvic.ca or 250-721-6355 to register for these sessions.

Did you know?

Grab and Go kits and emergency radios are available at the special discount price of \$25 at the UVic Bookstore.



UVIC UNITED WAY KICK-OFF

Monday, October 7 | 11:30 a.m.–1:30 p.m.
Welcome Centre

Come join your colleagues and the community to celebrate the beginning of the UVic United Way Campaign! Drop in anytime between 11:30 and 1:30 to eat some popcorn, learn more about the United Way, and drop off your pledge form to be entered in a draw for a fabulous prize.

uvic.ca/unitedway



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Vikes ATRS Director Clint Hamilton, with CARSA construction in background. PHOTO: UVIC PHOTO SERVICES

Scaling CARSA

What will take thousands of pairs of hands to climb? Imagine an 18-metre tower, rising up near UVic's McKinnon Building. In less than two years, community members can belt into harnesses and scale UVic's new climbing wall themselves.

Groundbreaking took place early this year for the new Centre for Athletics, Recreation and Special Abilities (CARSA) and now the climbing tower's structural surround, which currently resembles a giant version of a child's magnetic building set, looms above the construction zone along Gabriola Road.

The work by Campbell Construction Ltd. is on a grand scale: floor space for the centre takes up the equivalent of three football fields; the volume of concrete to construct the building and

adjacent parkade will fill 1,300 concrete trucks; and the amount of reinforcing steel would weigh down 55 semi-trailer trucks.

CARSA is the university's first major athletics and recreation facility in over three decades. The building is also targeted to achieve the LEED gold standard. CARSA is scheduled to open in spring 2015.

As construction progresses, UVic continues to post information on the CARSA website at www.uvic.ca/carsa, including traffic updates and story vignettes about the ongoing influence and impact of its future occupants: UVic's Vikes, sports and recreation programs, and CanAssist.

The foundation has been laid; the vision is becoming a reality. Visit the website for more on how to support this state-of-the-art facility.

Brainstorm a new business—today!

Less than a week into their studies, 240 commerce students at the Gustavson School of Business were teamed up and challenged to conceive—and pitch—56 new business ideas. In one day.

Each team included at least one international exchange student, and the sustainable and socially responsible idea had to work in that person's home country.

The event name, MIISsion Impos-

sible, isn't a typo. Instead, the unusual name is a visual reminder of the pillars that help define the Gustavson experience: Innovative. Integrative. International. Sustainable and Socially responsible.

Judges from the university and the community took part in the event, including local MP and leader of the Green Party of Canada, Elizabeth May, who was on hand to congratulate the winners and hand out prizes.



Elizabeth May with (from L to R) Dani Aberger, Jordan Alamwala, Sonia Jurkiewicz, Andy Martin and Dana Gunn. The five students were one of 56 student teams at the Gustavson School of Business's sustainable-business challenge, MIISsion Impossible 2013. PHOTO: UVIC PHOTO SERVICES



Humphrey. PHOTO: UVIC PHOTO SERVICES

day in the life

BY KAITLYN ROSENBERG

Down in the basement of the Bob Wright Centre, in a room within a room that cannot be disturbed by traffic from nearby Ring Road or the infinitesimally small particle showers of the sun, the diminutive and engaging Dr. Elaine Humphrey is entrusted with the care and operation of the most powerful microscope in the world.

But don't call it the most powerful microscope in the world in front of her. UVic's Scanning Transmission Electron Holography Microscope (STEHM) might not be the most powerful—it might not consume the most energy or direct the most powerful beam of any microscope ever built—but with the impassioned delight of an engaged scientist, Humphrey will explain that one of the many things that makes the STEHM microscope so special is that it is the most stable high-spatial resolution microscope ever constructed.

And then Humphrey—laboratory manager and STEHM technologist—will tell you some of the other things that make it both a unique delight and a compelling challenge to work with.

Housed in a temperature-controlled room (currently set at 23°C), with walls lined with cooling and acoustic panels, the Hitachi HF-3300V STEHM microscope, custom manufactured with the assistance and support of the Hitachi corporation, is the first of its kind in the world, and the definite superstar of UVic's Advanced Microscopy Facility.

And Humphrey's job, to keep the facility running smoothly, is

not a simple task when researchers from across campus and the world are itching to explore the incredible power of the STEHM.

The STEHM can view atoms at picometre resolution. "If you take a millimetre and divide it by 1000 you have a micron. Divide a micron by 1000 and you have a nanometre. Divide a nanometre by 1000 and you have a picometre," explains Humphrey. "A silicon atom is around 235 picometres."

Each day in the lab, Humphrey and her assistant Adam Schuetze get to discover the details in everyday things no one ever realized were present. "Quite a lot of firsts in this microscope," says Humphrey, and adding "We can see atoms any time!"

Humphrey's journey to UVic began at the University of Southampton in England, where she earned her PhD in Oceanography. Her research on marine snails led her to train on SEM (scanning electron microscope) and TEM (transmission electron microscope) microscopes at Southampton General Hospital. In 1987, she moved to Canada with her family.

In 1992, Humphrey began working part-time at UBC, where she eventually ran the BioImaging Facility. In her spare time, she volunteered at the Vancouver Aquarium and became increasingly interested in hair (sea otter and sloth hair to be exact). Her obsession with hair grew to include the Wool dog, an extinct species First Nations once bred for their long locks.

"Hair's really interesting," says Humphrey, who has continued her

hair research and hopes to use the SEM for further inquiries into follicles of every kind.

Moving forward, it's clear Humphrey wants the entire facility to feel welcoming for all. The lab, which began in 2009 as only a concrete floor, will hopefully be open 24/7 in the future.

For now, Humphrey is excited to be training more and more STEHM users. "A lot of people get trained on just the technology, but what you're taking away is an image. You have to look at it artistically as well," she says.

Humphrey's own images have reached well beyond the scientific community. The wildly popular science-fiction television show *The X-Files* featured her bug images in the series. Five children's books comprise her stereo SEM pictures.

With Schuetze, she has also created incredible art that requires a microscope to even be seen. One of the microscopes in the lab, the Hitachi FB-2100 Focused Ion Beam system, can act as an extremely precise etching tool. They wanted to see if the entire UVic campus map could be etched onto the head of a pin. "The head of the pin was way too big, so we turned it over onto the point of the pin. You can get five campus maps on there," says Humphrey.

Humphrey also welcomes new users to the facility regularly. "Using an electron microscope that's already aligned is very easy," she believes. While the STEHM may be the world's most precise microscope, it's clear a brilliant mind is behind the lens.