



On Campus News

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Flag ceremony

U of S President Ilene Busch-Vishniac and Chief Wallace Fox of the Onion Lake First Nation participate in the official presentation of the Treaty No. 6 flag to the university March 12. Featuring a Union Jack and a medallion with the words "For as long as the sun shines and the rivers flow and the grass grows," the flag symbolizes a new beginning of working together, said Fox. Busch-Vishniac said the flag will be placed in Convocation Hall and will appear at official functions along with the flags of the university, Saskatchewan and Canada.



COLLEEN MACPHERSON

A lab the size of outer space

SuperDARN celebrates 20 years

by KRIS FOSTER



Kathryn McWilliams, associate professor of physics and engineering physics.

KRIS FOSTER

“Our radar network in the north and south hemispheres gives us a global picture of how space weather affects the Earth’s space environment.”

Kathryn McWilliams

With 29 radars operating as one instrument, the U of S, as part of an international group, is quite literally keeping eyes on the skies. Now in its 20th year of operation, the Super Dual Auroral Radar Network (SuperDARN) has been using its ever-growing network of radars to monitor the space weather that occurs hundreds of kilometres above the Earth’s surface, explained Kathryn McWilliams,

associate professor of physics and engineering physics. “Our primary research goal is to better understand the affects space weather has on the atmosphere,” said McWilliams who, along with Jean-Pierre St. Maurice, Canada Research Chair in Environmental Sciences, represents the U of S in this network. “If there is a big solar storm, that affects things we use everyday, like GPS,

radio communication, internet, banking, power transmission.” As a co-operative program with international partners from 10 countries—Canada, the U.S., Japan, Italy, Australia, France, China, Russia, the U.K. and South Africa—the work SuperDARN undertakes is quite varied, McWilliams said, from space to the physics of the ionosphere to plasma physics, but the common thread is that this area of research is still relatively new. “This is all discovery based science. We are trying to understand this science using a lab that is the size of the solar system. Our radar network in the north and south hemispheres gives us a global picture of how space weather affects the Earth’s space”

See Producing, Page 8



Over the counter Page 2



Snowman’s land Page 5



Financial Services Division | FSD

Year-end cutoffs

Our fiscal year-end on April 30 is fast approaching—a very busy time for many employees as they ensure financial activity is captured accurately in the correct time period. While normal month-end procedures generally apply for the month of April, there are specific exceptions employees working in affected processes need to follow due to year-end requirements. A list of exceptions and associated cutoff dates (in most cases, by 4:30 p.m.) follows.

Please refer to the more detailed memo recently distributed and posted on FSD's website at the bottom of the Accounting page (in Colleges/Depts/Research) under the heading "Year-End Information" for more information on each process.

- **April 12:** service department requisitions
- **April 15:** approved exception standing orders
- **April 19:** outstanding purchase orders
- **April 19:** on-line purchase requisitions
- **April 30:** petty cash transactions
- **April 30:** travel expense claims
- **April 30:** cheque requisitions
- **April payroll** (see Human Resources Division memo/website)
- **May 1:** receiving
- **May 1:** cash receipts
- **May 2:** dept./unit UniFi feeds
- **May 2:** regular journal entries
- **May 6:** journal entries correcting April transactions
- **May 6:** year-end inventory adjustments
- **May 6:** PCard purchases account distributions

Training Sessions

Register at training.usask.ca

FAST Financial Reporting
1:30 – 3:30 pm, March 26
RM 281, John Mitchell Building

Journal Voucher Training
1:30 – 3:30 pm, March 28
RM 281, John Mitchell Building

UniFi Plus Tip

In most cases, UniFi Plus does not prominently display error messages; instead, the error message will be displayed in the auto hint line. The auto hint line is located at the bottom left of the form, with the status line immediately below it. Note that auto hints will always refer to the field in which your cursor is located. The auto hint line typically displays things like: brief field description; error and processing messages; keyboard shortcuts; instructions for accessing other blocks, windows or forms from the field. For more information (with pictures!), see News and Events on the FSD home page.

usask.ca/fsd

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FSD

Medical metaphors

Delbaere compares pharmaceutical ads aimed at doctors and consumers

✍ KRIS FOSTER

It's the middle of the night. A woman is laying awake in bed with a look of pain on her face, beads of sweat on her forehead and a campfire blazing on her chest. There are marshmallows toasting over the open fire.

The print ad suggests, with not a great amount of subtlety, that she's suffering from a bad case of heartburn and needs the prescription medicine featured in the advertisement.

This type of pharmaceutical ad, because of how it uses metaphors, piqued Marjorie Delbaere's interest. "I became interested in what was going on in the background meaning in these types of ads, specifically the conceptual metaphors appearing in these ads," explained the associate professor of marketing in the Edwards School of Business. "A couple great examples of conceptual metaphors are that medicine is war or illness is a journey, 'fight off that cold' or 'long road to recovery.'"

Prescription drug advertising to consumers is big business—in the U.S., pharmaceutical companies spent over \$4 billion in advertising to consumers in 2010. "These are controlled substances and consumers can't purchase them (without a prescription) because expert knowledge is required to understand how they work."



Marjorie Delbaere, associate professor of marketing

✍ KRIS FOSTER

That's why, she continued, a lot of countries only allow prescription drugs to be advertised to physicians. So Delbaere began looking at how the use of metaphors in prescription drug ads differed between those targeting consumers and those directed at physicians. She and her research assistants began flipping through page after page of consumer magazines and journals for physicians.

What surprised Delbaere was that she found the same types of metaphors in ads directed to physicians as she did for consumers. "I thought advertisers would present physicians with mostly numbers and facts in the ads, but that's not the case. Metaphors were as present in these ads as they were for consumers."

Delbaere doesn't have an explanation for this yet, but thinks "doctors are just like us; they don't have time to read text heavy ads. These ads also provide a way to explain these concepts to patients."

The most common metaphors were those referencing magic, journeys, theft, sports and personifying the drugs. "Metaphors are effective because they make abstract things concrete. The appeal is powerful around complex topics. Drugs are the athlete, magic or weapon and disease is a villain, tormentor or monster. Fibromyalgia, for example, is not well understood, but referring to the pain that results as a thief makes it easier for the average consumer to understand."

Metaphors are persuasive

“Metaphors are effective because they make abstract things concrete.

Marjorie Delbaere

and make the ads effective, but they can also lead to "people drawing conclusions that aren't accurate. The sports metaphors imply that someone is going to win and someone is going to lose. This can lead to false knowledge; sometimes you can't win and will have to live with the illness."

The other startling discovery was that ads "don't often talk about lifestyle changes. That's the dangerous side of it—lifestyle changes are often required and can make a medication more effective. We do have to take some actions ourselves."

These ads have a role, she continued, to help consumers better understand the topic. "If they can make consumers more aware of what it (the drug) does and doesn't do, then there is a better understanding of its limitations. There is no silver bullet."

Delbaere's research is being published in an upcoming issue of the journal *Social Science & Medicine*. In the upcoming year, her research will move to Germany where there is a "big pharmaceutical industry. We are going to collect information and talk to drug marketers, to get the other side of the story." ■

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TransformUS work begins

✦ COLLEEN MACPHERSON

Membership of the TransformUS task forces has been announced and the deadline for their reports that will rank all academic and administrative programs at the U of S is set, but exactly how the groups will get from here to there has yet to be determined.

“What I told (the task force members) was that all I know for sure is when and how they’ll start their work, and when and how they’ll end it,” said Provost Brett Fairbairn. “Once they get going, they will organize their own work.”

The job of the task forces is to set criteria they can then use to review and rank all academic and administration programs across campus with an eye to

budgetary changes. Based on their final reports, decisions will be made about whether each program deserves more or less investment, or even if a program or activity should be eliminated.

TransformUS is based on a model detailed in Robert Dickenson’s *Prioritizing Academic Programs and Services: Reallocating Resources to Achieve Strategic Balance*, but Fairbairn pointed out that prioritization processes used by other universities following Dickenson’s model have all looked quite different. The two groups will spend three days in March with a facilitator who is familiar with the many variations of the Dickenson model and how they have been

used at different universities. The groups will then organize how they want to approach the task and what information or research they require.

Task force members were selected from 227 names submitted in a nomination process. What they all share, said Fairbairn, is a dedication to the university. “They all see the importance of this job and are strongly motivated by the spirit of helping out the university.” Area of work, gender and rank within the institution were considered in the selection of members but he noted not every unit is represented. “All members will be asked to take a university-wide perspective.”

One of the first questions most of those invited to join a task force asked was about workload. There will be periods of intense work, likely when the prioritization criteria is set and when the actual ranking takes place, he said, but “what we have heard from other universities ... is that the task forces can expect

to meet for two to six hours every other week with the same amount of time for preparation.” No matter the time commitment, “we expect this to be part of their assigned duties. We’re not looking to backfill this time.”

Exactly how many programs will be evaluated still remains to be seen, said Fairbairn. “I know it’s more than tens but my sense is it’s less than thousands.” A data team has begun compiling information for the task forces and will be available to respond to their requests. The groups will also continue to have access to the facilitator who “brings things that no one inside the University of Saskatchewan could provide.”

There is no set schedule for the groups to report on their work; the only firm date is Nov. 30 when their reports must be complete. And Fairbairn is looking for those reports to be “compelling and action oriented. The link between rankings and budget action is really important.”



Fairbairn

Fairbairn stressed that TransformUS is program prioritization, not unit prioritization, meaning a unit with several programs could see each one ranked quite differently. And prioritization is “not a question of good or bad,” he continued; depending on the criteria used by the task forces, even the most efficient program could end up ranked as a low priority for the university. ■

On March 5, President Ilene Busch-Vishniac announced the membership to two task forces that will spend the next several months reviewing and ranking both academic and support service programs across the University of Saskatchewan. The 22 members of the academic task force and the 25 who make up the support service task force were selected after a campus-wide nomination process.

Academic Program Transformation Task Force

Scott J. Adams, undergraduate, College of Arts and Science
Sina Adl, head, Dept. of Soil Science
Dr. Paul Babyn, head, Dept. of Medical Imaging
Beth Bilson, professor, College of Law
Ralph Deters, professor, Dept. of Computer Science
Pamela Downe, head, Dept. of Archaeology and Anthropology
Markus Hecker, assoc. professor, School of Environment and Sustainability
Eric Howe, professor, Dept. of Economics
Lisa Kalynchuk, professor, Dept. of Medicine
John Kleefeld, assist. professor, College of Law
Dean Kolbinson, professor, College of Dentistry
Ed Krol, assoc. professor, College of Pharmacy and Nutrition
Karen Lawson, professor/assoc. head, Dept. of Psychology
Charles Maule, professor, Dept. of Chemical and Biological Engineering
Venkatesh Meda, assoc. professor, Dept. of Chemical and Biological Engineering
Pat Renihan, professor, Dept. of Educational Administration
John Rigby, assoc. professor, Dept. of Management and Marketing
Jaswant Singh, professor, Dept. of Veterinary Biomedical Sciences
Tom Steele, professor, Dept. of Physics and Engineering Physics
Josie Steeves, PhD student, College of Education
Doug Thorpe, assoc. professor, Dept. of English
Susan Whiting, professor, College of Pharmacy and Nutrition

Support Service Transformation Task Force

Gregg Adams, professor, Dept. of Veterinary Biomedical Sciences
Elissa Aitken, director, College of Engineering/government relations, President’s Office
Mitchell Anderson, student, St. Andrew’s College
Yuguang Bai, professor, Dept. of Plant Sciences
Jan Baxter-Jones, co-ordinator, FSD/finance officer, College of Pharmacy and Nutrition
Scott Bell, professor, Dept. of Geography and Planning
Janina S. Chilima, PhD student, School of Environment and Sustainability
Ken Coates, professor, Johnson-Shoyama School of Public Policy
James Cook, business opportunities manager, Corporate Administration
Barb Gillis, chief financial officer/director of operations, College of Arts and Science
Jim Handy, head, Dept. of History
Colleen Macdonald, project governance director, FMD
Erling Madsen, technician/stores manager, College of Pharmacy and Nutrition
Alexander Moewes, professor, Dept. of Physics and Engineering Physics
Dwight Newman, professor, College of Law
Laurel O’Connor, international research and engagement, Office of the VP Research
Candice Pete, director, College of Agriculture and Bioresources
Erica Schindel, communications, Johnson-Shoyama School of Public Policy
Kevin Schneider, professor, Dept. of Computer Sciences
Lisa Shepard, manager, Strategic Enrolment Management Project, College of Engineering/ admissions and transfer credit manager, SESD
Monisha Shukla, director, Information and Communications Technology
Brad Steeves, operations director, Council of Health Sciences Deans
Jim Traves, finance and trusts director, University Advancement
Bob Tyler, professor, Dept. of Food and Bioproducts Sciences
Brad Wuetherick, program director, Gwenna Moss Centre for Teaching Effectiveness

FROM THE ARCHIVES

View from above

✦ PATRICK HAYES, U OF S ARCHIVES



U of S Archives, RG 2015

This issue’s image is a 1957 aerial view of campus and the surrounding city. College Drive has yet to be widened. The block houses north of the road and south of the President’s Residence are still there. Griffiths stadium is in its original location at the corner of Cumberland and College. The

land north of campus was still a city subdivision consisting of a few scattered houses with no running water. In the previous two years the University Hospital, Murray Memorial Library, Memorial Union Building, Ellis Hall and St. Thomas More College had been completed. ■

Clarifying origins of an initiative

The OCN article from March 1, Academic architecture: Considering the potential for a unique U of S program, indicates that the idea for an architecture school (program) at the University of Saskatchewan came from the Saskatchewan Association of Architects (SAA). A quote from Ernie Barber elaborates, saying that this “demonstrates that not all the good ideas come from within the academy.” This is not quite correct, and the early history should be clarified.

Letter

In spring-summer 2008, a small group of academics and practitioners introduced the concept for a new architecture program to the U of S and the SAA. It included Jyhling Lee, Charles Olfert, Rick Haldenby, and me. Jyhling and Charles are Saskatoon-based architects and members of the SAA. Charles was also the Royal Architectural Institute of Canada’s board member for the Saskatchewan-Manitoba region. Rick Haldenby was and remains Director of the School of Architecture at the University of Waterloo. He was also Chair of the Council of Canadian University Schools of Architecture. I was Assistant Professor and incoming Chair of the Regional and Urban Planning program in the College of Arts and Science. We immediately recruited Colin Tennent, University Architect and a past-President of the SAA, to the initiative. We then approached the SAA with the concept and worked with that organization as initial members of the task force referred to in the OCN article. Provost Fairbairn was aware and supportive of our work to explore the concept further. In December 2008, former Dean of Engineering, Janusz Kozinski, became the first dean to throw his support fully behind the initiative. Many other people at the university and in the community have worked exceptionally hard since that time to carry this important initiative to the point it is at today. This letter is simply to clarify the initiative’s origin. ■

Ryan Walker, Associate Professor, Regional and Urban Planning

ocn Publishing Schedule | 2012-13

No.	Issue Date	Deadline Date
14	March 28, 2013	March 21, 2013
15	April 12, 2013	April 4, 2013
16	April 26, 2013	April 18, 2013
17	May 10, 2013	May 2, 2013
18	May 24, 2013	May 16, 2013

Send letters to the editor or viewpoints to ocn@usask.ca

ocn On Campus News

On Campus News is published 18 times per year by University of Saskatchewan Communications. It is distributed to all U of S faculty, staff, graduate students and members of governing bodies, as well as to others in the university community, related organizations, some Saskatchewan government officials and news media. Subscriptions are available for \$20 per year. Story and photo ideas are welcome. Advertising rates are available online or on request. *On Campus News* aims to provide a forum for the sharing of timely news, information and opinions about events and issues of interest to the University of Saskatchewan community.

The views and opinions expressed by writers of letters to the editor and viewpoints do not necessarily reflect those of the University of Saskatchewan or *On Campus News*.

Editor: Colleen MacPherson

Writer: Kris Foster

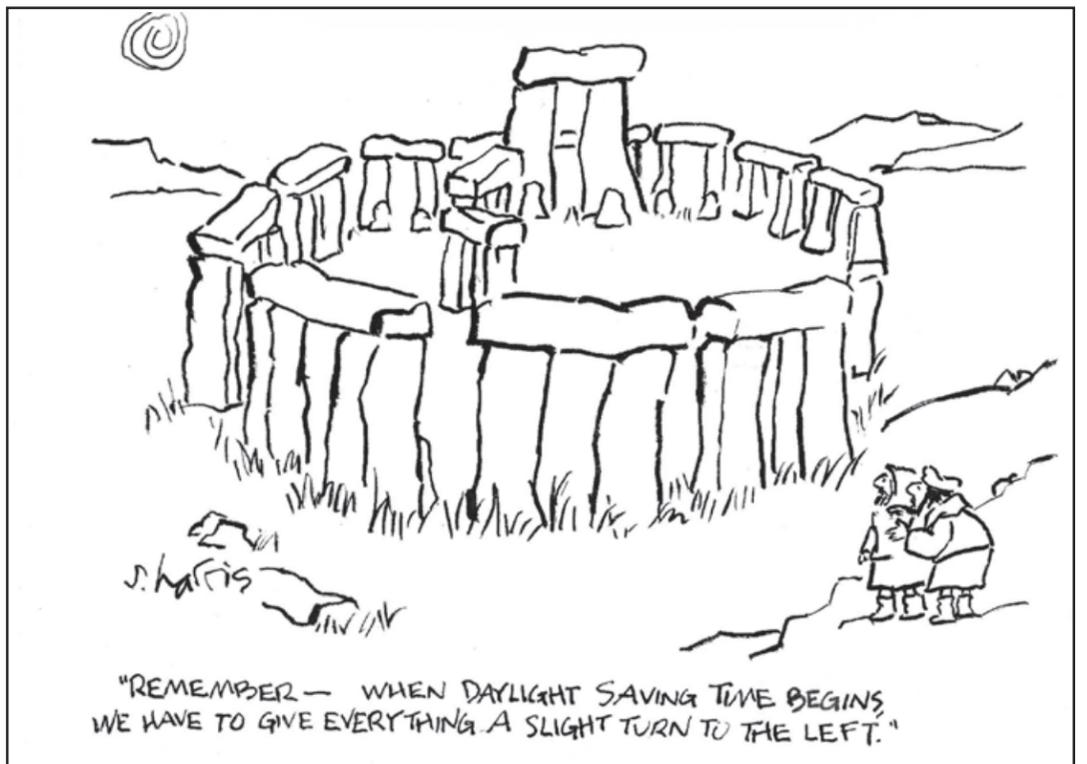
Designers: Brian Kachur, Pierre Wilkinson

Editorial Advisory Board: Patrick Hayes, Sharon Scott, Gillian Muir, Sandra Ribeiro, David York, Steve Jimbo, Fiona Haynes, Patty Martin



ISSN: 1195-7654

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Creating a niche in food security

✍ MICHAEL ROBIN

For Roger Beachy, one of the first orders of business for the new Global Institute of Food Security (GIFS) is to carve out a bite-sized piece from an enormous field.

“What is included in a discussion of food security in the inner city of Toronto or a rural area in Canada—where there are food deserts and under-nutrition—is very different from a discussion of food security in Mumbai, India,” said Beachy, who was appointed GIFS founding executive director and chief executive officer January 1. “(GIFS) will have to choose those elements of food security most relevant to its mission.”

Beachy, an internationally renowned scientist specializing in plant biology and biotechnology, will lead GIFS through its start-up phase and plans to remain involved in a senior oversight capacity. He explained the GIFS, launched last year with funding from the province, PotashCorp and the U of S, will find its niche by taking stock of the strengths that Saskatchewan has already built.

For example, the province is the world’s largest exporter of lentils, thanks to work at the U of S Crop Development Centre. Lentils are staple and a crucial source of protein in many of the world’s most populous nations, and Beachy wondered if it might be possible to improve lentils and make them more nutritious. At the same time, superior varieties would secure Saskatchewan’s market for the crop.

“A major issue for the province is to ensure the economy of Saskatchewan remains strong as an agricultural community, while maintaining its position as a preferred international provider of food and feed,” he said. “There’s an interesting balance here.”

Knowledge, and the science



Roger Beachy, GIFS executive director

DAVID STOBBE

done at the GIFS, will be of global importance, he continued. For example, understanding what makes soil healthy and productive in Saskatchewan and Western Canada could be applied in countries with the same soil types, such as Ukraine or China. Part of the GIFS agenda is to foster a sharing of minds, as students from other countries come to the U of S and Canadian students travel abroad.

“The thing that attracted me to this position was the strength of the academic community,” Beachy said. “The U of S has all or most of the pieces to ensure success. None is dominant over the other, and there is willingness to engage in collaboration. (The) GIFS will be, I think, a synergizing institute that will provide opportunity for more individuals and more groups to collaborate on new problems.”

Using the lentil example, those who market Saskatchewan products might work with partners in India to identify the ideal nutritional profile, and then

nutritionists and plant breeders might work through GIFS to produce a better crop. Agricultural economists could also be part of the mix, assessing the impact on the economy and people’s lives.

“If we get this right, those who purchase and consume our lentils may prefer them because of the nutrition, taste and other organoleptic qualities that Saskatchewan products have. If we include such goals in our upstream research, a consumer ‘pull’ will ensure that the outcome of our research achieves its intended outcome.

“If we take a similar approach to inform the public and policy makers of our research goals and the types of technologies needed to achieve those goals, it may lead to greater familiarity and acceptance of the technologies and products developed. For example, keeping the public informed about new methods for plant breeding and varietal development, or about advanced tech-

See *Innovation*, Page 11

The snow man

Darren Crilly and team battle winter on campus

by COLLEEN MACPHERSON

Even though Darren Crilly is busy planning spring and summer landscaping projects on the U of S campus, winter is never far from his thoughts, particularly this year.

That's because the grounds manager and his crew of 15 supervisors, equipment operators and shovellers from the Facilities Management Division (FMD) are responsible for clearing the snow from 25 kilometres of roads and pedestrian paths as well as from in and around over 350 doorways. And with the near-record amount of snow that has blanketed campus so far this winter – well over 110 cm according to city statistics – it has been a mammoth task.

Preparation for snow removal begins months before the first flake falls. During the summer, Crilly prioritizes areas of campus for snow clearing, knowing it takes several days to shovel everywhere after an average snowfall. Topping the list are the most heavily used roads and pathways like those around the Bowl, in the bus terminal area and the Wiggins sidewalk leading to campus. Other priority areas include loading docks, sidewalk and building ramps, and parking

spots for people with disabilities. "The lesser-used paths may be cleared at the end of a five-day run," he said.

While the FMD crew does use front-end loaders and Bobcats for the big stuff and smaller machines for brushing or plowing walkways, there is a still lot of snow that has to be cleared by hand, he said. And the favourite tool for the job is a 24-inch plastic shovel with a wooden handle.

"People know how much shovelling they've had to do around their own homes this winter," said Crilly. "Now imagine putting in six or seven hours a day shovelling for five days straight. It's a big, big job, often in trying conditions. The frequency of snowfalls this year has made it very difficult but everyone continually rises to the challenge."

Snow clearing on roadways and in parking lots is handled by heavy equipment contractors. Crilly said part of his preparation for winter is negotiating contracts for complete snow removal from these areas, which, "if everything goes well, is a five-night process after a good heavy dump of snow." With the contacts in place, he



Darren Crilly, U of S grounds manager

COLLEEN MACPHERSON

then waits for the snow to arrive.

"As soon as five centimetres fall, I start thinking contractors but when you pick up the phone and make that call, it can cost anywhere from \$12,000 to \$40,000, depending on what you need so I take it very seriously."

Crilly said his budget typically covers three complete snow lifts by contractors from roads and parking lots per winter but this year, "we're about double that number." Particularly frustrating has been the frequency of the snowfalls this year, he said. "You get halfway through and it snows again. Then you're right back at the start."

The snow crew also spreads gravel on known slippery areas around campus including stairs and ramps, "but we don't sand

every single pathway. You have to remember that every grain of gravel we spread in winter has to be picked up in the spring because it can clog sprinklers and damage landscaping." Crilly pointed out there are brown self-serve gravel boxes strategically placed around campus that people can use to improve their traction.

He readily admits snow clearing on campus is challenging, and there are complaint calls but "a lot of times, it's a legitimate issue and we just didn't see it or hadn't got to it." That said, he has a couple of pointers for members of the campus community.

The first is to have proper winter footwear because sidewalks and roads do get icy in winter – "high-quality rubber-

soled shoes or boots give you the best traction." He also encourages people to be aware of snow clearing operations.

"Students and staff on foot are often impatient around our equipment. We ask people to be as understanding as possible and give them the room they need to do their work."

The end of this year's snowfall may well be in sight but the inevitable issues of melting are still to come. Snow piles are being moved to a dump on the north edge of campus, he said, and work has started on clearing snow and ice from around catch basin drains and in flood-prone areas of campus. So there are a few more weeks of winter work before the grounds manager can turn his full attention to the green seasons at the U of S. ■

Milburn elected chair, Smith vice-chair of board

At its March 5 meeting, the U of S Board of Governors elected Susan Milburn as chair of the board and Greg Smith as vice-chair. Both appointments are effective immediately and continue until June 30, 2016.

Milburn was first appointed to the board in 2006 and is vice-president of Raymond James Ltd. in Saskatoon. Smith is a partner

in the chartered accounting firm Stark & Marsh in Swift Current. He was appointed to the U of S board in 2007.

"We are in the midst of what I think can be fairly termed interesting and challenging times when it comes to governance at the University of Saskatchewan," said Milburn in a media release. "As a member

of the U15 and one of Canada's leading research institutions, we must continue to move our university forward while at the same time deal with the financial realities of the post-secondary education sector. I very much appreciate the confidence my board colleagues have shown in my ability to take a lead role in these efforts." ■



Milburn



Smith



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Co-operation key to solving water issues

✍️ ASHLEIGH MATTERN

Lake Winnipeg has been battling massive algae blooms for the past 30 years. Agricultural run-off and sewage discharge feed the toxic algae, which has the potential to kill animals and affect human health. And because one of the lake's primary inflows is the Red River, the crisis isn't only an issue for the Province of Manitoba, explains Howard Wheeler, director of the Global Institute for Water Security (GIWS) at the University of Saskatchewan.



Wheater

"The Red River is an international river," said Wheeler. "It runs up from Minnesota into Manitoba, so it's a problem which involves two countries, and within each of those two countries, it involves multiple states in the U.S., and multiple provinces in Canada, multiple federal agencies, and multiple urban and rural communities, and a diverse set of farmers."

The United Nations has declared 2013 the International Year of Water Co-operation, and Lake Winnipeg's algae threat is a perfect example of the need for increased co-operation in water management, said Wheeler. But there are also more examples, closer to home.

Wheater recently chaired an expert panel for the Council of Canadian Academies (CCA) that developed a report to identify the challenges and opportunities for Canadian agriculture regarding water management, and the science needed to move forward. In the report called *Water and Agriculture in Canada: Towards Sustainable Management of Water Resources*, the CCA answered the Agriculture and Agri-Food Canada question, what additional science is needed to better guide sustainable management of water to meet the needs of agriculture?

"The report is quite wide ranging, all the way from climate change to social science," said Wheeler.

The report found there is increasing pressure on water resources, due to irrigation and the effects of nutrients in rivers and ground waters, but there is also a possibility for positive opportunities if the agriculture industry can create beneficial management practices to stymie the problems.

The GIWS is already working on a number of the issues brought forward in the report. The institute is researching beneficial farm management

practices to minimize the release of chemicals to the downstream environment, and studying how a high load of nutrients coming down from Alberta is affecting Lake Diefenbaker.

"There's a need to bring people together to address these problems," said Wheeler.

To that end, the GIWS is developing water resource models for the Saskatchewan River basin that will be of use for researchers, stakeholders, and water managers; and speaking to local First Nations communities to understand their concerns with water quality.

"One of the issues around water is that it affects many of the most important sectors of the economy," said Wheeler. "The link with agriculture and food is critical, but equally it links with energy, and of course we need clean water for drinking ... and not forgetting that water has environmental and spiritual values, too."

Research at the institute goes beyond water management and co-operation, of course. There are 140 members at the institute, with research projects ranging from issues nearby to international projects in Ghana and Bangladesh.

Wheater will be speaking about water challenges and current developments within the institute at a talk on World Water Day March 22 at Convocation Hall. ■

Ashleigh Mattern is a Saskatoon freelance writer

Two workshops from EAC Saskatchewan

Basic Copy Editing

Thursday, 18 April 2013, 9:00 am – 4:00 pm / Western Development Museum, Saskatoon

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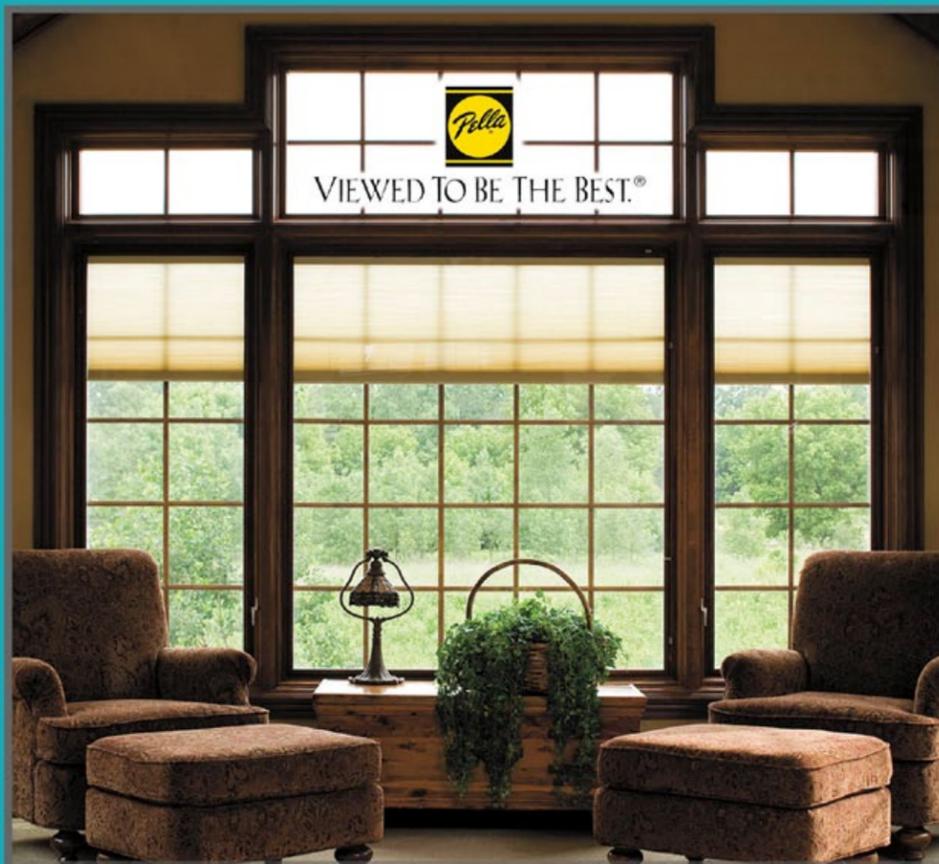
Friday, 19 April 2013, 9:00 am – 4:00 pm / Western Development Museum, Saskatoon

What does it take to be a good proofreader? What skills do you need? What are the standards you should aspire to? This one-day seminar will answer these questions and focus on the all-important process for effective proofreading. Topics include how to mark copy and what to look for, the difference between proofreading and copy editing, and how computers have changed the proofreading process. Whether you want to learn basic proofreading skills, or refresh those skills you've been using for some time, you will benefit from the hands-on exercises and group discussion.



For more information

email saskatchewan@editors.ca or go to www.editors.ca/branches/saskatchewan/index.html



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GSA awards recognize achievement

The University of Saskatchewan Graduate Students' Association (GSA) held its first awards gala March 8, recognizing and celebrating not only the research achievements of students but also the work of faculty and staff who support them.

"The award winners tonight epitomize the extensive work graduate student engage in at various units," said Ehimai Ohiozebau, GSA president. "In essence, today's award goes to all graduate students at the U of S who work constantly trying to find solutions to the unresolved hypothesis and questions of life."

Over 270 students, faculty and staff attended the event. Speakers included U of S President Ilene Busch-Vishniac, Don Morgan, minister of advanced education, and Acting Dean of Graduate Studies and Research Adam Baxter-Jones.

Below is a list of GSA award winners.

Research Excellence in Aboriginal Research:

Maya Basdeo, a master's student in the School of Environment and Sustainability, whose work focuses on the intersection of water issues and First Nations in Saskatchewan.

Research Excellence in Humanities:

Adam Pottle, a doctoral student in English who studies

how persons with disabilities are portrayed in literature, hoping to reduce the stigma of disability and present it as a necessary perspective of humanity.

Research Excellence in the Sciences:

Rita Orji, a doctoral candidate in the Dept. of Computer Science where she focuses on design and evaluation of technological interventions for promoting healthy lifestyle.

Advising Excellence:

Julita Vassileva, professor of computer science who as NSERC Chair for Women in Science and Engineering from 2005-2011, created a program for Aboriginal science outreach called Science Ambassadors.

Excellence in Community Service:

Tracy MacDonald, a PhD candidate in the Toxicology Graduate Program. Her research focuses on using both synchrotron and lab techniques to understand the uptake and accumulation of inorganic mercury in the developing embryo.

Exceptional Course Counsellor Award:

Sarah Purdy, a PhD candidate at the University of Saskatchewan working on materials processing, modifying crystalline materials to grow nanoparticles trapped in solids.

GSA Champion:

Dr. Jay Kalra, a pathology professor who helped revitalize the graduate program in his department, and subsequently served as director of the MSc/

PhD and Clinical/Post-doctoral Fellows Training Program and as program director of the General Pathology and Anatomical Pathology Residency Training Program.

Outstanding Partnership: Student Employment and Career Centre, recognized for its positive ongoing collaboration with the GSA to improve grad student resources. ■

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413-102 KINGSMERE PLACE

Preferred top floor location with south exposure! Built in 2008 this spacious Hawk's Landing condo, 1037 sq ft features spacious kitchen, 2 bedrooms, 2 full baths, all appliances and underground parking. Move-in condition. Building includes large amenities room. \$309,900



More pictures and info www.woutersrealty.com

Scholarship supports research engagement

A new \$40,000 community engagement scholarship for doctoral students, the first of its kind at the University of Saskatchewan, is now open to applicants.

The successful candidate for the scholarship will receive \$20,000 a year in funding (plus \$1,500 in annual research travel funding) for two years toward a community-engaged dissertation project, explained Keith Carlson, special advisor on outreach and engagement. The project will be of interest to a community partner that would play an active role in helping design, deliver and evaluate the research project, he said. This ensures it is meaningful both to the community and to the doctoral student's academic program.

"The U of S has a rich history of community outreach and a growing reputation in community engaged research, and this scholarship speaks to the continued support for work in this area," said Carlson. "Working with the community is a means to creating and advancing scholarship ... and

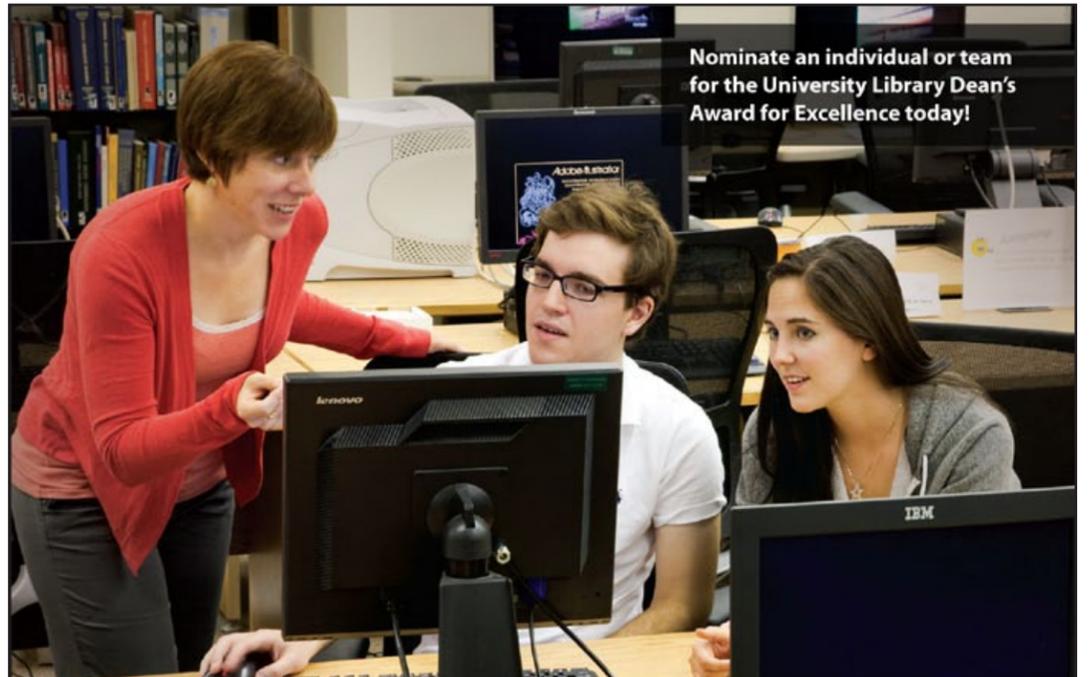
also providing valuable experiences to our students."

The community engagement scholarship is unique among U15 universities, and will help attract top graduate students to the U of S, Carlson said.

"Engagement is already a component of the work of many of our faculty members, and the value it brings to a research project cannot be duplicated through any other method," he said. "It's our hope that this scholarship encourages students to consider how incorporating community partnerships into their research can enrich both the outcomes for the community and the research itself."

Carlson said the scholarship is the first of a series of new community engagement initiatives.

The doctoral scholarship is open to students applying to work with a faculty member in any discipline or interdisciplinary field. Faculty members can apply for the scholarship on behalf of students. The deadline for applications is April 15. For more information, call (306) 966-5760. ■



Nominate an individual or team for the University Library Dean's Award for Excellence today!

University Library Dean's Award for Excellence

Have you received exceptional service/work from a University Library employee or team?

Awards Information

The Awards. Nominate an individual or a team who has demonstrated exemplary service/work fulfilling the library's mission.

The Criteria. All library employees holding continuing appointments are eligible for nomination.

All members of the University Library community (e.g. library employees, patrons, suppliers, etc.) are invited to submit nominations of for the award.

The nomination form may be submitted by an individual or group.

More information on the award and appropriate nomination forms can be found at library.usask.ca or by contacting the Executive Assistant to the Dean at library.ea@usask.ca or 966-6094.

Completed nomination forms must be marked confidential and submitted to the Library Executive Assistant no later than the last working day in March.

library.usask.ca/info/initiatives/deansaward.php

UNIVERSITY OF
SASKATCHEWAN
University Library



MARGOT WIENER

Meeting the president

President Ilene Busch-Vishniac met a lot of young people on her Feb. 27 tour to La Ronge, including these boys who were at the Northern Festival square dancing and jigging competition that took place at the Jonas Roberts Memorial Community Centre. The boys were very interested in what it means to be a 'president.' Busch-Vishniac's day also included meetings with the La Ronge mayor, Lac La Ronge Indian Band Chief Tammy Cook Searson and council, U of S faculty, staff and students at NORTEP and Northlands College, alumni, and health region and government representatives.

MULTI-UNIT RESIDENTIAL RECYCLING

We want to hear from you!

Residents, tenants, building managers, and building owners are encouraged to provide their comments on a Multi-Unit Residential Recycling program. This program would be for condominiums, apartments, townhouses and other residential dwellings not currently receiving individual black garbage cart service from the City.

MULTI-UNIT RESIDENTIAL RECYCLING INFORMATION LINE

Provide your comments by calling our Multi-Unit Residential Recycling information line at 306 955-8900 between March 5 and 26 from 9am to 9pm.

ONLINE MULTI-UNIT RESIDENTIAL RECYCLING FORUM & FEEDBACK FORM

Between March 5 and 26, visit saskatoon.ca and click on "M" for Multi-Unit Residential Recycling for information and to provide your comments.

FOR MORE INFORMATION ABOUT THESE COMMUNITY ENGAGEMENT EVENTS:

Visit Saskatoon.ca and click on "M" for Multi-Unit Residential Recycling, or contact Mr. Kelly Goyer at 306 975-2487 or kelly.goyer@saskatoon.ca



Producing weather model the goal of SuperDARN

From Page 1

environment. The ionosphere, the electrically charged layer of the atmosphere, acts like a TV screen for us to watch the space weather."

And what the group watches on the global-sized TV is discussed at an annual conference. "Last year we met in Shanghai; this year we are meeting in Moose Jaw," McWilliams said with a laugh. "So about 75 delegates from around the world will be at the Temple Gardens Mineral Spa at the end of May. But being in Saskatchewan to mark the 20th anniversary is significant because the first SuperDARN workshop with the original three partners, the U.S., France and Canada, was held in Saskatoon

by U of S professor emeritus George Sofko back in 1993."

And after 20 years filled with discoveries on how the space so far above can affect everyday life right here at home, the U of S is still a key partner in the network. "We have five operational radars in the network, so we are one of the larger contributors to the network. We are also responsible for the data distribution to all of the international SuperDARN partners," said McWilliams.

"Ultimately, we want to produce a space weather model that, given the space weather conditions at the Sun, can predict what will happen in the Earth's atmosphere and even on the ground. The final model must be able to deal with processes as big as the solar system and as small as an electron." ■

Around the Bowl

Stephan Milosavljevic has joined the U of S for a five-year term as director for the School of Physical Therapy. Milosavljevic graduated with a BAppSc (Physio) from Curtin University in Perth, Western Australia, and an MPhy (Manips) from the University of Otago in New Zealand where he also completed his PhD.



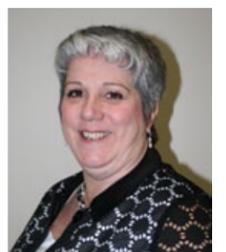
Milosavljevic



Demkiw

In the Office of the President, Julian Demkiw has returned to the U of S in the role of executive assistant to the president. Demkiw, who spent six years as director of planning and administration for Legal Aid Saskatchewan, previously worked in SESD, the College of Engineering and Alumni

Relations. Also joining the office staff is Alyson Rees who came to Saskatoon from the Maritimes and is the administrative assistant to the president.



Rees

Employee Assistance Program

Family Service Saskatoon provides our Employee Assistance Program, a program to support our health and well-being. It is fully funded by the employer and confidential counseling service is available to employees and their families.

The EAP can help with a crisis or other life challenges and changes. The program offers individual, couple and family counseling for a broad range of personal and work related concerns.

For more information, call 966-4300 or visit us at: Room 240, Research Annex, 105 Maintenance Road

Family Service Saskatoon: 653-3327



UNIVERSITY OF SASKATCHEWAN | usask.ca/eap



Interested in governance of the University of Saskatchewan?

Consider offering to join a University Committee

Each year, the Nominations Committee of Council invites University of Saskatchewan faculty members and librarians to step forward and offer to serve on university committees. Our committees are the mechanism through which collegial university governance is achieved. Finding excellent people to serve on our committees is the job of the Nominations Committee. Our terms of reference direct us to find members who are broadly representative of the disciplines of the university. We select nominees for their experience, demonstrated commitment, and potential for a significant contribution to committee functions, and we strive for equity in representation.

Following are the committee vacancies which we are looking to fill for the 2013-14 academic year. We usually try to appoint people for three-year terms.

To volunteer yourself or to nominate someone else:

- download a nominations form from the Council website, or
- email nominations.committee@usask.ca by **Monday, April 1, 2013**

Committee	What does it do?	How often?	Information about expected vacancies
University Council Committees			
Academic Programs Committee	Reviews and approves curricular changes from all colleges, recommends major curriculum changes to Council, oversees policies relating to students and academic programs.	twice a month	Two vacancies
Governance Committee	Reviews Council bylaws including committee terms of reference, develops policies relating to student academic appeals and conduct.	once a month	One vacancy
International Activities Committee	Develops and reviews policies, programming, and strategic directions for international activities and programs.	once a month	One vacancy
Nominations Committee	Nominates GAA and Council members for university committees and panels	as required	Six vacancies for members of council
Planning & Priorities Committee	Reviews and advises Council and the university administration on planning, budgeting, and academic priorities.	twice a month	Five vacancies (including dean)
Research, Scholarly & Artistic Work Committee	Reviews and advises Council on issues related to research, scholarly and artistic work including advising on research grant policies and the establishment of research centres.	twice a month	Two vacancies
Scholarships & Awards Committee	Grants awards, scholarships and bursaries which are open to students of more than one college or school, advises Council on scholarship and awards policies and issues.	as required	Five vacancies
Teaching, Learning & Academic Resources Committee	Proposed merged committee. Reviews and advises on pedagogical issues, support services for teaching and learning and policy issues on teaching, learning and academic resources.	twice a month	Number of vacancies depends on whether merger is approved.
Vice-Chair of Council	The Nominations Committee of Council nominates a Council member to serve as Vice-Chairperson. The Vice-Chair is a member of the Policy Oversight Committee.		Vacant
Collective Agreement Committees			
University Review Committee	Reviews College recommendations for awards of tenure, renewals of probation, and promotions to Professor. Its recommendations are made to the President.	frequently November to March	Seven vacancies Terms will be staggered.
Renewals And Tenure Appeal Panel	From this roster are selected the members for Sabbatical Appeal, Promotion Appeal, and Tenure Appeal Committees, and for the President's Review Committee.	variable	17 vacancies Tenured faculty with experience on a tenure committee, who have not served on the University Review Committee in the past three years
Other Committees			
Student Academic Hearing and Appeals Panel	Faculty representatives for hearing boards for student discipline and appeals are selected from this panel.	variable	Eleven vacancies for members of Council
Senate Roundtable on Outreach and Engagement	This is an initiative of the Foundational Document on Outreach & Engagement. It includes four faculty representatives.	variable	Two vacancies
Recreation and Athletics Advisory Council	Recommends on recreation and athletic fees charged to students and reviews reports on expenditures.	variable	One vacancy

If you have questions about any of the committees listed above, please ask a member of the Nominations Committee for more information:

Nominations Committee of Council:		Phone		
Bev Pain (Chair)	Curriculum Studies	5843	Ed Krol	Pharmacy & Nutrition 2011
Dwayne Brenna	Drama	5185	Jack Gray	Biology 4437
Angela Bowen	Nursing	8949	Venkatesh Meda	Chemical and Biological Engineering 5309
Claire Card	Large Animal Clinical Sciences	7102	Terry Wotherspoon	Sociology 6925
Bruce Coulman	Plant Science	1387	Cathie Fornssler	Secretary 5036

For more information, visit usask.ca/university_secretary/council/committees/nominations or call **966-5036**

Coming Events

■ Courses/Workshops

Library Workshop Series for Scientists and Engineers

The University Library is offering free workshops for scientists and engineers, but all are welcome to attend. All workshops will take place from noon-1 pm in the Delta Lab, 2B04 Engineering. No registration is necessary. For more information call 966-5978 or 966-1913

- March 26, Open Access: Learn about author's rights and discover how to make your publications more accessible to readers: open access journals and repositories.

Managing Your References

The University Library is offering free, one-hour workshop throughout the semester for those who want to learn how to use RefWorks to save time and stay organized. No registration necessary.

- Mar. 15, 11:30 am, Murray Bldg., Room 161
- Mar. 26, 2:30 pm, Murray Bldg., Room 161

Advising Workshops

The Gwenna Moss Centre for Teaching Effectiveness (GMCTE) presents a series of workshops to assist those who advise students on academic plans and decision processes. Full details about each session can be found on the GMCTE website.

- April 2, 9:30-11 am and April 3, 1-2:30 pm, Protecting Privacy in Academic Advising. In this session, learn the definition of personal information and learn the basic rules for access and for denial of access.

Centre for Continuing and Distance Education

For more information, visit www.ccde.usask.ca or call 966-5539

Business and Leadership Programs

- The Seven Habits of Highly Effective People, March 19-20
- Managing Conflict, Level I, March 27-28
- Life Balance Leadership, April 9
- In Search of the 2nd Right Answer, April 11
- Advanced Presentation Skills, April 17
- The Power of Working Visually, April 18
- International Certification of Mentoring – Level 1, May 14

USCAD Winter Classes

- Glass Fusion II, April 6, 7
- Glass Fusion III, April 27, 28

Master Gardeners

- Safe Use of Pesticides and Alternatives (MGCC), April 13, 9-noon; \$39.00 + GST
- Hypertufa Containers, April 13, 1-4 pm; \$39.00 + GST + \$11.55 materials fee
- New to Zone 2, April 13, 7-9:30 pm, Instructor: Egan Davis, CBC Radio Horticulturist
- Communications (MGCC), April 14, 9 am-4 pm; \$59.00 + GST
- Garden Fundamentals (MGCC), April 27 and April 28, 9 am-4 pm; \$84.00 + GST

Community Music Education Program

Private lessons in guitar, traditional piano, Suzuki piano and violin are offered. Contact Nicole Wilton Elliott at 966-5625.

U of S Language Centre Programs

- Part-time English Classes for studies or employment. Placement testing and registration for spring term on now. Call 966-4351 or go to ccde.usask.ca/PTESL
- Pronunciation: Thursdays, April 4 – June 6
- Spoken English: Tuesdays and Thursdays, April 9 – May 30
- Writing and Grammar: Mondays & Wednesdays, April 8 – June 3
- Graduate-Level Writing: Mondays & Wednesdays, April 8 – June 3
- Reading Skills: Tuesdays, April 9 – May 28
- Listening and Note taking Skills: Thursdays, April 11 – May 30
- Multilingual Conversational Language Classes, April 8 to June 3
- French levels 1 to 6: \$195 (GST exempt)
- Italian Level 1 & 2: \$204.75 (GST exempt)

- Spanish Levels 1 to 5: \$204.75 (GST exempt)
 - German Levels 1 & 2: \$204.75 (GST exempt)
 - Japanese Levels 1 & 2: \$204.75 (GST exempt)
- Textbooks and workbooks are extra. Register at ccde.usask.ca/learnlanguages or call 306-966-4351.

Educational Travel

For more information see ccde.usask.ca/edours

- Athabasca Sand Dunes Wilderness Ecology Camp July 7-12 with tour guides Greg Fenty and Melanie Elliott. Cost: \$2050. Information night March 26, 7-8:30 pm in Room 306, 221 Cumberland Ave N.
- Churchill Manitoba Polar Bear Ecology Family Tour with Susan Blum Nov. 7-14. Cost: \$2495 adult, \$2195 child under 12 years (includes GST).

Gwenna Moss Centre for Teaching Effectiveness

For more information and to register for workshops visit usask.ca/gmcte.

- March 20, 2-5 pm, Mindfulness Training to Enhance Student Learning: An Experiential Workshop with Trish Dowling, WCVM
- March 27, 2 - 3:30 pm, Working with TA's to Enhance Student Learning with Kim West, GMCTE

WSEP Safety Training Courses

Register at usask.ca/wsep/web_course

- Biosafety: classes available online
- Fire Safety: May 28, 1:30-3:30 pm
- Standard First Aid with CPR A: April 24 and 25, 8 am-4:30 pm
- Laboratory Safety: April 15, May 22, 8:30 am-4 pm
- Laboratory Safety for undergrad students: May 2, May 10, May 13, 8:30 am-4:30 pm
- Radiation Safety: April 11, 8:30 am-4 pm
- Safety Orientation for Employees: March 27, 1-4 pm; April 10, 8:30-11:30 am
- Safety Orientation for Supervisors: April 22, 9-noon; June 17, 1-4 pm
- Transportation of Dangerous Goods (Receiver): June 17, 11-noon
- Transportation of Dangerous Goods by Air/Road (Shipper): March 21, 8:30 am-4:30 pm

Edwards School of Business Executive Education

For information call 966-8686, email execed@edwards.usask.ca or visit edwards.usask.ca/execed

- March 18-20, The Project Management Course
- March 21, Spring Forward: Grandey Leadership Luncheon
- April 10-12, The Business Analyst's Course, Regina
- May 31 – June 7, The Effective Executive Leadership Program, Waskesiu
- June 24-26, The Project Management Course, Regina

ICT Training Services

For information or to register, email training@usask.ca or visit training.usask.ca

- Adobe Illustrator - Introduction, April 9 and 11, 1:30-4:30 pm, \$125 students, \$150 staff and faculty; \$185 others
- Adobe Illustrator - Intermediate, March 19 and 21, 1:30-4:30 pm, \$125 students, \$150 staff and faculty; \$185 others
- Adobe Photoshop - Introduction Course, April 2 and 4, 1:30-4:30 pm, \$125 students; \$150 staff and faculty; \$185 others
- Adobe Photoshop - Intermediate Course, March 20 and 27, 1:30-4:30 pm, \$125 students; \$150 staff and faculty; \$185 others
- Adobe Photoshop - Photo Retouching Course, April 17, 1:30-4:30 pm, \$75 students; \$100 staff and faculty; \$125 others
- Adobe Photoshop - A Photographer's Workflow, March 28, 1:30-4:30 pm, \$75 students; \$100 staff and faculty; \$125 others

- iPad Tips and Tricks (iOS 6), April 16, 2-3:30 pm, \$0 students; \$50 staff and faculty; \$75 others
- Make the Most of Your Mac - Introduction, April 3, 2:30-4 pm, \$0 students, staff and faculty; \$75 others
- MS Excel - Fundamentals, March 26 and 28, 9-noon, \$125 students; \$150 staff and faculty; \$185 others
- MS Outlook - Fundamentals Plus, March 26, 1:30-4:30 pm, \$75 students; \$100 staff and faculty; \$125 others
- MS Word - Footnotes/Figures/Master Documents Seminar, March 22, 1:30-3 pm, \$0 students; \$50 staff and faculty; \$75 others
- MS Word - Styles / Outlining / TOC's Seminar, April 5 OR April 12, 1:30-3 pm, \$0 students; \$50 staff and faculty; \$75 others
- MS Word - Fundamentals Plus, March 26 and 28, 9-noon, \$125 students, \$150 staff and faculty; \$185 others
- Faculty Workshops: contact training@usask.ca or 966-4866 for more information on these workshops geared to faculty.
- Online Training Library: enquire about the purchase of Pro Licenses for access to training videos.
- IT4U – Computer Training and Support for Students, contact <http://it4u.usask.ca>
- Many courses are available to off-campus users. Visit training.usask.ca for more information.

■ Miscellany

STMSU Banquet and Ball

The St. Thomas More College Students' Union will hold its banquet and ball March 23 starting at 5:30 pm to celebrate the end of the school year and graduation. Students, staff, faculty, friends and family are welcome to attend. Tickets are on sale in the Arts Tunnel and the STM cafeteria. Visit www.stmsu.ca for more information.

World Water Day

The Global Institute for Water Security in partnership with the Canadian Water Resources Association and Engineers Without Borders will present a World Water Day paper and poster event March 22 starting at 8:30 am in Physics 175. The theme of the event is Water Issues at Home and Abroad.

Breakfast with the President

Ilene Busch-Vishniac is hosting President's Breakfasts at the University Club starting at 7:30 am on the following dates in March and April: March 22, April 5, April 12, April 26. Please call 966-7775 to make a reservation.

Alumni of Influence

The College of Arts and Science is holding its annual Alumni of Influence Dean's Dinner and Awards Ceremony March 15 starting at 5:30 pm at TCU Place. This year's even will honour Sarah Carter BA'76, MA'81; Len Edwards BA'67, MA'69; Tim Gitzel BA'86, LLB'90; Allen Harrington BMus'99; Mary Houston BA'47, BEd'50; Thomas Mackie BSC'80; Mark Mullins BA'84; Sandra Pyke BA'58, MA'61; and Gerald Schmitz BA'73, MA'75. For more information or to reserve tickets, contact Teri Olson at 966-6388 or email teri.olson@usask.ca

■ The Arts

Author Reading

The MFA in writing program presents fiction and creative non-fiction author J. Jill Robinson giving a reading March 25 at 7 pm in Arts 207. The event is free and open to the public.

Much Ado About Nothing

The Newman Players presents *Much Ado About Nothing*, Shakespeare's famous rom-com featuring a battle of the sexes, wild rumours, mistaken identities, charming songs, plot twists and happy endings on March 15 and 16 at 7 pm and March 17 at 2 pm in the Fr. O'Donnell Auditorium at STM. Tickets available at www.picatic.com/muchado or at the door. For more information call 966-8946.

Glee Club Concert

The Newman Sounds Glee Club presents its spring show entitled *Songs of Love & Heartache* March 24 at 1 pm in the Fr. O'Donnell Auditorium at STM. Tickets are \$5 and will be available at the door. For more information call 966-8946.

Status Quo screening

There will be a film screening and discussion of *Status Quo: The Unfinished Business of Feminism in Canada* March 21 at 5 pm in the Georgia Goodspeed Theatre, Room 18, Edwards School of Business. The documentary focuses on key concerns like violence against women, reproductive rights and universal childcare and how much progress has been made on these issues.

Traces

There will be a closing reception March 15 from 7-9 pm in the Gordon Snelgrove Gallery for *Traces*, a new body of work by Donna Bilyk that uses images, interviews and artifacts collected from seniors home residents as source materials.

A Sense of Place

On view on the first floor of the Murray Library until April 26 is *Saskatchewan: A Sense of Place* which includes a wide variety of materials from the province's early history, including immigration brochures, postcards, newspapers, local history books and event posters as well as some of the most famous Saskatchewan-themed literature.

Elixir Ensemble Concert

The Elixir Ensemble presents France Par Excellence March 30 at 7:30 pm in Convocation Hall featuring works by Widor, Mozetich and Chausson. Tickets are available at elixirensemble.com

Kenderline Exhibition

Continuing until April 27 in the Kenderline Art Gallery in the Agriculture Building is *Souvenir Involontaire*, work by Melanie Rocan.

On Stage

Greystone Theatre presents *Into the Woods*, with music and lyrics by Stephen Sondheim, March 20-23. Based on the book by James Lapine and directed by Julia Jamison, this evening of musical theatre takes Grimm's fairytale characters on a journey through an enchanted forest to explore the other side of happily ever after. Visit the Greystone website for show times and ticket information.

College Art Galleries

On view until May 4 in the College Art Galleries in the Peter MacKinnon Building is *Janet Werner: Another Perfect Day*. Curated by Kent Archer, the exhibition highlights Werner's fictionalization of time, place and memory as her subjects are invented, adapted, distorted and localized in new contexts and the drama of her paintings.

■ Seminars/Lectures

Philosophy Lecture

- March 15, 3:30 pm, ESB 103 (Edwards School of Business), Arthur Ripstein, Faculty of Law and Department of Philosophy, University of Toronto, presents Not on the Merits: Understanding the Morality of War

Dean's Speaker Series

- March 26, 4-5:30 pm, Room 18 Edwards School of Business, Ken Kosolofski, president and CEO of Concentra Financial, will give the next presentation in the Edward's School of Business Dean's Speaker Series, co-sponsored by the Centre for the Study of Co-operatives. His address is entitled Concentra and the Resurgence of the Financial Co-operative Model.

English Lecture

- March 15, 3:30 pm, Arts 212, Jes Battis, University of Regina, presents "'Tis No Crime to be Bashful": Anxiety and the Autistic Spectrum, from Margaret Cavendish to "The Big Bang Theory"

Planner in Residence Lecture

- March 20, 7 pm, Roxy Theatre, the 2013 U of S Planner in Residence Larry Beasley will give a free public lecture entitled Sustainable and Healthy New Neighbourhoods. Beasley is the former chief planner for the City of Vancouver and the founding principal of Beasley and Associates. For more information, contact Bob Patrick, chair of the Regional and Urban Planning Program, at (306) 966-6653 or robert.patrick@usask.ca

Literature Matters Talk

- March 20, 7:30 pm, Social Hall, Grace Westminister United Church, Kevin Flynn, Dept. of English, presents How to Read Poetry

Co-operatives, Co-operation and Peace

- March 20, 7-9 pm, Multipurpose Room at Station 20 West, 1120 – 20th Street West, the Centre for the Study of Co-operatives and the Saskatoon Peace Coalition present Ian MacPherson, director of the Co-operative Initiative for Peace and Social Inclusion at the Centre for Co-operative and Community-Based Economy, University of Victoria, and Scott Kim, a visiting researcher at the Centre for the Study of Co-operatives who will give a seminar entitled Co-operatives, Co-operation and Peace.

Architecture Symposia

- The School of Architecture Working Group at the U of S is hosting a series of symposia to explore ideas around architecture education and innovation. For complete details, visit archusask.ca/home
- March 17 and 18 – Architecture is ... design thinking and teaching

Fine Arts Lecture Series

- March 28, 7:30 pm, Convocation Hall, Donna Goodridge, professor of nursing and acting assistant dean for graduate studies, College of Nursing, presents Invoking Apollo: Exploring the Therapeutic Potential of Music Within Health Care
- April 30, 7:30 pm, Frances Morrison Library auditorium, Walter Kreyszig, Dept. of Music, presents Organology, the Key to Composition, Acoustics, Theory, Historiography, Pedagogy, Performance Practices, and Iconography: Johann Joachim Quantz (1697 - 1773) as a Pioneer of Interdisciplinarity

Idle No More Series

- The College of Arts and Science and the Indigenous Students' Council presents a discussion series about Idle No More. Full details are on the college website.
- March 18, 3:30-5:30 pm, Arts 143, INM: Inequities in Indigenous Education in Saskatchewan
- March 25, 3:30-5:30 pm, Arts 143, Law, Policy, Treaty Rights and INM
- April 3, 1:30-3:20 pm, Thorvaldson 105, What Can the University Learn from INM?

WCVM Lectures

- March 19, 12:30 pm, WCVM 2104, Dr. Suzanne Millman, associate professor of animal welfare at Iowa State University, presents the DLT Smith Short-Term Visitorship lecture entitled Addressing painful procedures in livestock production – interface between science, policy and practice.

JSGS Events

- Visit www.schoolofpublicpolicy.sk.ca for details and to register
- March 25, 1:30-3 pm, Stephen Blank, Fulbright Chair of Governance and Public Administration, University of Ottawa, presents NAFTA: the Next steps are Big steps

World Water Day Lecture

- March 22, 4 pm, Convocation Hall, Howard Wheeler, director of the Global Institute for Water Security, presents Water Security in Western Canada: Progress and Prospects, highlights of the institute's first two years and plans for future research on a global scale.

Microbiology and Immunology

- 4-5 pm, Room B3 Health Sciences Bldg. March 28, Sylvia van den Hurk, Dept. of Microbiology and Immunology, presents Prevention of pediatric respiratory syncytial virus infections: new opportunities for vaccine development
- April 4, Peter Bretscher presents Immunity and Anti-Immunity

Geography and Planning Colloquia

- Fridays at 3:30 pm in Room 146 Kirk Hall
- March 15, Natalie Ludlow presents Spatiotemporal mortality patterns of Hamilton, Ont: 1881 and 1911
 - March 22, Anastasia Petrenko presents Development of 3D navigable networks for U of S campus
 - March 29, Al Morrison presents Identifying the paleo-influence of beaver on mountain peatlands

Conferences**CurioCity**

The U of S Planning Students' Association will host a two-day urban ideas symposium called CurioCity March 22-23 on campus. The event, which is open to the public, will bring together academic professional and community urban enthusiasts to celebrate the urban workings of Saskatoon through presentations, workshops and discussions. Complete details can be found at www.curioctyqh.com

Aboriginal Mental Health Research Day

The Dept. of Psychiatry presents its Academic Research Day on Aboriginal Mental Health March 22 in the Saskatoon City Hospital theatre. Speakers include Austin Tootoosis from the Truth and Reconciliation Commission and Laurence Kirmayer from McGill University. Topics include effects of history on mental health and importance of culture in treatment. Contact Patricia Thompson at 966-8223 or pat.thompson@usask.ca. Registration is \$75.

Undergraduate Chemistry Conference

The 27th annual Western Canadian Undergraduate Chemistry Conference will be held May 9-11 at the U of S with research presentations in the areas of chemistry, biochemistry and educational chemistry by students from across Western Canada. Details can be found at www.usask.ca/wcucc

Oncology Conference

Continuing Professional Learning, College of Medicine, Continuing Education and Development for Nurses, and the Saskatchewan Cancer Agency present Oncology Conference April 12 and 13 at the Saskatoon Travelodge Hotel. For information and to register, visit www.usask.ca/cme/ or call (306) 966-7795.

Breaking the Silence 2013

The 16th annual Breaking the Silence Conference takes place March 22-24 and includes a presentation March 22 at 7 pm in the Broadway Theatre by Jon Cornish, Calgary Stampeder running back, entitled This is My Story. The conference continues March 23 in the Edwards School of Business with plenary sessions and workshops and concludes March 24 with a 10:30 am worship gathering at St. Andrews College Chapel. For program details, visit usask.ca/education/breaking-the-silence

Leadership Conference 2013

Leadership Conference 2013: Leverage Your Leadership Edge takes place May 8 and 9 at TCU Place in Saskatoon. Keynote speakers include Ken Blanchard, Jeremy Gutsche and Rick Mercer. For more information, go to www.leadershipconference.usask.ca

Submit Coming Events

Next OCN: Thurs., March 28, 2013
Deadline: Thurs., March 21, 2013
ocn@usask.ca, fax 966-6815
or use web submission form at www.usask.ca/ocn

Innovation will help build Canadian economy

From Page 4

nologies that ensure food safety through new processing and packaging, may ensure consumer acceptance of the new products.”

Beachy also recognizes the role of researchers in other disciplines such as engineering and human and animal nutrition in developing new uses for agricultural products. He recounted an example of a product developed by materials engineers using wheat straw and soy meal that made a credible facsimile of a granite counter top. Adding plant breeders and biochemists with additional ideas to the team might lead to other new products.

It is the institute's goal to not only foster these new innovations, but also help them stay in Canada to build the country's economy. He said universities

can do what industry cannot – work far upstream on discovery research. Industry, in turn, can bridge the gap from discovery to market, ensuring society benefits.

First, though, the new institute must be properly set up, staffed and operated.

“GIFS will grow with time,” Beachy said. “We have to first establish who and what we are. GIFS is, thus far, a vision and a mission. We need to add many more people with wisdom, knowledge and a variety of skills to make that vision a reality.

“In the next several months, we will identify GIFS research initiatives and the types of scientists needed to complement existing U of S strengths to reach our goals. We expect to announce opportunities to apply for grants through GIFS later this year.” ■

Isotope facility testing set to start

Scientists at the Canadian Light Source (CLS) synchrotron are ready to test the Medical Isotope Project (MIP) facility after receiving a commissioning licence from the Canadian Nuclear Safety Commission.

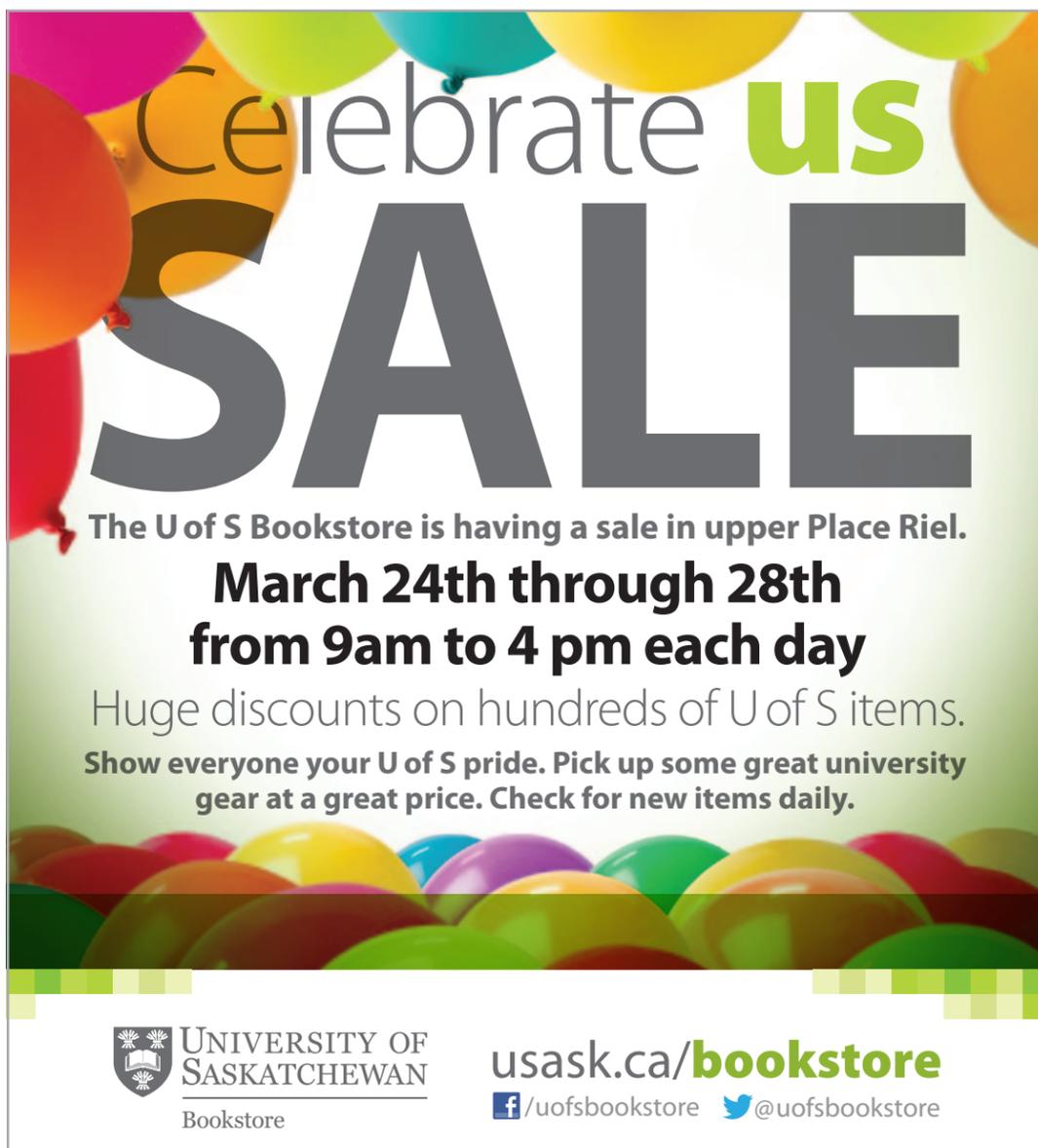
A CLS release said the new facility will now undergo testing

to ensure the it is ready to produce medical isotopes using X-rays from a particle accelerator instead of a nuclear reactor.

The MIP particle accelerator bombards a target made of molybdenum-100 metal with high-energy X-rays. The X-rays knock a neutron out

of the nuclei of some atoms, converting them to the isotope molybdenum-99, which decays into the technetium-99m that is used for tagging radiopharmaceuticals.

Technetium-99m is used in about 5,500 medical scans daily in Canada. ■



Celebrate **us**
SALE

The U of S Bookstore is having a sale in upper Place Riel.
March 24th through 28th
from 9am to 4 pm each day

Huge discounts on hundreds of U of S items.
Show everyone your U of S pride. Pick up some great university gear at a great price. Check for new items daily.

 UNIVERSITY OF SASKATCHEWAN
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 UNIVERSITY OF SASKATCHEWAN

The Gwenna Moss Centre for Teaching Effectiveness

We Are All Treaty People

Online Treaty Module
Faculty and Staff Professional Development

We all come to treaty education from different places.

Some of us may have a very sound understanding of treaties but most of us have had little formal treaty education. Regardless of our past we now have an opportunity to increase our knowledge by taking advantage of this online module.

In conjunction with the Vice-Provost Teaching and Learning, the Office of the Provost and a number of other on-campus partners, the **GMCTE has developed a training module to help faculty and staff learn about the importance of treaties in Saskatchewan (and Canada), and why they matter for our activities on campus.**

This module is comprised of:

- An online component, which takes approximately an hour and a half to three hours to complete; and
- a three hour face-to-face workshop.

Workshop dates are Tuesday, March 26 and Monday, April 29. Please sign up for the session of your choice at:
usask.ca/gmcte/services/indigenous_education/treaties

For more information, please call 966-2231

Sneak peek

This year, *On Campus News* is using the back page to explore places on campus that are off the beaten path—often behind locked doors—and to introduce you to the people who work in them. Suggestions for this feature are always welcome; email ocn@usask.ca



Safe and sound

In the nerve centre of Campus Safety, Special Constable Ed Barqueras takes calls, emergency and otherwise, dispatches officers when necessary, covers the front desk and monitors most of the main areas of campus via closed circuit TV (CCTV). The operations centre also monitors door alarms as well as mechanical alarms equipment and systems after hours.

Working in Campus Safety's main office in the Animal Science Building on Campus Drive is a job all of the department's 24 patrol members take turns at when they're not out and about in their vehicles and on foot keeping the peace across the U of S campus.

Barqueras said the CCTV monitors, which number more than 300, give Campus Safety a view of some of the busiest locations on campus, and can provide valuable information when officers investigate incidents. CCTV can also be entertaining at times. "We've seen a lot of make-out sessions and people running around the halls half naked in residence," said Barqueras, "but that's not against the law."



**Campus Safety
Special Constable
Ed Barqueras**



Special Constable Barqueras will provide a video tour of his other office – a Campus Safety patrol vehicle – in the March 22 e-newsletter On Campus Now.