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.

A lab the size of outer space
SuperDARN celebrates 20 years

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, associate professor of physics and engineering physics.

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 environment.”
Medical metaphors
Delbaere compares pharmaceutical ads aimed at doctors and consumers

By 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.”

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 pervasive 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; 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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Metaphors are effective because they make abstract things concrete.

Marjorie Delbaere

Marjorie Delbaere, associate professor of marketing
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 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, for sure is when and how they'll end it," said Provost Brett Fairbairn. "Once they get going, they will organize their own work."

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 257 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 our current is it's less than thousands." A data team has begun collecting 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."

On March 5, President Ilene Busch-Vishniac announced the membership to two task forces that will spend the next seven or eight 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 members of the support service task force were selected after a campus-wide nomination process.

Academic Program Transformation Task Force

Scott T. Adams, undergraduate, College of Arts and Science
Sina Adl, head, Dept. of Soil Science
Dr. Paul Boyns, head, Dept. of Medical Imaging
Beth Bilson, professor, College of Law
Ralph Deter, professor, Dept. of Computer Science
Pamela Downe, head, Dept. of Archaeology and Anthropology
Markus Haecker, assoc. professor, School of Environment and Sustainability
Eric Hone, professor, Dept. of Economics
Lisa Kalyanchuk, professor, Dept. of Medicine
John Klassen, assoc. professor, College of Law
Dean Kolb-Hinson, professor, College of Dentistry
Ed Krol, assoc. professor, College of Pharmacy and Nutrition
Karen Lawson, professor/anos, head, Dept. of Psychology
Charles Maule, professor, Dept. of Chemical and Biological Engineering
Vinko Kokal, assoc. professor, Dept. of Chemical and Biological Engineering
Pat Remhan, professor, Dept. of Educational Administration
John Rigby, assoc. professor, Dept. of Management and Marketing
Jaywant Singh, professor, Dept. of Veterinary Biomedical Sciences
Jim Steck, professor, Dept. of Physics and Engineering Physics
Jessie Stevens, 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
Illina Aitken, director, College of Engineering/government relations, President’s Office
Mitchell Anderson, student, St. Andrew’s College
Yuning Bai, professor, Dept. of Plant Sciences
Jan Baxter-Jones, co-ordinator, FID financial officer, College of Pharmacy and Nutrition
Scott Bell, professor, Dept. of Geography and Planning
Janice J. Chilton, PhD student, School of Environment and Sustainability
Ken Coutts, professor, Johnson-Shoyama School of Public Policy
James Cook, business opportunities manager, Corporate Administration
Barb Gilling, chief financial officer/director of operations, College of Arts and Science
Jim Handy, head, Dept. of History
Colleen Macdonald, project governance director, FMD
Erling Modsen, technician/stores manager, College of Pharmacy and Nutrition
Alexander Moews, professor, Dept. of Physics and Engineering Physics
Dwayne O’Connor, professor, College of Law
Laurel O’Connor, international research and engagement, Office of the VP Research
Candice Peters, director, College of Agriculture and Bioresources
Erica Smid, telecommunication, Johnson-Shoyama School of Public Policy
Kevin Schneider, professor, Dept. of Computer Sciences
Lisa Shepard, manager, Strategic Enrollment Management Project, College of Engineering/ admissions and transfer credit manager, SED
Monisha Shukla, direct., Information & Communications Technology
Brad Stevens, operations director, Council of Health Sciences Deans
Jim Travers, finance and trusts director, University Advancement
Bob Tyler, professor, Dept. of Food and Biosciences
Brad Upholcher, program director, Genesis Milky Centre for Teaching Effectiveness

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 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.

Patrick Hayes, u of s archives

View from above
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.

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 Saskatchewan-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, aware and supportive of our work to explore the concept further, 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.

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 forward. In addition, the University of Saskatchewan and the SAA have worked collaboratively to explore the concept further. The University of Saskatchewan and the SAA have worked collaboratively to explore the concept further.

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 component of the diet of many people in 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,” said. “There’s an interesting balance here.”

Knowledge, and the science 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

Creating a niche in food security

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nutrientists 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. “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-n

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

On Campus News

The OCN is published 18 times per year by University of Saskatchewan Communications. It is distributed to all of U of S faculty, staff, graduate students and members of governing bodies, as well as to others in the university community and related organizations, some Saskatchewan government officials and news media. Subscriptions are available for $20 per year. Story 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.

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Brian Kachur, Pierre Wilkinson

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Letter

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The snow man
Darren Crilly and team battle winter on campus

Darren Crilly, U of S grounds manager

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 shovelers from the Facilities Management Division (FMD) are responsible for clearing the snow from 25 kilometres of roads and pedestrian paths as well as from sidewalks and 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 heavily 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 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 impatience 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. It concerns 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.”
Basic Proofreading

Two workshops from EAC Saskatchew an

Basic Copy Editing

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

Copy editing makes a good publication better. A copy editor can improve any document by eliminating errors, addressing grammar problems, and ensuring consistent style. This course is for people who want to develop the skills that professional copy editors need. Topics include assessing your copy editing aptitude, using editing marks, watching for mistakes in spelling and punctuation, striving for accuracy, preparing style sheets, and electronic copy editing.

Basic Proofreading

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.

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 effect 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 Wheater, director of the Global Institute for Water Security (GIWS) at the University of Saskatchewan.

“There’s a need to bring people together to address these problems,” said Wheater.

“... and not forgetting that water has environmental and spiritual values, too.”

“Some of the issues around water is that it effects many of the most important sectors of the economy,” said Wheater. “The link with agriculture and security 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 on a number of the issues the institute 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.

“There’s a need to bring people together to address these problems,” said Wheater.

“... and not forgetting that water has environmental and spiritual values, too.”

Ashleigh Mattern is a Saskatoon freelance writer. For more information email saskatchewan@editors.ca or go to www.editors.ca/branches/saskatchewan/index.html

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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.
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 community engagement initiatives.

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.

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 levels,” said Ehimai Ohzoobei, 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 Hélène Bouch-Vasniac, 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 synthetic and lab techniques to understand the uptake and accumulation of inorganic mercury in the developing embryo.

Exceptional Course Counselor Award: Sarah Purdy, a PhD candidate at the University of Saskatchewan working on materials processing, modifying crystal-line materials to grow nanoparticles trapped in solids.

603 CLARENCE AVENUE SOUTH
Great location. Walking distance to U of S and Broadway Ave. 2 bedrooms on main, family room and den in the basement. Hardwood flooring and lots of upgrades including kitchen with heated ceramic tile floor, light fixtures, some windows, siding, fascia, doors, furnace, wiring and plumbing. Nice yard with 300 sq ft deck. 5 appliances included. $269,900

413-102 KINGSMERE PLACE
Scenic 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

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

Family
Service

University of Saskatchewan

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 Sodko 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.”

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 jiggling 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

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 BAppSci (Physio) from Curtin University in Perth, Western Australia, and an MPhty (Manips) from the University of Otago in New Zealand where he also completed his PhD.

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

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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

### University Council Committees

<table>
<thead>
<tr>
<th>Committee</th>
<th>What does it do?</th>
<th>How often?</th>
<th>Information about expected vacancies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Programs Committee</td>
<td>Reviews and approves curricular changes from all colleges, recommends major curriculum changes to Council, oversees policies relating to students and academic programs.</td>
<td>twice a month</td>
<td>Two vacancies</td>
</tr>
<tr>
<td>Governance Committee</td>
<td>Reviews Council bylaws including committee terms of reference, develops policies relating to student academic appeals and conduct.</td>
<td>once a month</td>
<td>One vacancy</td>
</tr>
<tr>
<td>International Activities Committee</td>
<td>Develops and reviews policies, programming, and strategic directions for international activities and programs.</td>
<td>once a month</td>
<td>One vacancy</td>
</tr>
<tr>
<td>Nominations Committee</td>
<td>Nominates GAA and Council members for university committees and panels.</td>
<td>as required</td>
<td>Six vacancies for members of council</td>
</tr>
<tr>
<td>Planning &amp; Priorities Committee</td>
<td>Reviews and advises Council and the university administration on planning, budgeting, and academic priorities.</td>
<td>twice a month</td>
<td>Five vacancies (including dean)</td>
</tr>
<tr>
<td>Research, Scholarly &amp; Artistic Work Committee</td>
<td>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.</td>
<td>twice a month</td>
<td>Two vacancies</td>
</tr>
<tr>
<td>Scholarships &amp; Awards Committee</td>
<td>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.</td>
<td>as required</td>
<td>Five vacancies</td>
</tr>
<tr>
<td>Teaching, Learning &amp; Academic Resources Committee</td>
<td>Proposed merged committee. Reviews and advises on pedagogical issues, support services for teaching and learning and policy issues on teaching, learning and academic resources.</td>
<td>twice a month</td>
<td>Number of vacancies depends on whether merger is approved.</td>
</tr>
<tr>
<td>Vice-Chair of Council</td>
<td>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.</td>
<td></td>
<td>Vacant</td>
</tr>
</tbody>
</table>

### Collective Agreement Committees

<table>
<thead>
<tr>
<th>Committee</th>
<th>What does it do?</th>
<th>How often?</th>
<th>Information about expected vacancies</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Review Committee</td>
<td>Reviews College recommendations for awards of tenure, renewals of probation, and promotions to Professor. Its recommendations are made to the President.</td>
<td>frequently November to March</td>
<td>Seven vacancies Terms will be staggered.</td>
</tr>
<tr>
<td>Tenure Appeal Panel</td>
<td>From this roster are selected the members for Sabbatical Appeal, Promotion Appeal, and Tenure Appeal Committees, and for the President’s Review Committee.</td>
<td>variable</td>
<td>17 vacancies Tenured Faculty with experience on a tenure committee, who have not served on the University Review Committee in the past three years</td>
</tr>
</tbody>
</table>

### Other Committees

<table>
<thead>
<tr>
<th>Committee</th>
<th>What does it do?</th>
<th>How often?</th>
<th>Information about expected vacancies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Academic Hearing and Appeals Panel</td>
<td>Faculty representatives for hearing boards for student discipline and appeals are selected from this panel.</td>
<td>variable</td>
<td>Eleven vacancies for members of Council</td>
</tr>
<tr>
<td>Senate Roundtable on Outreach and Engagement</td>
<td>This is an initiative of the Foundational Document on Outreach &amp; Engagement. It includes four faculty representatives.</td>
<td>variable</td>
<td>Two vacancies</td>
</tr>
<tr>
<td>Recreation and Athletics Advisory Council</td>
<td>Recommends on recreation and athletic fees charged to students and reviews reports on expenditures.</td>
<td>variable</td>
<td>One vacancy</td>
</tr>
</tbody>
</table>

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:**

<table>
<thead>
<tr>
<th>Bev Pain (Chair)</th>
<th>Curriculum Studies</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dwayne Brenna</td>
<td>Drama</td>
<td>5185</td>
</tr>
<tr>
<td>Angela Bowen</td>
<td>Nursing</td>
<td>8949</td>
</tr>
<tr>
<td>Claire Card</td>
<td>Large Animal Clinical Sciences</td>
<td>7102</td>
</tr>
<tr>
<td>Bruce Coulman</td>
<td>Plant Science</td>
<td>1387</td>
</tr>
<tr>
<td>Ed Knoll</td>
<td>Pharmacy &amp; Nutrition</td>
<td>2011</td>
</tr>
<tr>
<td>Jack Gray</td>
<td>Biology</td>
<td>4437</td>
</tr>
<tr>
<td>Venkatesh Mehta</td>
<td>Chemical and Biological Engineering</td>
<td>3309</td>
</tr>
<tr>
<td>Terry Wotherspoon</td>
<td>Sociology</td>
<td>6925</td>
</tr>
<tr>
<td>Cathie Forsier</td>
<td>Secretary</td>
<td>5036</td>
</tr>
</tbody>
</table>

For more information, visit usask.ca/university_secretary/council/committees/nominations or call 966-5036
Library Workshop Series for Scientists and Engineers
The library hosts a series of free workshops for scientists and engineers, all of which are free to attend and will take place from room 110 in the Delta Lab, University of Engineering. No registration is required. For more information, call 966-5979 or 966-1913.

March 26, 2:00 p.m. Access Open! Learn about author’s rights and discover how to make your publications more accessible to researchers and the public.

Managing Your References
The university’s library is offering free, one-hour workshops throughout the semester for those who want to learn how to use EndNote to save time and stay organized. No registration necessary.

• Mar. 15, 11:30 am, Murray Bldg., Room 101
• Mar. 28, 12:30 pm, Forrest South

Advising Workshops
The GWSS Counselling Centre offers a variety of workshops to assist students on academic matters and personal development. More information can be found on the GWSS website.

• March 2, 1:30-3:30 p.m., 1:30-3:30 p.m., 4:00-6:00 p.m., 4:00-6:00 p.m. The workshop entitled “Building Blocks of the Interview” is free. The workshop entitled “Workshop on Writing and Interviewing” is free. The workshop entitled “Workshop on Writing and Interviewing” is free. The workshop entitled “Workshop on Writing and Interviewing” is free.

Career Centre for Continuing and Distance Education
For more information, see cce.usask.ca or call 966-5539.

Business and Leadership Programs
• The Seven Habits of Highly Effective People
• Managing Conflict, Level 1
• Level 2: Leadership Skills for New Managers
• Advanced Problem-Solving Skills
• The Power of Working Visually
• Fundamentals of Mentoring – Level 1, May 14

USask Winter Classes
• Film Class – French
• Film Class – German
• Film Class – Spanish

Master Gardener
• Safe Use of Pesticides and Alternatives (MGCC), April 13-19, 9:00 a.m. - 12:00 p.m.
• Managing Conflict, Level 2, March 27-28
• Level 1: Basic Principles of Gardening for Beginners (MGCC), April 12-19, 9:00 a.m. - 12:00 p.m.
• Laboratory Safety for Undergraduate Students (MGCC), April 29, 9:00 a.m. - 12:00 p.m.
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UCASD Winter Seminars
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Community Music Education Program
Private lessons in guitar, traditional piano, subacoustic and electronic drums are offered. Contact Nicole Winter at 966-8525.

U of S Language Centre Programs
• Nicole Wilton elliott at 966-5625.
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Microbiology and Immunology
• 4-6 pm, Room 83 Health Sciences Bldg.
March 28, Sylvia van den Hoek, Dept. of Microbiology and Immunology, presents Prevention of pediatric respiratory syncytial virus infections: new opportunities for vaccine development.
• April 4, Peter Breuer presents Immunity and Anti-Immunity.

Geography and Planning Colloquia
Fridays at 3:30 pm in Room 104 Kirk Hall
• March 15, Natalie Ludlow presents Spatiotemporal mortality patterns of Hamilton, Ont.: 1981 and 1991
• March 22, Anastasia Petreiko presents Development of U of S navigable networks for U of S campus
• March 29, Al Morrison presents Identifying the paleo-influence of beaver on mountain landscapes.

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.

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

Innovation will help build Canadian economy
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Technologies 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 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.”

Celebrate us
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.”

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.

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