



# On Campus News

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## The wonder of science

Visitors of all ages took in the displays, exhibits and lectures that were part of Cameco Spectrum 2013 held in the Engineering Building Jan. 17-20. This little girl, who visited campus with a group of school children, marveled at a device that drew on paper an image sent remotely from a tablet.



COLLEEN MACPHERSON

# Building a new library

## Meticulous planning, measuring for collection move

by COLLEEN MACPHERSON

The rule of thumb for carpenters is measure twice, cut once. For librarians working to set up a new library, the rule is similar—measure twice before putting anything on the shelves.

And that's exactly what has been happening as Susan Murphy and her staff prepare for move-in day at the Leslie and Irene Dubé Health Sciences Library in E Wing of the Health Sciences project. The head of the health sciences branch library is no stranger to major moves of library material but nothing in her career matches the complexity of what is expected to happen this spring.

"I came into this project part way through, in July of 2008, so the plans had more or less been drafted out," said Murphy. "We knew the size of the space and

what was going into the library. My job has been to fine tune."

Referring to plans that paper the walls of her office, Murphy described the still-under construction library. It is just over 3,000 sq. meters on three floors, more than double the size of the current Health Sciences Library. The print collections will be housed on compact shelving that moves along rails "similar to what you'd see in your doctor's office to hold files." The aim is to reduce the footprint of the print collections "to leave more space for students. That's one of the goals."

Because medical students are now required to have a laptop "and with the general embracing of mobile technology," the new library will be

peppered with electrical outlets and network lines, and movable seating throughout "means students can arrange it in ways that work best for them." About two dozen group study rooms, each equipped with whiteboards and large-screen monitors, will allow for collaboration but "we will have quiet areas because we recognize that quiet study is still necessary."

A large circulation desk, an IT help desk, and offices, work space and meeting rooms for staff complete the layout, all of which will be bathed in natural light from a curved wall of windows facing College Drive and the Wiggins Road entrance to campus.

But Murphy is leaving the details of all of that to the contractors. Her focus is on



Health Sciences Librarian Susan Murphy in the construction site of the new Leslie and Irene Dubé Health Sciences Library

COLLEEN MACPHERSON

moving about five kilometres of print materials into the space from six locations across campus, and ensuring that every book ends up exactly where it needs to be.

She explained that the health

sciences collections, including books and print journals, are currently spread out. The majority of it is in the main Health Sciences Library but

See Books, Page 2



Cattle drive Page 7



Sustainable education Page 8



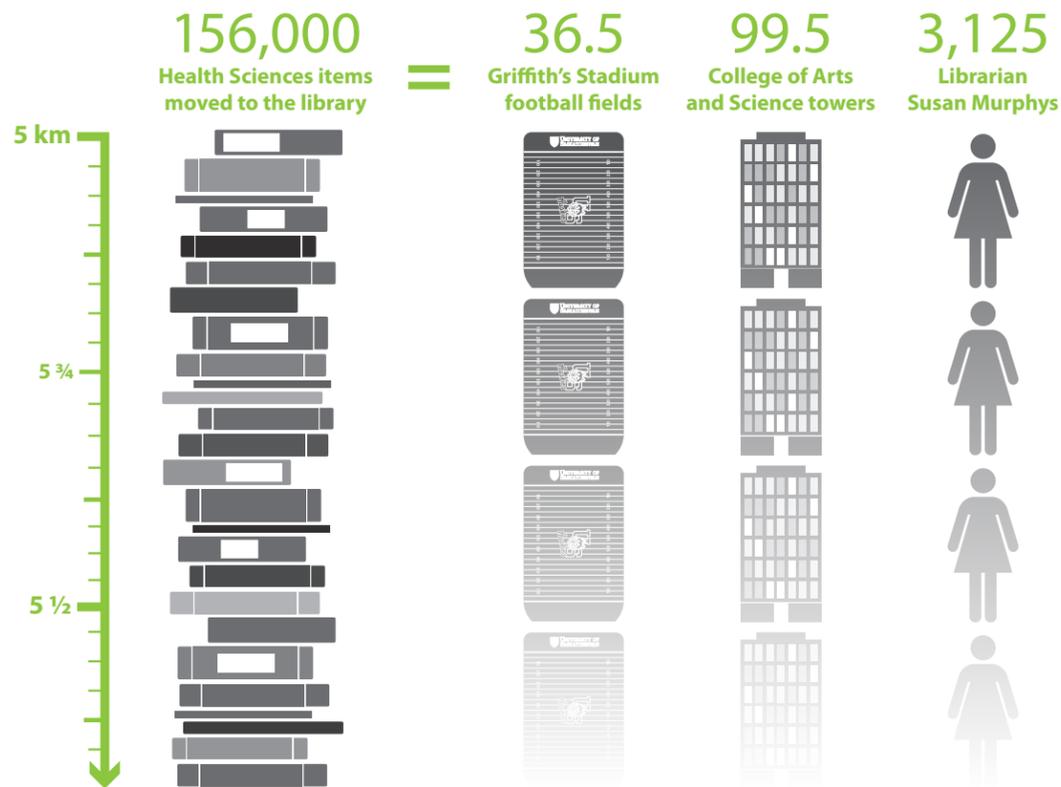
# Books moved, shelves filled

## From Page 1

kinesiology materials are in the Education and Music Library, and most of the back issues of print journals are in the Murray Library. Other materials are in the Natural Sciences Library and in general purpose storage in two locations. Murphy uses the term repatriation when she talks about gathering all 156,000 print items into one space.

"Pulling it all together will be so much more efficient for our client group. It will be nice to have everything under one roof."

Murphy said work is underway mapping on paper which call number ranges will go where in the new space. "We need to do that because we need to insert repatriated material." The materials' call numbers go from A to Z, she explained, but the kinesiology collection, which has GV call numbers, must be inserted in the correct spot. The same is true of all repatriated materials. "There may be some Rs or Qs coming from natural sciences, and sometimes it's inserting one book at a



time rather than a range of call numbers."

Staff have spent long hours doing very precise measurements of all materials in all locations, measuring twice in

fact so they know exactly how much space is needed on each shelf once the materials are all brought together. The information is on massive spread sheets that will guide the shelving

process.

Facilities Management Division staff will move the materials on specially built book trucks that hold 500-600 pounds. Murphy expects it will take about three weeks to move just the materials in the current health sciences library.

And, everything has to be relabelled to ensure it is returned to the right branch. Right now, the kinesiology materials, for example, are labelled for return to the education and music library; that needs to be changed to health sciences as it does for all repatriated materials.

In addition to measuring and mapping, staff have been running time trials on various aspects of the move, including loading and unloading the book trucks, and relabelling a single bay or section of shelving. It takes about one hour per bay, and there are hundreds of bays.

"I think we're fairly well

organized," said Murphy.

The plans will continue to be refined until it is time to move, which Murphy said will be June at the earliest. Once 51 per cent of the existing health sciences library materials are in the new location, the old library will be closed, the new one opened, and a retrieval process will be used while the remainder of the collection is moved.

Faced with such a daunting process, Murphy is remarkably calm but that's thanks to some similar experiences earlier in her career. In fact, this will be her third major library move, the others being at the Northern Alberta Institute of Technology in Edmonton and at the University of Alberta. She was also involved in bar coding every item in the University of Lethbridge library.

"It took forever and I lost all the skin on my thumb, but I met my future husband on that job."

Most librarians, she said, would experience a move or a renovation over their career "because physical facilities need to evolve to accommodate the way people work and learn, and the materials they use." But few have the chance to move into a brand new building.

That is why Murphy is looking forward to the Canadian Health Librarians Association conference taking place in Saskatoon in May. "People are very excited about coming to the conference to see the new library. We're planning on giving tours; it's a great opportunity for us to profile the new library."

She warned though, that when librarians gather, they are neither quiet nor reserved. "We're loud and we eat lots. The stereotype has done us a huge disservice. We're a gregarious bunch—there's very little shushing that goes on." ■



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## University Council Elections

University Council is responsible for overseeing and directing the University's academic affairs. The participation of faculty members willing to stand for election as members of Council is essential to the continuing good governance of the University.

This year there are 16 member-at-large faculty positions to be filled. All members of Council whose three-year terms expire on June 30, 2013 are eligible for re-election.

There is also one vacancy for a one-year term, due to an administrative leave.

If you wish to stand as a candidate for election to University Council or if you would like further information contact the Office of the University Secretary at 966-4632 or visit the Council website at [usask.ca/university\\_secretary/council/elections.php](http://usask.ca/university_secretary/council/elections.php)

**Please submit your nomination to stand for Council by Friday, February 1, 2013.**

# New board members announced



**Ahenakew**



**Dubé**



**Ford**



**Isaac**

The Government of Saskatchewan has appointed four new members to the U of S Board of Governors, effective Jan. 17, 2013 for three-year terms. Lee Ahenakew, David Dubé, Kathryn J. Ford and Grant Isaac are the new members. They replace Garry Standing, Nancy Hopkins, David Sutherland and Art Dumont, all of whose terms on the board have expired.

"We are pleased to welcome four individuals whose qualifications, experience and background will benefit the University of Saskatchewan Board of Governors," said Susan Milburn, vice-chair. "The members who are leaving the board at this time have offered tremendous service and we are grateful to them for their voluntary dedication of time and energy that board service represents."

Ahenakew, holds a Bachelor of Commerce degree from the U of S, and recently relocated to Saskatoon from Dundas, Ont. where he worked at the Canadian Council for Aboriginal Business as the vice-president of member relations. He is currently employed with BHP Billiton. He has served on several boards and his expertise in corporate Aboriginal relations will make him a valued member of the U of S board.

Dubé holds an Advanced Bachelor of Arts in political science degree from the U of S and is a Huskie football alumnus. He is the president and chief executive officer for the Concorde Group of Companies, has served on numerous other boards and is a generous supporter of the university.

Ford, is also a graduate of

the U of S. She specializes in conflict resolution and has a particular interest in mediation, workplace conflict assessments and workplace harassment investigations. She owns her own law practice and has practiced law in Saskatoon since her admission to the Saskatchewan Bar in 1977. She has served on several other

boards in the past.

Isaac, also graduated from the U of S as well as from the London School of Economics. He brings expertise in finance, taxation and business technology services through his work at Cameco as chief financial officer and senior vice-president. He has served as the dean of the

Edwards School of Business and on several other boards.

Greg Smith, the fifth government appointee, will continue to serve on the board for a second three-year term. A new chair will be chosen by the board at an upcoming meeting.

The U of S Board of Governors is responsible for overseeing and directing all matters respecting the management, administration and control of the university's property, revenues and financial affairs. The board consists of five members appointed by the Government of Saskatchewan, one student member (currently Jared Brown), one faculty member (currently Linda Ferguson), two members appointed by University Senate (currently Susan Milburn and Grit McCreath), and two ex-officio members (the president and chancellor). ■

## FROM THE ARCHIVES

# New in the news

✍ PATRICK HAYES, U OF S ARCHIVES

# BEd program in national study

✍ MICHAEL ROBIN

A renewed Bachelor of Education program at the U of S College of Education has caught the attention of researchers working to improve how new teachers are prepared for K-12 classrooms.

"It's always been challenging to be a teacher, but things are a bit more complex now," said Karen Goodnough from Memorial University of Newfoundland. "For example, classrooms are expected to be inclusive, and there are so many diverse learners. The expectation is that the regular classroom teacher meets all their needs. It's a huge challenge."

Goodnough is leading the project with colleagues Ron MacDonald from the University of Prince Edward Island and Thomas Falkenberg from the University of Manitoba. They are looking at the challenge of translating theory in the university classroom into practice in K-12 classrooms.

The U of S BEd program, which took in its first cohort of students in fall 2012, is one of six chosen from a field of 64 across Canada for the study. Criteria

included a strong element of collaboration and critical reflection; cohesive, well-articulated programs; and a high level of integration among the university courses and K-12 teaching. The program also had to be relatively new.

The research team is looking at how faculties of education connect and integrate theory for students. They will explore what barriers prevent this from happening, such as time constraints of faculty, lack of access to technology, or obstacles in the structure of programs, as well as how these challenges are being effectively addressed.

The team will visit the U of S and other selected programs beginning this spring and wrapping up in 2015. They will conduct interviews and surveys with faculty and students, and will observe classroom activity both on and off campus, including accompanying students during internships. Ultimately, said Goodnough, the goal is to more effectively prepare teachers for today's dynamic school environments. ■



U of S Archives, A-3166.

The above image is of page one of the newly launched *On Campus News*, September 9, 1993. This was a new format with a new name but regular reporting to the campus community began in 1960 with the launch of *On Campus*. Their first item was: "ON CAMPUS" -- A NEW PUBLICATION

Matters likely to be of general interest to persons connected with the university will be contained in this publication, which will be issued twice a month. One feature will be a section on coming events, and readers are invited to inform the News Services Office (135 Admin. Bldg., local tel no, 206) of items that could be included. Also, staff should feel free to make suggestions as to other information that might be included in following issues.

News sections included campus improvements, books by staff, Regina College and staff changes. The newsletter style remained until the creation of the newspaper form so familiar today. ■

# Orators added to convocation

Wanted: volunteers to serve as university orators at convocation. Job requires a good speaking voice, and ability to pronounce names correctly. Lunch will be provided.

Changes to convocation will soon see the traditional post of orator incorporated into the ceremony at the University of Saskatchewan.

Making use of orators to read the names of degree recipients has been suggested from time to time, said University Secretary Lea Pennock, and now, with enormous convocation ceremonies each spring, the idea is finally taking hold. "It's a way of dividing up the speaking responsibilities and the hand shaking which, with seven ceremonies, is a lot for any president."

Currently, college deans read the names of degree recipients who then receive their parchment from the president. By having orators take over the name reading, deans will be able to present degrees themselves,

an idea they enthusiastically support as a way to more closely connect with students, said Pennock.

The position of public orator dates back hundreds of years, particularly in the United Kingdom. Oxford University appointed its first orator in 1564 with responsibility for presenting honorary degrees, giving an oration for each person honoured.

The job also required composing addresses and letters, and giving speeches at important academic events, often in Latin.

Public orators are used less often in North America although they do exist, said Pennock. The Universities of Victoria and New Brunswick are two examples of Canadian institutions that make use of orators in convocation ceremonies.

Russel Isinger, the university registrar who works with

*See Convocation, Page 6*



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# TransformUS aims for financial sustainability

The challenge of achieving financial sustainability is being tackled on many fronts at the University of Saskatchewan, including a comprehensive review of all academic programs and administrative services.

Given the title TransformUS, the review was announced in a letter to the university community Jan. 11 from President Ilene Busch-Vishniac. That letter explained the resources available to the university are not sufficient to maintain the current breadth of programming and activity. TransformUS involves simultaneous examination of every

program and service "to assess its contribution to our overall success," said the president, and the development of a priority list of programs and services needing greater investment of resources and those from which resources will be withdrawn.

Busch-Vishniac clearly stated the primary objective of TransformUS is cost cutting.

TransformUS is modeled on one detailed by Robert C. Dickeson in his 2010 book *Prioritizing Academic Programs and Services* and will be adapted to special U of S circumstances. Provost Brett Fairbairn outlined

Dickeson's model to University Council last year, and on Jan. 24, Council will be asked to approve TransformUS in principle.

Dickeson defines a program as "any activity or collection of activities of the institution that consumes resources (dollars, people, space, equipment, time)."

The first step in the process is the formation of two task forces, one to assess academic programs and the other to examine administrative services and academic support programs. Both will include broad representation and have been charged with finding ways to encourage student input and participation. Information regarding the member nomination and expected timelines for the task forces will be announced to the campus community in the near future.

According to information on the university's finances website, the four-part role of the task forces is to develop criteria for ranking programs; develop a ranking system for determining outcomes; collect data; and complete a report with recommendations on the outcomes for the president and provost by Nov. 30. It is expected programs and activities will be grouped into various categories such as "maintain with reduced resources", "maintain with enhanced resources" and "eliminate, merge or close".

Any program termination will follow normal processes with University Council actively involved in changes to academic programs. The university's Board of Governors will be informed of

any changes that have budgetary implications. The Provost's Committee on Integrated Planning will be responsible for developing an action plan and timetable. This is expected in December and beyond.

In the case of an academic program termination, the university will ensure students have the chance to complete their studies in a reasonable time. If staff is affected, all laws, contracts, collective agreements and U of S policies will be adhered to during the change.

Two principles will govern the work of the TransformUS task forces. The first is that assessment criteria be holistic, taking into account various assessment factors including financial and non-financial, and other measures of performance. The second principle is that criteria must result in a fair assessment to ensure programs or services are treated equally. Assessment criteria will be shared with the university community for comment.

University Council, at its Jan. 24 meeting, was asked to approve in principle the undertaking of a university-wide process for prioritization of service/support and academic programs, as Council will ultimately be asked to approve any forthcoming recommendations that affect academic programs.

In addition to the program review process, the U of S is continuing to take a strategic, unit-by-unit look at its workforce. Every college and administrative

unit is participating in workforce planning by reviewing its priorities and job positions to both find reductions and refocus employees' work in priority areas.

In a news release issued Jan. 5, university officials announced that about 40 employees would receive layoff notices over three weeks with more job losses planned for April. The January layoffs are expected to save the university \$2.3 million per year. In a letter to employees Jan. 17, Fairbairn and Greg Fowler, acting vice-president of finance and resources, said immediate savings from workforce planning will help the institution meet its budget targets in 2012-13 and 2013-14. The U of S has about 7,500 people on its payroll.

In addition to these two projects, university officials continue to evaluate some 400 cost-saving ideas submitted by members of the campus community. The suggestions have been divided into eight groups, including compensation strategy, revenue generation and diversification, reducing institutional footprint and maximize value of university spending. Fowler and Fairbairn's letter said each will be assessed for its financial impact, adding that beyond TransformUS and workforce planning, "it will take projects in multiple areas to achieve the full \$44.5 million change the university must accomplish" by 2016. ■

## 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



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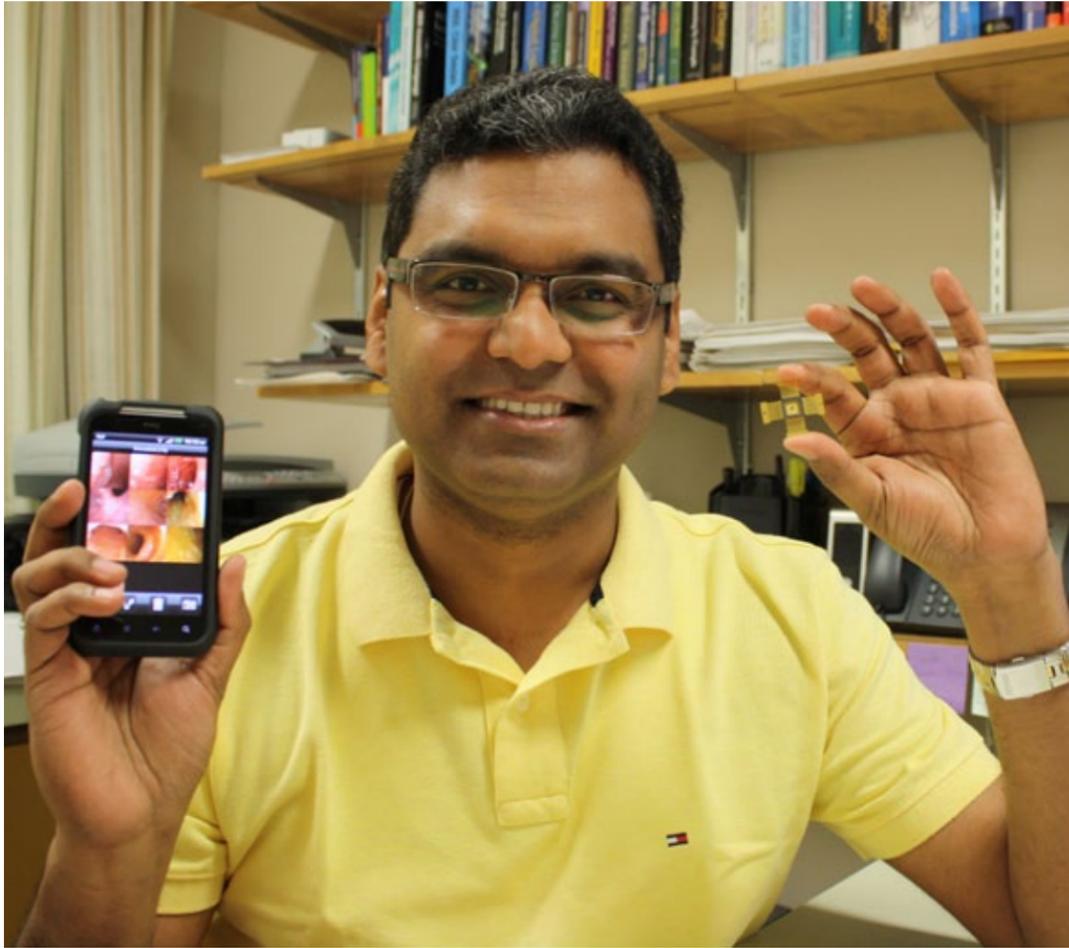
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# Inside view

## Improving endoscopy imaging

✦ MICHAEL ROBIN



Khan Wahid holds a component of an endoscopy capsule that transmits to a smartphone.

✦ LISA BUCHANAN

Khan Wahid wants to help your doctor see a whole other side of you.

The associate professor of electrical and computer engineering and his team are developing new patent-pending technology for video endoscopy capsules.

When it comes to getting a good look at your ailing innards, there are few tools more useful than these high-tech pills, which contain a video camera, battery, light-emitting diode (LED) and a transmitter, explained Wahid. They are especially valuable for diagnosing causes of bleeding or abdominal pain like Crohn's disease, peptic ulcers or colorectal cancer.

"Doctors are not satisfied with the current image quality from endoscopy capsules. We are working to improve the technology in several ways, which will lead to more consistent, accurate diagnosis," Wahid said.

One of the problems with endoscopy capsules, which

“Doctors are not satisfied with the current image quality from endoscopy capsules.”

**Khan Wahid**

measure only 11 millimetres by 26 millimetres, is they can “jump” areas of tissue without imaging them, so doctors do not get a continuous picture, he explained. To meet the challenge, Wahid's team has developed algorithms that much more efficiently capture and process images, decreasing the workload of the onboard computer chip while increasing quality and the frame rate to provide images more frequently. This helps extend battery life, ensuring the capsule remains in operation throughout its eight-to-10-hour

journey. The result is technology that allows for a more complete, real-time diagnosis of gastrointestinal diseases, and may make it possible to add features to future endoscopy capsules.

Wahid and his team are also looking at the rather intrusive data recorder worn by patients after swallowing the capsule. Their solution is a mobile device application and a SIM card-sized adapter that transmits information directly to the patient's smartphone.

With two patents pending, the U of S Industry Liaison Office (ILO) is evaluating ways of taking the technology to market, whether it be through licensing or a start-up enterprise. Research work so far has been supported by Natural Sciences and Engineering Research Council of Canada and Canada Foundation for Innovation, and the ILO as has provided additional funding through their Forge Ahead Fund for Wahid and his team to develop a prototype. ■

# Beachy joins food security institute

World-renowned agricultural researcher and scholar Roger Beachy has been named founding executive director and CEO of the Global Institute for Food Security (GIFS) at the U of S.

"I was drawn to the vision of the new institute and the spirit of innovation and collaboration that led to its creation," he said. "With Saskatchewan's unique strengths in bio-science and agriculture, I am committed to helping GIFS take its place among the most exceptional in the world."

Over his 40-year career, Beachy has become internationally recognized for research in food crops, production agriculture and the applications of biotechnology in agriculture, nutrition, and human health. He founded the Danforth Plant Science Centre in Missouri and was the first director of the National Institute of Food and Agriculture. He also served as chief scientist of the U.S. Department of Agriculture. Research under his leadership has led to several patents and more than 230 publications. He is a member and fellow of a number of scientific societies, and is past president of the International Association for Plant Biotechnology.

"We are delighted to welcome Dr. Beachy to the university and look forward to the vision and passion he will bring to the work of the new Institute," said U of S President Ilene Busch-Vishniac. "His leadership and expertise in agriculture and food-systems research will contribute greatly to our university's preeminence and



Beachy

research capacity in these areas."

GIFS was launched on Dec. 10 by the Province of Saskatchewan, the U of S and Potash Corporation of Saskatchewan Inc. (PotashCorp) with commitments of \$35 million from PotashCorp and \$15 million from the province over the next seven years. The institute will build upon Saskatchewan's unique resources, innovation and expertise, including U of S excellence in agriculture and food-system related research, to address the increasing global demand for safe, reliable food.

Beachy will help launch the institute and plans to remain actively involved in a senior oversight capacity as GIFS becomes established.

"To have a tangible impact on food security, the institute requires strong, respected leadership," said Bill Doyle, president and CEO of PotashCorp. "Roger brings immediate credibility to this initiative and is the best person to lay the groundwork that will help the institute achieve its long-term goals." ■



## President's Service Awards

The Office of the President is now accepting nominations for the **2013 President's Service Awards**, a twice-annual recognition of the dedication and commitment of non-academic employees.

Presented at each of the university's two convocation ceremonies, the award includes \$1,000 and the choice of a specially-designed ring or pin.

For information or to obtain a nomination form, contact the Office of the President at **966-6613** or visit the president's website at

[usask.ca/president](http://usask.ca/president)



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# Students use atrium for study and fun

COLLEEN MACPHERSON



COLLEEN MACPHERSON

Students from across campus are making use of the collaborative spaces that surround the D Wing atrium. Over the edge of the wall behind this student, it is five storeys down to the floor of the atrium.

It seems students from across campus have found a new favourite place to study for final exams – the atrium in the D Wing of Health Sciences.

Brad Steeves, director of operations in the Council of Health Science Deans office, said students filtered into the five-story light-filled atrium before the holiday break, taking advantage of the comfortable seating and the writable

walls. Steeves explained that white boards line the collaborative spaces on each floor and at the end of day, were covered in notes, drawings and formulas.

But, as soon as the studying was done, the fun began. Steeves said he ran across one group of students throwing tennis balls back and forth to each other from balconies high above the atrium floor. “I guess it was kind of a stress reliever,” he said.

Then, one morning, dozens of paper airplanes were found scattered across the atrium floor with one firmly stuck in the acoustic panels on the walls between the third and fourth floors. “I guess they’re trying to make history, like in Thorvaldson 271,” said Steeves, referring to what is often called the Airplane Room, a reference to all of the paper darts stuck in the ceiling tiles. ■

## Convocation auditions

From Page 4

Pennock organizing convocation, said the position requires a good resonant voice, consistent pacing in speech, attention to detail so no “with distinction” or “with great distinction” is missed, and good pronunciation skills “because we have a lot of very challenging student names. We always want our convocation ceremonies to be perfect and that means getting students’ names right.”

Several volunteer orators will be required because of the large number of convocation ceremonies; six or eight people in the role would be ideal, said Pennock. “We’re hoping to

recruit people from the university but not necessarily just faculty members. Orators could be staff or students as well.”

Although the position is voluntary, the selection will involve an audition. Pennock also promised lunch for those orating at convocation. As an added perk, “people would get to put on their CV that they’re the university orator. And once we have an orator, I wouldn’t rule out other things we might get them to intone.”

Anyone interested in auditioning for the position of university orator are invited to contact either Pennock or Isinger for details. ■

## Around the Bowl



Exner-Pirot

Heather Exner-Pirot has joined the College of Nursing in the new position of strategist for outreach and indigenous engagement where she will focus on engagement with international indigenous and northern Aboriginal communities. Exner-Pirot held positions with the Johnson-Shoyama Graduate School of Public Policy and the International Centre of Northern Governance and Development prior to joining the college.

Christine Smith has taken up the position of assistant manager at the Huskie Store after serving for 13 years as the manager for Mac cosmetics at The Bay.



Chiste

Paola Chiste has joined the International Centre for Northern Governance and Development as a research officer. She previously worked on research projects in the office of Institutional Planning and Assessment.

The Canadian Society for Chemistry has awarded its John C. Polanyi Award to Ron Steer, in recognition for his work in the field of solar energy. The chemistry professor and his team are attempting to make organic photovoltaics, also known as dye-sensitized solar cells (DSCs), a more efficient source of electricity.



Steer



Senger

In the College of Dentistry, Debora Senger has joined the staff in the position of alumni and stewardship officer. Senger worked previously with the Study Abroad office and is currently an MBA student in the Johnson-Shoyama School of Public Policy. Also joining dentistry is Gary Keegan, who will work for that college as well

as the College of Pharmacy and Nutrition as major gifts officer. Keegan comes to the U of S from the pharmaceutical industry.



Keegan

The Office of the Provost and Vice-President Academic has announced the following appointments:

Liz Harrison’s term as associate dean, School of Physical Therapy in the College of Medicine, extended for the period July 1-Dec. 31.

Dianne Miller as acting head of the Department of Educational Foundations until June 30.

Maureen Reed as acting assistant director of the School of Environment and Sustainability until June 30.



Harrison



Miller



Reed



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# Industry support highlights value of beef teaching, research

✦ COLLEEN MACPHERSON



Although many pieces of the puzzle remain to be filled in, plans to find a new home for the university's Beef Cattle Research and Teaching Unit have garnered strong support from the industry it serves.

The most recent step in the effort to relocate the unit is an application by the university to the Municipality of Blucher asking for approval to build a new beef cattle unit on U of S land south of the town of Clavet. Currently located just north of Circle Drive on the east side of the South Saskatchewan River, the unit is a vital component of education and experiential learning for agriculture and veterinary medicine students, as well as a key source of technology transfer to the burgeoning feedlot industry in Saskatchewan.

Andrew Van Kessel, head of the Department of Animal and

Poultry Science in the College of Agriculture and Bioresources, said the current facility was built in 1952 and houses about 700 head of feedlot beef cattle. It is used not only to train students interested in feedlot management but also for important nutrition and health research specific to the feedlot industry. The problem, he said, is that drainage issues on the current site make it difficult to remove water from cattle pens, posing potential animal welfare issues.

The options are limited, he said. One is to refurbish or remodel the existing unit. Another is to relocate it which aligns with long-term plans for use of university lands outlined by the Vision 2057 project, but he was adamant that closing it down altogether is not on the table. "This is an important site for experiential education for both undergrad



Van Kessel

and graduate students, and with a major animal industry here, and a growing feedlot industry in Saskatchewan, we can have a really positive impact with our research not only in this province but throughout western Canada."

Van Kessel said initial planning for the unit would see it expanded to accommo-

date 3,000 head of cattle with some pen capacity increased to 200 head from the current 25. "This is a case where we feel we need to mimic a commercial operation for the purpose of technology transfer to the industry." The new unit would include a handling facility, an amphitheatre space for teaching students and working with producers, and a metabolism facility for intensive physiological work related to digestive function and nutrition studies, he said.

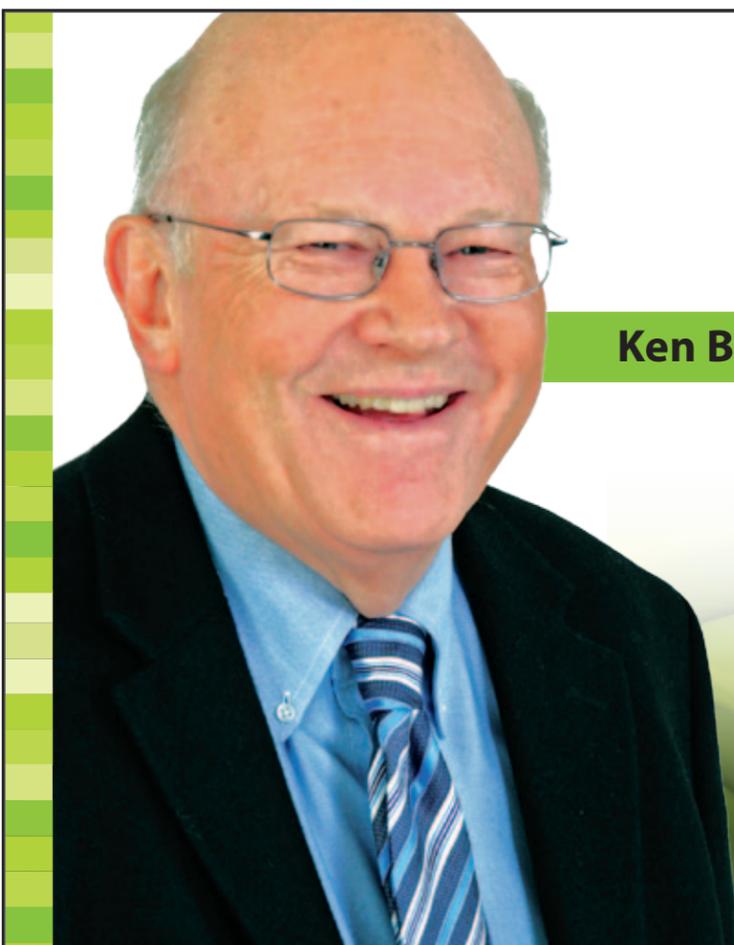
Relocating the unit to what is termed a greenfield site will also allow for studies into the long-term effects of such operations on soil and groundwater chemistry and microbiology.

The importance of the teaching and research unit's work was underscored last summer when the Saskatchewan Cattlemen's Association,

which represents beef producers across the province, announced a commitment of \$1 million to the redevelopment of the facility.

"We spend considerable time ensuring our research is applied and has impact in the industry," said Van Kessel. "The support from the cattlemen's association is key in that it signals the beef industry is behind this project and believes in it. They see that our contributions to teaching and research are valuable to the industry."

There are no firm timelines in place for the relocation of the unit, nor is there secured funding beyond the industry commitment, but Van Kessel believes industry partners like the Saskatchewan Cattlemen's Association can have a positive influence on the end result. "We can't do the kinds of projects we do without their support." ■



## Leadership Conference

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# Sustainability through education

✎ KRIS FOSTER

Sustainability is a hot topic, but there is often a difference between an organization's sustainability policy and practice. Aiming to help an organization's practice match its policy is one of the areas to be studied in the newly launched Sustainability Education Research Institute (SERI) at the U of S.

The institute, the first of its kind in Canada, was recently awarded a Canada Foundation for Innovation (CFI) grant totalling \$250,000, to physically create SERI to include an online hub for collaborative research, as well as a physical hub for in-person work. This new infrastructure, explained Marcia McKenzie the institute's director,

will enable faculty, graduate students and community partners to work together on environmental sustainability issues in relation to social and economic priorities in five broad areas including research, education, governance, operations and community outreach.

Among the projects to be housed in SERI is the Sustainability and Education Policy Network (SEPN), which is a \$3-million grant funded by the Social Sciences and Humanities Research Council. SEPN is made up of 30 researchers from across Canada—including five from the U of S in the College of Education, the Department of Geography and Planning, and

the School of Environment and Sustainability—and 11 organizations from around the world, such as the David Suzuki Foundation, the Association for the Advancement of Sustainability in Higher Education and the Assembly of First Nations.

"Greenwashing, for example, is an area SEPN is concerned with. This means labelling yourself as green or environmentally sustainable but beyond a surface level, carrying out business as usual. Through analysis and research on policy and practice, we can work with educational institutions to address this gap and create a more sustainable future," said McKenzie, an associate professor in the College of Education where SERI is housed.

Members within SERI will also be working in consultation with partners in Saskatoon—including the City of Saskatoon, the Saskatoon Public School Division and the Saskatoon Catholic School Division—on Education for Sustainable Development initiatives. Other SERI projects include a participatory research digital media project on sustainability issues important to youth, and contributions to community initiatives such as the Saskatoon CarShare Co-operative.

"It matters because the path we are on as a country and globally is not environmentally sustainable," explained McKenzie. "With SERI we have space for educational institutions, government, and non-



Marcia McKenzie, director of Sustainability Education Research Institute (SERI) at the U of S. 

government and community groups to come together and engage with environmental issues like climate change on a deeper level."

Through partnerships, research and education, McKenzie hopes the institute can help address the denial of environmental issues. "Denial of climate change has been on the rise over the past decade," said McKenzie. "There is dissonance between how we are used to living and the change we need

to make. We may be making the planet unlivable for future generations, but we don't want to change the ways we've grown accustomed to doing things, so we either deny or ignore the realities of the issue."

To that end, McKenzie said that environmental protection needs to become as much a priority as economic gains, and will require "involvement from grassroots to policy makers so that we can work on solutions at all levels." ■

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## reach out & learn

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Alice Liu  
U of S International Student

Through a pilot program with the College of Arts and Science, Alice Liu became one of the first international students to take a university class while completing her final English for Academic Preparation (UPREP2) class. Instructors and staff provided support to help her transition into full-time academic study.

We partner with colleges and units to provide

- academic preparation, English language and intercultural education to international students,
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- conference and event planning with online registration services, and,
- professional development and training to campus staff, groups and units.



UNIVERSITY OF SASKATCHEWAN

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## Campus Incidents

Selected incidents reported by the Department of Campus Safety. Report all information about these and other incidents to Campus Safety at 966-5555.

### Jan. 7-14

Among the tickets issues were:

- 1 for driving while suspended
- 1 for disobeying a stop sign
- 1 for failing to produce driver's license on demand
- Officers attended three medical calls.
- Officers investigated a report of graffiti in the Arts Tunnel.
- A Nexus tablet was reported stolen from the Natural Sciences Library.

### Jan. 14-20

Among the tickets issued were:

- 1 for disobeying a signal to stop by a peace officer
- 1 for a learner driving unaccompanied
- 5 for operating an unregistered vehicle
- 1 for driving while suspended
- 1 for having an obstructed license plate
- 3 for unlawfully having sunscreen on front side windows
- 1 30-day vehicle impound
- 2 warrants executed under the Alcohol and Gaming Regulation Act
- Officers investigated a hit and run where a motorist struck a stop sign and fled the scene. Debris remaining is not sufficient to identify the suspect vehicle.
- A man pulled the fire alarm at the main entrance to Louis' on Jan 16 at 01:53 hours. Video exists and a photo was placed on PAWS to try to identify him. The person was identified and the matter referred to the fire marshal who will lay charges under provincial fire legislation.
- A female reported she was sexually assaulted at Lutheran Seminary Residences. The incident occurred on Jan. 8 and was reported to Campus Safety on Jan 14. The file was forwarded to SPS for investigation.
- After responding to a fire alarm at Spruce Hall on Jan. 19, officers noted a fire extinguisher had been discharged in a stairwell. Saskatoon Fire and Protective Services responded and residents were evacuated. It turns out there was no fire but a young man is believed to have discharged the fire extinguisher and has been identified from CCTV. The file has been turned over to the fire marshal for possible charges of tampering with firefighting equipment.
- Officers arrested a 42-year-old man for trying to steal bikes near Kirk Hall at 3:55 am on Jan. 19. The man also had outstanding warrants for his arrest.

# Cross-cultural conversations

✍ KRIS FOSTER

The U of S is opening its doors to more international students than ever before, but making sure those students have the English skills to succeed in and out of class and on and off campus is no small task.

“When I came to the U of S, I visited all sorts of centres across campus,” said Marie Lovrod, co-ordinator of the Women’s and Gender Studies program. “There were programs that helped students acquire English for academic purposes, but there were few opportunities for international students to interact with domestic students, basically as a learning resource. Most of these students learn English in the Language Centre and are often in numeracy fields and that means cross-cultural conversations don’t happen a lot.”

So Lovrod, who arrived in Saskatoon in 2006 from New York where interactions with people

from all corners of the world are quite common in educational environments, began looking for ways to get international students from the Language Centre into her women and gender studies classes so they could learn through conversations with English-speaking students. The semester systems of the university and Language Centre are different, but with the help of the Language Centre, Lovrod was able to find a four-to-five week overlap when she could bring international and domestic students together in a seminar class on feminist qualitative research.

“Both groups had something to learn from each other,” said Lovrod, who eased the international students into her class with the help of Lisa Krol, Kara Loy and other Language Centre staff. “The international students who participated in the seminar



Students Xin Shen and Alice Lui (front row) participated in the Bridging Course Pilot Project, a project many people helped launch, including Lisa Krol (curriculum co-ordinator at the Language Centre), Kara Loy (ESL co-ordinator at the Language Centre) and Marie Lovrod, co-ordinator of Women’s and Gender Studies.

classes got to practice English and the women and gender studies students got to learn that in qualitative research, you can’t make assumptions about world views.”

The class also included a chance for the students to take part in “everyday interactions, like going to a movie or the art gallery. There are powerful lessons for both groups and they had brilliant observations.”

The experience from the trial class led to more support from “the two Davids,” Lovrod explained, referring to David Parkinson, director of the Learning Centre, and David J. Parkinson, vice-dean of humanities and fine arts in the College of Arts and Science. “We were able to launch the ‘Bridging Course Pilot Project’, which allowed international students to enroll in a women and gender studies class and be intentionally grouped with a couple students over an ongoing period of time.”

The pilot class is now over and graduate student Sara York, who participated in one of the original classes Lovrod initiated, is preparing a report on the outcomes by interviewing students and arranging focus groups.

“The report will be done this term, but we have already seen positive results like improved listening scores and reading comprehension scores. It is useful to take part in discussions with people with different perspectives and who lived under different policies. It was transformative for the students and the instructors.”

What Lovrod and her colleagues from the Language Centre know for certain is that “this method can be applied to other subjects and we want to explore the possibility to make these opportunities available to more students.”

They also hope to share what they learn with those beyond the university community. “Immigration laws in Saskatchewan are changing. For example, there are more international students in public schools making this transition and acquiring English skills. We would like to have conversations (with school divisions) and share what we learn.”

It has taken a lot of time and many hands to get this project to where it is, said Lovrod, but “it is an important social vision. There is a deeper and more powerful opportunity when we think across cultures to learn from one another.” ■

## Health researchers recognized by SHRF

✍ MICHAEL ROBIN

Five U of S health researchers were recognized with awards from the Saskatchewan Health Research Foundation (SHRF) at its annual Santé! Awards on Dec. 6.

Adam Baxter-Jones, associate dean of graduate education and research in the College of Kinesiology, received SHRF’s Achievement Award for his work as a researcher, teacher and leader. His work to understand how obesity and activity affect bone and muscle health in children and older adults has informed public policy and clinical guidelines for preventing diseases such as osteoporosis.

Two researchers won awards in SHRF’s Establishment Grant program. Suraj Unniappan from the Western College of Veterinary Medicine took top honours in the biomedical category for his work investigating the hormonal basis of obesity and diabetes by characterizing novel therapeutic targets. Catherine Trask at the Canadian Centre for Health and Safety in Agriculture was recognized in the socio-health category for her work to understand how on-the-job threats, such as heavy lifting and vehicle vibration, affect the risk of lower back disorders in Saskatchewan farmers.

In SHRF’s Postdoctoral Fellowship program, Syed Qadri from the College of Medicine took the award in the biomedical for his work with supervisor Dr. Lixin Liu to find out how to

reduce sickness and early death in diabetics by reducing complications caused by inflammation and infections.

Daniel Fuller from the College of Medicine took the award in the socio-health category for his work with supervisors Dr. Cory Neudorf from the U of S and McGill University economist Erin Strumpf, comparing two community-level programs—the smoking ban in Saskatoon and an intervention program in schools to increase physical activity and improve mental health. The goal is better understanding of such programs and their effectiveness in improving population health. ■

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## Audit Results Positive

The audit of the university’s 2011-12 financial statements was positive, with no significant financial management issues identified. In large measure this was due to the efforts made across campus to address audit remediation and internal controls recommendations from the Provincial Auditor following the 2010-11 audit. At that time, the Financial Services Division identified 22 issues that needed to be addressed to satisfy board requirements and effectively respond to the auditor’s recommendations. As of August 2012, 20 of these had been addressed and two were in progress.

### Items addressed

The most significant items were in the areas of **revenue recognition** and ongoing financial **reviews and reconciliations**. For the first, procedures were added to ensure complete and timely reporting of revenue from grants and contracts. For reviews and reconciliations, FSD introduced an automated monthly review process that is currently being completed by about 50 per cent of colleges and units. To fully meet board and audit requirements, we need to work together to reach 100 per cent participation in this key activity.

Other items among the 20 included increasing central review and oversight related to monthly financial reviews, information technology security, and segregation of duties (ensuring more than one employee is involved in areas of work that involve risk of theft or fraud).

### Further work required

The two areas still in progress are: the development of a disaster recovery plan for our information technology systems—while the plan has been completed, it needs to be tested to fully meet audit requirements; and creating a comprehensive budget of the entire university operation that will encompass research and endowment activities in addition to operating activities. Progress has been made in this area with the TABBS model development and our Multi-Year Budget Framework for the current four-year planning period.

Efforts made across campus to improve our financial management processes have made a significant, positive difference in our audit results, and we achieved this in a relatively short timeframe. Our approach at the U of S is one of continuous improvement; work to achieve continued strong processes is ongoing and we will always look for opportunities to improve.

[usask.ca/fsd](http://usask.ca/fsd)

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# Coming Events

## ■ Seminars/Lectures

### Groundwater Science Lecture

- Feb. 6, 4 pm, seminar room, Thorvaldson 241, David Rudolph, professor of earth sciences, University of Waterloo, presents the Darcy Distinguished Lecture in Ground Water Science entitled *Managing Groundwater Beneath the Agricultural Landscape*.

### Rainbow Explorations Lecture

- Jan. 31, 4:30 pm, Arts 214, Heidi Epstein, Dept. of Religion and Culture, presents *Amatory Interventions: The Song of Songs' Queer Musical Career*

### Native Studies Colloquia

Wednesdays at 11:30 am in Arts 106

- Feb. 13, Swapna Padmanabh presents *Aboriginal Masculinities: Standing Within the Realm of World Indigenous Masculinities*, and Lydia Ross presents *First Nations Governance: Exploring Traditional Concepts of Community Governance*
- Feb. 27, Dana Carriere presents *Northern First Nation Economic Success through Pimacihowin Principles: Case Study of a Woodland Cree Community*, and Roberta Desnomie presents *Wihkotatomowin: Towards a Cree Social Theory of Colonial Identity*

### JSGS Events

Visit [www.schoolofpublicpolicy.sk.ca](http://www.schoolofpublicpolicy.sk.ca) for details

- Feb. 1, 1:30-3 pm, Prairie Room, Diefenbaker Building, Éric Montpetit, department chair and professor of political science, Université de Montréal, presents *Magnified Disagreement: the Media Coverage of Biotechnology Policy-Making Versus Its Practice*
- Feb. 6, 9 am-4:30 pm, 120 – 2 Research Drive, Regina, Foundations of Aboriginal Policy Development facilitated by Yvonne Boyer, postdoctoral fellow, Indigenous Peoples' Health Research Centre, Ken Coates, Canada Research Chair in Regional Innovation, Johnson-Shoyama Graduate School of Public Policy, and Jo-Ann Episkew, director, Indigenous Peoples' Health Research Centre.
- Feb. 7, 9 am-4:30 pm, 120 – 2 Research Drive, Regina, The Duty to Consult and Accommodate, facilitated by Yvonne Boyer, Postdoctoral Fellow, Indigenous Peoples' Health Research Centre and Seonaid MacPherson, former public servant, Government of Saskatchewan and moderated by Ron Crowe, executive-in-residence, Johnson-Shoyama Graduate School of Public Policy
- Feb. 12, 10:30-noon, Prairie Room, Diefenbaker Building, a conversation with Bruce Wallace, editor of *Policy Options*, entitled *The New Media And Public Policy: How Digital Media Changes The Public Debate*

### Philosophy in the Community

- Feb. 13, 7 pm, The Refinery, 609 Dufferin Ave., Len Findlay, Department of English, presents *Occupying Philosophy in Neoliberal Canada*.

### Microbiology and Immunology

4-5 pm, Room B3 Health Sciences Bldg.

- Jan. 31, Ethel Atanley, MSc student, Department of Microbiology and Immunology, presents *Impact of HCV antigen(s) and TLR agonist(s) treatments on dendritic cell-based vaccination*
- Feb. 7, Volker Gerds, VIDO-Intervac and veterinary microbiology, presents *Resurgence of pertussis (whooping cough) and the need for more effective vaccines*
- Feb. 14, Baljit Singh, professor and associate dean, research, presents *Silencing neutrophils with angiotensin*
- Feb. 28, Francois Meurens, VIDO, presents *The pig as model to study human infectious diseases*
- March 14, Linda Chelico presents *Restriction of HIV-1 replication by hypermutation: reassessing paradigms of the APOBEC3 DNA deaminases*

### Sorokin Lecture

- Feb. 7, 7 pm, Arts 241 Neatby-Timlin Theatre, Rick Helmes-Hayes will present the 44th annual Sorokin Lecture entitled "A perfect sociology, perfectly applied": *Sociology and the Social Gospel in Canada's Protestant Denomination Colleges, 1900-1930*

### Geography and Planning Colloquia

Fridays at 3:30 pm in Room 146 Kirk Hall

- Jan. 25, Jay Sagin presents *Hydrologic modeling in arid and inaccessible watersheds: Pishin Lora Basin, Pakistan*
- Feb. 1, Gareth Perry presents *Space-time variability of polar cap patches*
- Feb. 8, John Acharibasam presents *Efficacy of strategic environmental assessment processes in Canada*
- Feb. 15, Ty Czerniak presents *Uncovering walkability in a winter-city: An infill strategy for downtown Saskatoon*
- March 1, Evan Siemens presents *Effects of climate variability on hydrological processes in Canadian Rockies' headwaters*
- March 8, Gale Hagblom presents *International Women's Day Lecture: "Aboriginal women's urban housing"*
- 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*

### Veterinary Microbiology Seminars

Room 2105 WCVM

- Jan. 25, 12:30-1:30 pm, Jennifer Town, PhD student, presents *Characterization of the microbial communities during anaerobic digestion of distillery waste*, and Matheus Costa, MSc student, presents *Microbiome assessment and diagnostic aspects of a novel swine associated *Brachyspira* species*
- Feb. 8, 12:30-1:30pm, Rohini Sachdeva, PhD student, presents *The role of neutralizing antibodies in PRRSV infection*, and Lisanework Ayalew, PhD student, presents *The role of polypeptide VIII of bovine adenovirus-3 in virus replication*.

## ■ The Arts

### Aboriginal Storytelling

Saskatchewan Aboriginal Storytelling 2013 marks its 10th anniversary Feb. 6 by featuring Tlingit actor, storyteller, comedian and playwright, Sharon Shorty, from the Yukon. Also performing will be Indigenous Aymara musician Rodolfo Pino. Acting performance for local schools starts at 1:45 pm; music performance at 2:45 pm; acting performance for university community starts at 3:30 pm. All performances are in Arts 241. For more information contact Deborah Lee, University Library, [deborah.lee@usask.ca](mailto:deborah.lee@usask.ca) or 966-6019.

### Amati Concert

The Amati Quartet along with guest pianist Bonnie Nicholson, presents *Hungarian Rhapsody*, a selection of works by Haydn, Brahms, and Dohnanyi, Jan. 26 at Third Avenue United Church. Performances are at 2 pm and 7:30 pm. For details, visit [www.amatiquartet.usask.ca](http://www.amatiquartet.usask.ca)

### Choir Workshop, Performance

The U of S Greystone Singers and the Elmer Iseler Singers, under the direction of Lydia Adams, will host a choir workshop Jan. 31 from 2:30-3:50 pm in Knox United Church. Anyone is welcome to attend. The two groups will give a public performance at 7:30 pm on Jan. 31, also in Knox United Church.

### Silent movie with the SSO

Brian Unverricht, a sessional lecturer in the Department of Music, will conduct the Saskatoon Symphony Orchestra at the Roxy Theatre on Feb. 23 as it accompanies a showing of the 1920 silent movie *The Mark of Zorro* starring Douglas Fairbanks. The orchestra will play music composed and arranged Rick Friend of Los Angeles for two showings, at 1 and 7 pm. Tickets are available at the door or by contacting the Saskatoon Symphony at 665-6414. Unverricht also does the 6:55 pm pre-concert chats before each main series concert of the symphony.

### Russian Heart and Soul

The Elixer Ensemble will perform piano trios and quartets by Rachmaninov, Schnittke, Shostakovich and Teneyev in a program entitled *The Russian Heart and Soul* Feb. 2 at 2 and 7:30 pm in Convocation Hall. Tickets are available on the ensemble website or at McNally Robinson Booksellers.

### College Art Galleries

Opening Feb. 8 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.

## ■ Huskies@Home

### Men's Hockey

- Jan. 26, 7 pm vs. Regina
- Feb. 1 and 2, 7 pm vs. Calgary

### Women's Hockey

- Jan. 25, 7 pm vs. Mount Royal
- Feb. 8 and 9, 7 pm vs. Pronghorns

### Men's Volleyball

- Jan. 25 and 26, 8 pm vs. Brandon
- Jan. 31, 8 pm vs. Regina
- Feb. 8 and 9, 8 pm vs. Manitoba

### Women's Volleyball

- Jan. 25 and 26, 6:15 pm vs. Brandon
- Jan. 31, 6:15 pm vs. Regina
- Feb. 8 and 9, 6:15 pm vs. Manitoba

### Men's Basketball

- Feb. 1 and 2 vs. Winnipeg
- Feb. 15 and 16, 8 pm vs. U of A

### Women's Basketball

- Feb. 1 and 2, 6:15 pm, vs. Winnipeg
- Feb. 15 and 16 vs. U of A

### Track and Field

- Jan. 25-26, Sled Dog Open

## ■ Conferences

### Leadership Conference 2013

Leadership Conference 2013: Leverage Your Leadership Edge takes place May 8 and 9 at TCU Place in Saskatoon. Priority registration ends Jan. 31. Keynote speakers include Ken Blanchard, Jeremy Gutsche and Rick Mercer. For more information, go to [www.leadershipconference.usask.ca](http://www.leadershipconference.usask.ca)

### Linking Agriculture, Nutrition and Health

The U of S and its partner institutions is hosting the Linking Agriculture, Nutrition, and Health Conference 2013 - From Field to Fork: Improving Human Nutrition in Vulnerable Societies using an Agro-Systems Approach Feb. 6-8. The event is for Canadian International Food Security Research Fund project teams and others interested in this global food security initiative. The gathering will explore ways to synthesize the contribution of CIFSFR projects to nutritional outcomes and create a productive forum to explore nutrition linkages in agriculture and food security research. For more information, go to [usask.ca/nutritionfoodsecurity-health/index.php](http://usask.ca/nutritionfoodsecurity-health/index.php)

### Saskatchewan

#### Youth Symposium

The first Saskatchewan Youth Symposium, a series of workshops and presentations aimed to address issues like internationalization, innovation, sustainability and urbanization starts Jan. 25 and continues Jan. 26 at the U of S. Speakers include Lionel LaBelle, CEP and president of STEP; Eric Anderson, resources specialist and broadcaster for Rawlco Radio; The Honourable Lyle Stewart, Minister of Agriculture; and Nazeem Muhajarine, U of S professor and chair in community health and epidemiology. Detailed information can be found at [saskyouthsymposium.eventbrite.ca](http://saskyouthsymposium.eventbrite.ca)

## ■ Courses/Workshops

### U-Speak Sessions

U-Speak Sessions: Communicating in Canada, free workshops for international students to develop English skills, take place in the training room of the International Student and Study Abroad Centre, Lower Place Riel from 4-5:30 pm

- Jan. 29, *Conversations with Canadians*: a session that will involve the chance to speak with Canadian students in university settings.
- Feb. 5, *Practice and Self-Correction*: learn the three stages of self-correction to improve English skills.

### Library Workshop Series for Scientists and Engineers

The University Library is offering a series of 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

- Jan. 29, *Library Services for Grad Students and Faculty*: Learn how the library can support your research and teaching; and pick up some general library tips.
- Feb. 12, *Literature Searching Tips and Tricks*: Learn some effective search strategies for finding articles in literature databases.
- Feb. 26, *Managing References with RefWorks*: Set up an account, import some references, and create a bibliography.
- March 12, *Keeping Current with Literature*: Strategies for keeping up-to-date with the scholarly literature in your field: from email alerting services to rss feeds.
- 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.

- Jan. 28, 1 pm, Education Bldg., Room 1037
- Feb. 14, 11:30 am, Health Sciences Bldg., Room A203
- Feb. 26, noon, Engineering Bldg., Room 2B04 (Delta Lab)
- 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.

- Jan. 29, 1-3:30 pm and Feb. 1, 9-11:30 am, *Assisting Distressed Students*: Warning signs, approaches and referral options, a framework for understanding, recognizing and addressing student distress will be presented, including guidelines for when and how to involve other services on campus.

- Feb. 5, 9-11:30 am and Feb. 7, 1-3:30 pm, *Critical Race Theory: Let's 'Walk the Talk' together*. This session assists advisors in identifying and understanding mission, mandate and decision-making processes.
- March 4, 1-3 pm and March 5, 9-11 am, *Weaving Career Conversations in your Academic Advising Sessions*. This session will focus on enriching participants' understanding of career guidance as an element of holistic academic advising.
- 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.ccede.usask.ca](http://www.ccede.usask.ca) or call 966-5539

### Business and Leadership Programs

- Leadership Development Program, March 5-April 2
- Building an Effective Team, Feb. 27
- Emotional Intelligence, March 6
- Professional Selling: Skills for Sales Success, March 12-14
- Technical Writing, March 13
- The Seven Habits of Highly Effective People, March 19-29

### USCAD Winter Classes

- Portrait Photography, March 2, 3, 30, 31
- Digital Camera Basics, March 1, 2, 15, 16
- Digital Camera Basics, March 1, 2, 15, 16
- Watercolour I/II, April 12, 13, 14, 19, 20, 21
- Welding in Sculpture, Feb. 28, March 2, 3, 9, 19
- Outdoor Scene and Landscape Photography II, Feb. 23, 24
- Glass Mosaics, April 19, 20, 21
- Glass Fusion I, March 16, 17
- Glass Fusion II, April 6, 7
- Glass Fusion III, April 27, 28
- Off the Grid: Exploring Texture, Colour, Shine and Design with Found Objects, Gold Leaf and Acrylic Media, Feb. 1, 2, 3, 8, 9, 10

### Community Music Education Program

Parenting with music – new session starts in Jan.. Private lessons in guitar, traditional piano, Suzuki piano and violin are also offered. For information about our Fanfare! Children's Choir contact Nicole Wilton Elliott at 966-5625.

### U of S Master Gardener Program Spring Renewal

Feb. 23, 9 am to 4 pm, keynote speaker Lyndon Penner presents *Gardeners that Inspire* and Sara Williams gives her plant picks from her book *Best Plans for Water Conserving Gardens*. Afternoon breakout sessions include *Azaleas and Rhododendrons*, and *Botanical Latin*. \$78.75 (full day including lunch) or \$40.95 (half day without lunch). On Feb. 24, Penner will conduct two workshops – *In the Pond- Care and Selection of Water Plants and Bad Landscaping* (\$40.95 each). Fee for both days is \$145.95 (no lunch provided on Sunday).

### U of S Language Centre Programs

Classes offered include French Level 1-7, Spanish Level 1-7, Portuguese Level 1, Italian Level 1, Japanese Level 1-2, and German Level 1-2. Also Japanese for the traveller. \$195 excluding GST.

### Continuing Education and Development for Nurses

For more information go to [usask.ca/nursing/cedn](http://usask.ca/nursing/cedn)

- Jan. 31, *Harm Reduction in a Continuum of Care - E-Learning event*
- Feb. 7 – 8, *POGO Women's and Children's Health: A Conference for physicians, nurses, midwives and other healthcare providers*

- Feb. 7, Reducing Childhood Obesity in Saskatchewan E-Learning event
- Feb. 28, Demystifying Oral Health Lessons in Saskatchewan E-Learning event

**Gwenna Moss Centre for Teaching Effectiveness**

For more information and to register for workshops visit [usask.ca/gmcte](http://usask.ca/gmcte).

- Jan. 31, 1:30 - 3:30 pm, Understanding Student Uncertainty and Difficulty: Threshold Concepts in the Disciplines with Brad Wuetherick, GMCTE
- Feb. 8, 2 - 3:30 pm, Team Teaching in Large Classes with Kent Kowalski and Leah Ferguson, Kinesology
- Feb. 11, 2:30 - 4 pm, Bridging Indigenous and Scientific Ways of Knowing in Higher Education with featured guest speaker Herman Mitchell, executive director, NORTEP
- Feb. 13 1:30 - 3 pm, Building Communication in the International Teaching Assistant (ITA) Classroom with Amelia Horsburgh, GMCTE
- Feb. 19-22, Course Design Institute. For more information contact [heather.ross@usask.ca](mailto:heather.ross@usask.ca)
- Feb. 20, 1-4 pm, First Nations Protocols and Teachings: A waskamisiwin event with special guests Barry Ahenakew and Louise Halfe
- Feb. 26 1:30 - 3 pm, The Academic Dishonesty Gamble: How Students May Be Assessing the Risks in Your Class with Susan Bens, GMCTE
- March 7, 2-3 pm, Learning Objectives or Learning Outcomes? What's the difference?  
with Leslie Martin, GMCTE
- March 14, 1:30 - 3:30 pm, Embedding Research and Inquiry Skills Across Undergraduate Learning Environment with Brad Wuetherick, 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](http://usask.ca/wsep/web_course)

- Biosafety: classes available online
- Standard First Aid with CPR A: Jan. 30 and 31, 8 am-4:30 pm
- First Aid Recertification Course: March 11, 8 am-4:30 pm
- Laboratory Safety: Feb. 11, March 13, 8:30 am-4 pm
- Occupational Health Committee Level 1 Training: Feb. 6 and 7, 8:30 am-4:30 pm and 8:30-noon (Feb. 7)
- Radiation Safety: April 11, 8:30 am-4 pm
- Safety Orientation for Employees: Jan. 28, Feb. 26, 1-4 pm
- Safety Orientation for Supervisors: Feb. 13, 1-4 pm, March 15, 9-noon
- Transportation of Dangerous Goods (Receiver): March 6, 11-noon
- Transportation of Dangerous Goods (Refresher): March 6, 1-4 pm
- 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](mailto:execed@edwards.usask.ca) or visit [edwards.usask.ca/execed](http://edwards.usask.ca/execed)

- Agile Fundamentals for Project Managers and Business Analysts, Jan. 28-30, Saskatoon
- The Effective Executive Leadership Program, Feb. 2-8, Elk Ridge Resort
- Team Leadership Skills for Project Managers, Feb. 19-21, Saskatoon
- The Project Management Course, March 18-20, Saskatoon
- Spring Forward: Grandey Leadership Luncheon, March 21, Saskatoon
- The Business Analyst's Course, April 10-12, Regina
- The Effective Executive Leadership Program, Summer May 31 - June 7, Waskesiu

- The Project Management Course, June 24-26, Regina

**ICT Training Services**

For information or to register, email [training@usask.ca](mailto:training@usask.ca) or visit [training.usask.ca](http://training.usask.ca)

- Adobe Acrobat 9/X Professional Introduction Course, Feb. 19 and 21, 9-noon, \$125 students, \$150 staff and faculty; \$185 others
- Adobe Illustrator - Introduction, Feb. 12 and 14 OR March 19 and 21, 1:30-4:30 pm, \$125 students, \$150 staff and faculty; \$185 others
- Adobe InDesign - Introduction Course, Jan. 22 and 24, 9-noon, \$125 students, \$150 staff, and faculty; \$185 others
- Adobe Photoshop - Intermediate Course, Feb. 26, 9 am-4:30 pm, \$125 students; \$150 staff and faculty; \$185 others
- Adobe Photoshop - Introduction Course, Feb. 5 and 7, 1:30-4:30 pm, \$125 students; \$150 staff and faculty; \$185 others
- Adobe Photoshop - Photo Retouching Course, Feb. 20, 1:30-4:30 pm, \$75 students; \$100 staff and faculty; \$125 others
- BbLearn / U of S Course Tools - Fundamentals Seminar, Feb. 8 OR March 1, 1:30-3 pm OR Feb. 14, 9-10:30 am, \$0 staff and faculty
- HTML Basics Workshop (with HTML 5 Overview), Jan. 25, 1:30-4 pm, \$25 students; \$50 staff and faculty; \$100 others
- iPad Tips and Tricks (iOS 6), Feb. 21, 2:30-4 pm, \$0 students; \$50 staff and faculty; \$75 others
- IT4U - iPad Tips and Tricks, Feb. 21, 2:30-4 pm, \$0 students
- IT4U - Make the Most of Your Mac - Introduction, Feb. 13, 3-4:30 pm, \$0 students
- Make the Most of Your Mac - Introduction, Feb. 13, 3-4:30 pm, \$0 students, staff and faculty; \$75 others
- MS Access - Fundamentals, Feb. 19 and 21, 1:30-4:30 pm, \$125 students, \$150 staff and faculty; \$185 others
- MS Access - Fundamentals Plus, Feb. 12 and 14, 1:30-4:30 pm, \$125 students, \$150 staff and faculty; \$185 others
- MS Excel - Fundamentals Plus, Feb. 26 and 27, 9-noon, \$125 students, \$150 staff and faculty; \$185 others
- MS Excel - Fundamentals, Feb. 5 and 7, 1:30-4:30 pm, \$125 students, \$150 staff and faculty; \$185 others
- MS Office 2010 - What's New Seminar, Jan. 30, 10-noon, \$0 students, \$50 staff and faculty; \$75 others

- MS Outlook - Fundamentals Plus, March 26, 1:30-4:30 pm, \$75 students; \$100 staff and faculty; \$125 others
- MS PowerPoint - Fundamentals, March 12, 1:30-4:30 pm, \$0 students, staff and faculty; \$125 others
- MS Word - Fundamentals, March 5 and 7, 9-noon, \$125 students, \$150 staff and faculty; \$185 others
- MS Word - Fundamentals Plus, Feb. 5 and 7 OR March 26 and 28, 9:00 am-noon, \$125 students, \$150 staff and faculty; \$185 others
- SharePoint 2010 Introduction, Jan. 29, 1:30-4:30 pm, \$75 students, \$100 staff and faculty; \$125 others
- Faculty Workshops: contact [training@usask.ca](mailto: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](http://training.usask.ca) for more information.

**Miscellany**

**Financial Town Hall**

The fourth in a series of town hall meetings to discuss the university's operating budget adjustment process will be held Feb. 26 from 12:30-1:30 pm in Convocation Hall.

**Submit Coming Events**

Information for Coming Events will be accepted until 5 pm on deadline day.

Next OCN: Friday, Feb. 8, 2013  
Deadline: Thursday, Jan. 31, 2013  
[ocn@usask.ca](mailto:ocn@usask.ca), fax 966-6815  
or use web submission form at [www.usask.ca/ocn](http://www.usask.ca/ocn)

**ELMER ISELER SINGERS**

Lydia Adams, Artistic Director

*Canada's internationally acclaimed professional choir*

**THURSDAY, JANUARY 31st 7:30 p.m.**  
**KNOX UNITED CHURCH**

Tickets available from McNally Robinson, Place Riel Info Centre, and online via [www.saskatoonchambersingers.ca/eis](http://www.saskatoonchambersingers.ca/eis)

*Presented by the Greystone Singers and Saskatoon Chamber Singers*

**ocn Publishing Schedule 2012-13**

No.	Issue Date	Deadline Date
11	Feb. 8, 2013	Jan. 31, 2013
12	March 1, 2013	Feb. 21, 2013
13	March 15, 2013	March 7, 2013
14	March 28, 2013	March 21, 2013
15	April 12, 2013	April 4, 2013
16	April 26, 2013	April 18, 2013

Send letters to the editor or viewpoints to [ocn@usask.ca](mailto:ocn@usask.ca)

**Donna Bretell is retiring!**

After 30 years in the College of Arts & Science, Donna is retiring.

Please join us to thank Donna for everything she has done for the College and for the University of Saskatchewan.

**Wine and Cheese Celebration!**

**Tuesday, February 12, 2013**  
**4:31 p.m. to 7:00 p.m.**  
**Gordon Snelgrove Gallery**  
**191 Murray Building**

Please RSVP to [lori.slater@usask.ca](mailto:lori.slater@usask.ca) by Friday, February 1, 2013

If you would like to contribute to the gift for Donna, please see Arlene Pond in the UGSO (Arts 265) by February 1, 2013.



# 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](mailto:ocn@usask.ca)



## Under the lights

The hum of machinery is constant in the phytotron, a collection of over 180 growth chambers located in the Agriculture Building. Facility Manager Adam Harrison said his family sometimes complain that he talks loudly when he gets home from work, but what interesting work it is.

In those chambers, plants happily grow in conditions that take the guess work out of research, Harrison explained. By controlling for day/night cycles, temperature, humidity and light levels, researchers can be assured there are no outside influences on their results. The chambers range from about seven to 178 sq. ft. and total a little over 8,000 sq. ft. making the U of S phytotron the largest facility of its kind in Canada.

On occasion, people need controlled environments for things other than plants. Harrison said he's seen tiger salamanders and even a human in the chamber. Yes, the phytotron was used to chill a living person for a study into the shivering reflex. All the necessary paperwork was in order, he added.



**Adam Harrison,  
facility manager of  
the phytotron growth  
chambers.**



Watch Adam Harrison's video tour of the phytotron in the Feb. 1 e-newsletter *On Campus Now* e-newsletter.