

SALUTING THE HUSKIES

Huskie Athletics handed out its major awards April 4 at the annual Huskie Salute. Taking home the top prizes were, from left to right, hockey player Brennan Bosh, all-round male athlete; coach of the year Steve Kook from women's hockey; hockey player and rookie of the year Kendall McFaul; female athlete of the year Dalyce Emmerson from the basketball program; basketball player Riley Humbert, all-round female athlete; and hockey player Kaitlin Willoughby, female rookie of the year. Missing from the photo is hockey player Derek Hulak who was awarded the E. Kent Phillips Trophy for male athlete of the year. Full details are available on the Huskie Athletics website.



JOSH SCHAEFER

Replacing Rutherford

U of S looks at options for new ice facility

COLLEEN MACPHERSON

The University of Saskatchewan is looking for a way to meet its need for a new ice rink without increasing its capital or operating costs.

In April, the office of Corporate Administration will issue a request for expressions of interest in building an ice facility in College Quarter. Much like the process used for the hotel development announced in November, any agreement would involve a long-term land lease to an outside firm that would build and operate a rink, explained Judy Yungwirth, director of Corporate Administration.

After the hotel development was announced, Yungwirth said she received a number of informal inquiries about the university's plans to replace Rutherford Rink, which was built in 1929 and is among the oldest facilities in the country still used for Canadian Interuni-

versity Sport competition.

"I think it's time to determine exactly what the level of interest is, and to find out if we can get a new facility without incurring additional capital or operating costs."

While she declined to give details of what parameters would be set around any proposal, Yungwirth said the university's "primary need is to replace Rutherford which means we need access to one ice pad almost full time."

Carol Rodgers, dean of the College of Kinesiology, said with more than 800 students playing Campus Rec hockey plus the Huskies hockey programs, any ice surface would be well used. And a new facility "would make an overall contribution to College Quarter and to the athletic-recreational space there. It's another facility students can access that will enhance their



Yungwirth

opportunity to participate in physical activity and meet the overall vision of the athletics, health and wellness area in College Quarter."

She added a new ice facility presents an opportunity to upgrade secondary features like the sound system and press

"I think it's time to determine exactly what the level of interest is, and to find out if we can get a new facility without incurring additional capital or operating costs."

Judy Yungwirth

boxes, "things you'd like to see at a higher level than we have now." Better-developed training facilities, locker rooms and coaching space "would certainly make it a better experience for student-athletes and coaches."

Yungwirth said the timing for issuing the request for expressions of interest is good because infrastructure servicing of the College Quarter north-east precinct, including roads and sewer, water and electrical lines, will begin this summer to accommodate the hotel that will be located along College Drive just north of Griffiths Stadium.

The master plan for College Quarter includes an ice facility but "it's moveable. We're still in an early enough stage of development that a rink can be accommodated just about anywhere on the north-east site."

She said the request for submissions will be provided to those companies that contacted the university directly, and it will also be advertised. She expects it will be mid-summer before any proposals can be analyzed and a decision made "that's in the best interest of the university given our current financial situation." ■



KRIS FOSTER

CAMPUS SWEAT

Cultural Co-ordinator Bob Badger puts the finishing touches on the site of a sweat lodge built April 2 beside the Education Building. In addition to constructing the lodge, with the help of his brother-in-law Glen Worm, out of 12 willow poles covered in tarps and canvas, and chopping the wood necessary to heat the rocks, Badger conducted sweat tutorials and led sweats April 2, 3 and 4. He said he would like to see regularly scheduled sweats on campus. "We could do them daily. That's how we live."

Medicine restructuring in progress; work is largely behind the scenes

COLLEEN MACPHERSON

Although there is little visible from the outside, on the inside work continues apace on enacting a plan to fundamentally restructure the university's College of Medicine.

"I describe it as a work in progress," said Martin Phillipson, a professor of law and the vice-provost of organizational restructuring for the college. "The analogy I use is that we're renovating the house while we're still living in it. We still have a college to run and everyone is working very hard but it's not happening in the public sphere."

The one public piece that Phillipson described as critical to the restructuring plan was the announcement in December that Dr. Preston Smith, currently senior associate dean of education at Dalhousie University's Faculty of Medicine, will assume the deanship in Saskatoon July 1. "Our job now is to put the building blocks in place for the new dean," he said.

Efforts to restructure the college, including designing a governance model in line with



Martin Phillipson, vice-provost of organizational restructuring in the College of Medicine

COLLEEN MACPHERSON

other medical schools in Canada, have been underway since April 2012, with formal approval in principal of a vision document taking place in December of that year. Structural change was required to address critical issues of accountability, assignment of duties and realignment of resources to significantly improve teaching and research outcomes.

Phillipson said although Smith does not take office for

some months, he has been monitoring progress on the implementation plan closely. Smith has made a number of visits to Saskatoon, Phillipson has spent time with him in Halifax and the incoming dean gets regular updates inbetween.

"The new dean will be essential in pulling people together, in putting together a new leadership team that will turn the restructuring plan into reality," said Phillipson. On that

"We still have a college to run and everyone is working very hard but it's not happening in the public sphere."

Martin Phillipson

front, work is nearing completion on filling the position of chief operating officer for the college. He added a national search is about to begin for a vice-dean of research, "somebody with a vision who will set the course of medical research in the college and in the province." There are also four unified department head positions that need to be filled on a permanent basis.

A key element of the restructuring is streamlining service between the college and health regions for the delivery of both academic instruction and clinical care. That work is "moving along," said Phillipson.

"One of the most significant pieces of work continues to be our work with government and health regions to design a better way to pay physicians who want to contribute a significant amount of their professional time to both teaching and research. Currently, the funding model is not as balanced as we need it to be. All parties are working hard on this, and we're making progress."

There is also work going on with the provincial Ministries of Health and Advanced Education to rework the way the college is funded. Again, it involves the health regions and issues like how funding flows through the college, he said. Current funding is secure and a restructured budget should be in place by next year. Phillipson said the government's involvement exemplifies its commitment "to helping us design a 21st-century medical school."

All of this, he added, is taking place while the College

See *Students*, Page 9

4th Annual SoTL Symposium — May 1 & 2, 2014

Call for submissions

The Centre for Discovery in Learning (CDL), in conjunction with the Gwenna Moss Centre for Teaching Effectiveness and the Vice-Provost (Teaching and Learning), are proud to host an Annual Symposium for the Scholarship of Teaching and Learning (SoTL). This symposium celebrates the diverse research being conducted on teaching and learning in higher education across the U of S campus, and also provides opportunities for faculty, sessionals, staff and graduate students new to SoTL to learn more about it.

Call for Submissions



We invite submissions for four different types of teaching and learning related presentations:

1. Watercooler chats
2. World Café
3. Poster session
4. Research presentation

Deadline for submissions is April 14

Transition program back on campus

CHRIS PUTNAM

The College of Arts and Science Transition Program is making a transition.

Starting this fall, the program will be housed directly on campus instead of at Royal West, the Saskatoon Public Schools adult-education facility, where it has been based since its inception.

The program was established in 2005 when the university raised its admission standards, explained Gordon DesBrisay, associate dean of students for the college. High school graduates whose grades fell short of the new requirements were offered enrollment as transition students; they would take standard arts and science courses in smaller classes with a

“They were worried it wasn’t, in their words, ‘authentic’ in terms of a university experience.”

Gordon DesBrisay

close-knit group of peers. If they did well, they continued on as regular students.

Countless success stories resulted from the program and nearly all participants spoke positively about their experiences, said DesBrisay. But one complaint always recurred, “that they would have preferred



DesBrisay

to be on campus. They were worried it wasn’t, in their words, ‘authentic’ in terms of a university experience.”

The program administrators always hoped to accommodate

that request, he said, but without dedicated space on campus, they were concerned the strong sense of community that had been key to the program’s success would be lost.

Then a “breakthrough” occurred with the founding of the Aboriginal Student Achievement Program, said DesBrisay. Students move through that program in learning communities, meeting regularly in different locations on campus but always with the same group of peers.

“Even without a separate building, they still created that sense of spirit and collective support. So we realized maybe we could do that with the transition program,” he said.

Transition-program students will use a similar model, enrolling as a group in standard classes while being provided some extra skills training and support.

Moving to campus brings many other benefits. The students will have the same access as any student to services like health care, counselling, the library and the PAC.

The move comes with some minor cost savings, but the primary driver was always to provide better opportunities for students, DesBrisay said. No job losses will result from the change. ■

Chris Putnam is communications officer in the College of Arts and Science.

Policy change recognizes transgender people

An update to the University of Saskatchewan’s Discrimination and Harassment Prevention policy gives protection specifically to transgender people, something they do not have under the Saskatchewan Human Rights Code.

The U of S Board of Governors approved the policy revision March 18 that identifies gender expression, gender identity and two-spirit identity as prohibited grounds for discrimination and harassment.

Also added to the prohibited grounds section were physical weight or size.

U of S student Jack Saddleback, who is also co-ordinator of the USSU Pride Centre, was involved in the effort to change to policy to create what he described as “concrete rights for transgender people. Having transgender people specifically identified (in the policy) helps to alleviate any confusion.”

To prohibit discrimination on the basis of sex only, as is the

case with the previous version of the U of S policy, is not detailed enough, said Saddleback, who explained people are made up of four different parts related to gender: gender identity which is a person’s internal perception of gender; gender expression or how gender is displayed or expressed; sex “which is what’s between a person’s legs”; and sexual orientation which relates to romantic choices.

And for everyone, “some-

times they quote-unquote match up, and sometimes they don’t. That’s life.”

Saddleback said he was very pleased with the support he received from all levels of the university in the process of getting the policy changed. “I think all folks can feel this is a big win.”

Speaking after a public Board of Governors session, Chair Susan Milburn said the decision was an easy one for the board as it makes the university

“a more inclusive and comfortable place.”

While the U of S policy is based on both The Saskatchewan Human Rights Code and the Occupational Health and Safety Act, neither provides specific protection for transgender people although the Saskatchewan Human Rights Commission recently found the rights of a transgender woman had been infringed under Section 12 of the human rights code. ■

McAvoy wins 3M fellowship

Shannon McAvoy has become the second-ever U of S student to receive the prestigious 3M National Student Fellowship.

McAvoy, a third-year regional and urban planning student, is one of 10 students across Canada to be awarded a 2014 fellowship, which recognizes outstanding leadership in the academic sphere.

The Society for Teaching and Learning in Higher Education (STLHE), which administers the awards, cited McAvoy’s extensive volunteer experience as well as her “self-direction, maturity, passion and engagement” in choosing her for a 2014 fellowship.

McAvoy volunteers as a peer mentor for the University Learning Centre, sits on the executive of the Planning Students Association and volunteers for prison outreach activities through St. Thomas More College’s Service and Justice Project. She has been part of the Huskies track and cross-country teams, organized the 2013 Catholic Students Associ-



McAvoy

ation Conference and worked for the summer performing cultural history mapping for the city.

“I’m really honoured,” said McAvoy, who credits the many volunteer opportunities available on campus and the support she received during the application process as contributors to her success.

Fellowship recipients are given \$5,000 and an invitation to the annual STLHE conference in June, where they will collaborate on a project. ■

FROM THE ARCHIVES

Bowling champs



PATRICK HAYES, U OF S ARCHIVES

This issue’s image is the “Winners of the Eaton Trophy – Manitoba Lawn Bowling Tournament – Aug 1925”. The Saskatoon team featured, from left to right, lead P. Steele (photographer), third W. Lockhart (tailor), skip W.J. Rutherford (Dean of Agriculture) and his son second Jack Rutherford (student). The senior Rutherford was a keen sportsman but because of a childhood leg injury was restricted to lawn bowling and curling, sports at which he excelled. ■

MG480

NEW TO US



Marta Erlandson

When it comes to building strong bones, a little gymnastics goes a long way and for a long time, according to Marta Erlandson, assistant professor in the College of Kinesiology.

She explained that while it was known elite gymnasts develop much stronger bones than sedentary youths or even other athletes, no one knew if this held true for recreational gymnasts. This became the subject of her master's and PhD research at the U of S.

"They (children) had better bone parameters even after an hour or so a week of participation."

The roots of Erlandson's research lie in her upbringing in Saskatoon, competing as a gymnast with the Marion and Can-Am clubs. She competed at the university level for the first two of her undergraduate years before being recruited as a pole-vaulter for the Huskies.

As a student, she became interested in how gymnastic training affected developing bodies. Her work contradicted the notion that such training slowed down how fast athletes matured. It turned out the reverse was true: slow bloomers tended to choose gymnastics, just as their faster-maturing friends were drawn to hockey and football.

After three years of postdoctoral work in osteoporosis at the University of Toronto, Erlandson returned to the U of S, lured in part by its strong bone health research programs. She cites unique decades-long population data from Saskatchewan studies, as well as bone analysis instruments that allow researchers to see not only how much bone there is, but its structure and shape.

"There are only four places in Canada that have these (instruments)," she said.

Erlandson explains exercise is most crucial while the body is growing in the childhood and teen years when bone is being formed.

"If we can increase the amount of bone these children are accruing during childhood, we might be able to get them enough bone that even though they will lose it naturally as they age, they're never going to reach a fracture threshold," she explained. "That's what we hope to do with these childhood interventions." ■

NEW TO US highlights the work of new faculty members at the University of Saskatchewan. If you are new to campus, or know someone who is, please email ocn@usask.ca

Send letters and viewpoints to

ocn@usask.ca

ON CAMPUS NEWS

On Campus News is published 18 times per year by University of Saskatchewan Marketing and 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 \$22 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 U of S community.

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

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Stellar teaching recognized in College of Arts and Science

Ann R.C. Martin from the Department of English, Hugo Cota-Sanchez from the Department of Biology and Robert J. Patrick, associate professor in the Department of Geography and Planning, are this year's recipients of the College of Arts and Science Teaching Excellence Awards.

Patrick, who received the award for the college's Division of Social Sciences, emphasizes active learning in the classroom to help his students connect academic material to real-world issues. His research focuses on the protection of public drinking water supplies, especially within First Nations communities, through land use and watershed planning.

Winner of the science division award, Cota-Sanchez, an associate professor as well as curator of the W.P. Fraser Herbarium, has parlayed a teenage fascination for cacti into a career furthering science's understanding of Cactaceae lineages. In the classroom, he is both intense and fun: "my education philosophy is just being myself."

Martin, an assistant professor and the award recipient in the Division of Humanities and Fine Arts, appreciates the unique and unexpected ways her students respond to material in her classroom. "It's the interactive or participatory nature of culture that interests me," said Martin, "whether that takes the form of a first-year course or the discourse of motoring in interwar Britain."

The award includes \$2,500 for each recipient's professional allowance accounts. ■



Martin



Cota-Sanchez



Patrick

Plans taking shape for relocated beef cattle research facility

✍ MICHAEL ROBIN

Fundraising can now begin in earnest for a new \$14 million, 2,000-head beef cattle research facility to be located south of Clavet thanks to approval from the U of S board of governors and a \$1 million donation from the Saskatchewan Cattlemen's Association (SCA).

"It's extremely important that the cattlemen's association is demonstrating so strongly they are behind us on this project," said Andrew Van Kessel, head of the Department of Animal and Poultry Science, adding that it speaks to the track record of the university's beef program in producing valuable knowledge and highly qualified graduates.

"The industry sees a return on investment in terms of future leaders and practical knowledge that is relevant to their operation," he said.

The new beef facility is needed to replace the current 700-head operation on the east side of the river north of Circle Drive. Beef production has



Submitted



Van Kessel

changed substantially in the five decades since it was built, making it more challenging to conduct research relevant to the industry, said Van Kessel.

As well, the older facility no longer meets Canadian Council on Animal Care (CCAC) standards, largely due to poor drainage in the pens during spring runoff and other wet times of year. Van Kessel said CCAC inspectors praised the efforts of the feedlot manager

and staff to mitigate problems but the ultimate solution is a new research facility.

"We need to ensure our health and welfare practices are acceptable to the consuming public," he said.

Van Kessel explained the cattlemen's contribution will allow the project team to leverage other sources of funding, from government to feedlot supply companies to other related industries with a stake in beef production research.

The new facility is very much a collaborative effort, he said, supported by the Western College of Veterinary Medicine, College of Engineering and the Global Institute for Water Security.

Plans for the new facility include a segregated pavilion area where researchers can demonstrate the latest animal

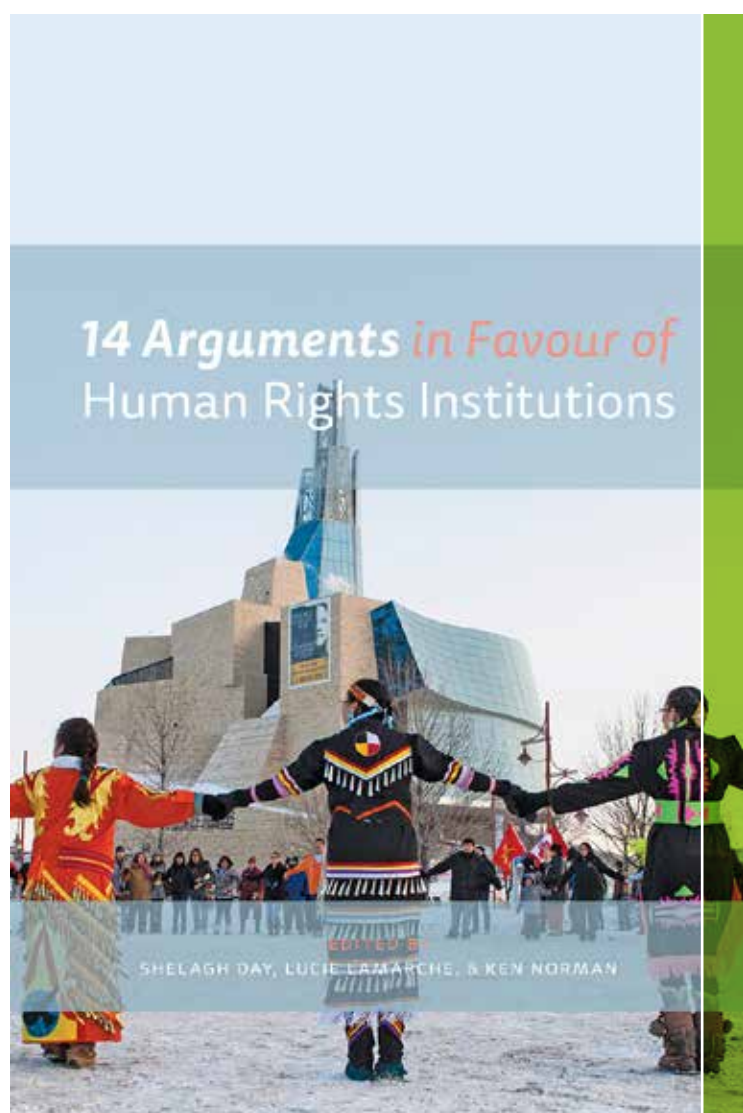
handling and management approaches to students, industry professionals and farmers. A metabolic unit will house animals for detailed physiology and metabolism studies and "from there, we can take what we learn into the research feedlot and scale it up."

The facility itself also will feature three different sizes of pens, designed to answer different research questions: nutrition pens of up to 15 animals each will be used to compare different feeding strategies, feed ingredients and additives; genetic pens with up to 30 animals each will allow for studies of diets to get the best performance from animals with different genetic traits; and health resource pens of up to 200 animals each will mimic commercial feedlot conditions.

A unique aspect of the new facility is designs to allow analysis of runoff from selected cattle pens and extensive monitoring of local surface and ground water. This will be used to study environmental impacts of intensive cattle feeding operations and to develop mitigation strategies for best management practices.

Van Kessel stressed the beef industry's research interests reach far beyond traditional concerns of animal nutrition and health to include issues such as welfare and environmental sustainability.

"As a University we will continue to provide controlled studies which fill gaps in existing knowledge and support informed science-based decisions on management and regulation." ■



Canadian Museum for Human Rights

ARGUING IN FAVOUR

Professor Ken Norman from the U of S College of Law is one of the editors of, and a contributor to, *14 Arguments in Favour of Human Rights Institutions*, a new volume that looks to debunk challenges to current human rights commissions and tribunals. Published by Irwin Law, the book is designed to help readers evaluate criticisms of human rights institutions and ensure they are responding to today's human rights issues. The cover photo features an Idle No More round dance at the site of the soon-to-open Canadian Museum for Human Rights in Winnipeg. ■

U of S SUPPLIER

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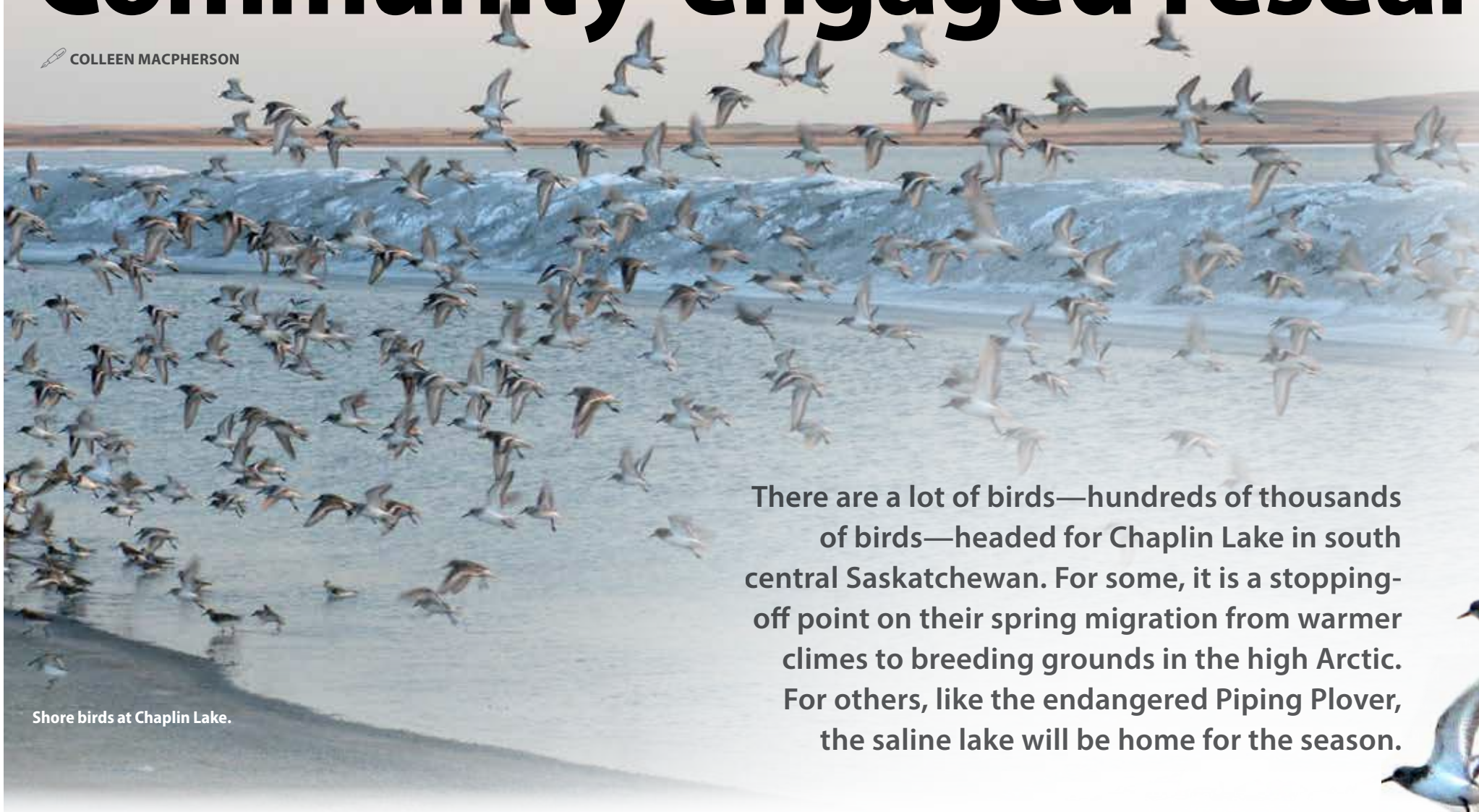
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Community-engaged research

COLLEEN MACPHERSON



Shore birds at Chaplin Lake.

There are a lot of birds—hundreds of thousands of birds—headed for Chaplin Lake in south central Saskatchewan. For some, it is a stopping-off point on their spring migration from warmer climes to breeding grounds in the high Arctic. For others, like the endangered Piping Plover, the saline lake will be home for the season.

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New enhancement chairs announced



Greg Penner, cattle nutrition researcher.

Greg Penner from the Department of Animal and Poultry Sciences and Keith Carlson, history professor and director of the Interdisciplinary Centre for Culture and Creativity, have both been awarded U of S Centennial Enhancement Chairs.

Set up to support research and scholarship in the university's signature areas, the program provides chairs with research grants, chair stipends, teaching assistant stipends and graduate stipends.

Penner was awarded the Centennial Enhancement Chair in Ruminant Nutritional Phys-

iology in recognition of his research in the area of food and bioproducts for a sustainable future, specifically in ruminant animal nutrition that has earned him both national and international attention. Carlson's award—the Centennial Enhancement Chair in Aboriginal and Community-Engaged History—also noted the national and international recognition he has earned through his work in the area of Aboriginal engagement and scholarship.

Both awards begin May 1 for a five-year term which is renewable. ■



Historian Keith Carlson.

Chaplin takes flight in Chaplin

Christy Morrissey, assistant professor of biology, has been doing research at Chaplin Lake for two years, drawn by the chance to study such incredible numbers of migratory shore birds. This spring, though, her focus will be on recruiting and training a special group of people to help her gather data—the people who live on the shores of Chaplin Lake.

Morrissey was one of the recipients of the university's new community engaged scholarship research seed funding and she is using it to get the people of Chaplin involved in her monitoring. It is a project called connecting migratory birds with the community and all it needed was some funding for it to take flight.

"There is literally no funding for engagement that researchers can apply for and yet lots of us like to do it, and lots of us are already doing it," she said. "When the funding was made available, I had a project perfectly aligned."

While bird numbers are high—about half of the entire North and South American population of Sanderlings move through Chaplin Lake on spring migrations—they are declining for reasons that are not yet fully understood. It could be

contamination, loss of habitat or the effects of climate change. Whatever the cause, Morrissey said the people of Chaplin have a real interest in preserving their unique resource.

"They have a nice nature centre there and they have this really abundant, rich lake so it's a perfect combination. The community is looking to protect the lake and the shore birds so the goal is to set up long-term, scientifically based monitoring that gives ownership to the community."

Merci Rapolti, a graduate student in the School of Environment and Sustainability, is helping Morrissey set up a framework for monitoring the shorebirds that will add information to what is already known. It has to be simple enough for people to use but it also must produce information "that is consistent in a given year and between years so the data are comparable," said Rapolti. That means controlling factors like the timing and locations of counts.

But it is more than just counting, she explained. Also important is gathering, for example, the chronology of when various species of birds arrive and depart, and how long they stay at the site. In separate research, Morrissey has banded



Merci Rapolti, left, a graduate student in the School of Environment and Sustainability, and Christy Morrissey, assistant professor of biology.

COLLEEN MACPHERSON

birds that use Chaplin Lake so watchers will also be asked to report those sightings as a way of studying migration patterns and survival rates.

"It's an opportunity to collect real, valid, useful scientific information, and it doesn't matter if you're a scientist," said Morrissey.

This year's work centres on testing and validating components of the framework, said Rapolti, with full implemen-

tation of the "citizen science" project expected for next year's migration.

Morrissey and Rapolti are working with Lori Wilson from the Chaplin Tourism and Nature Centre on the initiative. Morrissey said Wilson is keen to involve school students in the survey process, the selling point being the chance to do hands-on, in-the-field research work.

"The community is thrilled to have scientific research at

their site, full stop. They're 100 per cent on board."

Morrissey and Rapolti will be in Chaplin June 6-7 for the annual Chaplin Shorebird Festival to promote their research and the monitoring project. They will be joined by researchers from Mexico and Salt Lake City, other areas where the birds are monitored "so the U of S is on the map for people who care about these birds," said Morrissey. ■



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Preservation guide for campus

COLLEEN MACPHERSON

About three years ago, someone suggested the President's Residence be torn down to allow more development along the riverbank edge of campus, a suggestion that horrified many, including Andrew Wallace. But it also spurred him on to tackle a project designed to recognize the significance of the remark-

able buildings that make up the University of Saskatchewan.

"I was alarmed," said Wallace, an architect and associate director of space planning in the Facilities Management Division (FMD). "The President's Residence is a heritage building; any reasonable person can see it's a heritage

building and it's probably the best heritage house in Saskatoon but it has no formal protection." So Wallace, along with fellow architect and associate vice-president of facilities Colin Tennent, set out to create a guide to preserving what they view as one of the university's most valuable assets. The result is the U of S Heritage Register.

Wallace explained that heritage buildings can currently have three levels of protection—municipal, provincial or federal designation. The Stone School House and Rugby Chapel are municipal heritage buildings and the Peter MacKinnon Building has both provincial and federal protection. Unfortunately, those designations come with rules and approval procedures that often make it difficult for owners to renovate, restore or expand structures.

The solution was an internal register. "We know how to recognize heritage value," said Wallace, "and with our own guide, we can impose our own requirements for preserving and protecting our buildings."

The first step was deciding which campus buildings and sites belonged in the register. Wallace said the evaluation used the same considerations as other heritage designations, "character-defining elements" like age, quality of construc-

tion, design, spatial configuration and materials. The evaluation criteria were based on Parks Canada's *Standards and Guidelines for the Conservations of Historic Places in Canada*, which Wallace said is the gold standard across the country in

a weight of evidence if there's something important about the building," he said.

In the end, the register divides the buildings and sites into three categories of asset. The first, an A list of 18, requires that any work be carried out in accordance with the Parks Canada standards. The B list, which numbers 16, are buildings and sites where it is recommended but not required that the standards be followed.

The remaining seven buildings have no formal protection but are included in the register because they have some heritage features that need to be considered when alterations are required, Wallace said.

The resulting Heritage Register is a comprehensive, and beautiful, document. The entry for each building includes archival materials like original drawings, detailed descriptions and stunning photographs of the buildings themselves and the various elements that make them special.

See *Heritage*, Page 9

“ We know how to recognize heritage value, and with our own guide, we can impose our own requirements for preserving and protecting our buildings.

Andrew Wallace

heritage building recognition and conservation.

"There's some subjectivity to it," he admitted, "but it's informed subjectivity."

With the help of Megan Fritzler, an architecture master's student from the University of Calgary, 41 buildings were short listed for further inspection, evaluation and documentation of their features. "This builds



Andrew Wallace, associate director of space planning in the Facilities Management Division.

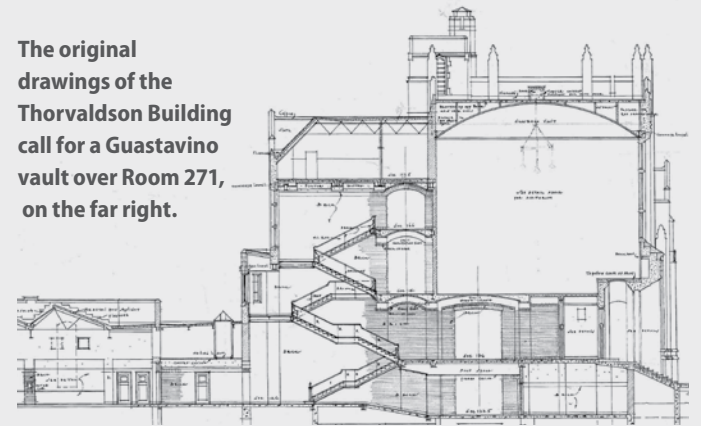
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The original drawings of the Thorvaldson Building call for a Guastavino vault over Room 271, on the far right.



UNIVERSITY ARCHIVES & SPECIAL COLLECTIONS, FACILITIES MANAGEMENT RECORDS, DRAWING TB 15

Unique feature discovered in Rm 271

Doing a thorough inspection of any U of S building will reveal some quirks and maybe even some faults, but it can also reveal some surprises.

That was exactly what happened when Andrew Wallace took a close look at the original plans for the Thorvaldson Building. The architect and associate director of space planning in the Facilities Management Division noticed that those plans called for a Guastavino tile vault over Room 271, officially called the Henry Taube Lecture Theatre but more informally known as the Airplane Room. Curious, he climbed to the top of the building and sure enough, that's what he found.

Guastavino tile is a technique used to build self-supporting vaults with interlocking terracotta tiles and layers of mortar. Patented in the U.S. in 1885, the technique involves laying Guastavino tile, which is less than an inch thick, in herringbone-patterned courses that follow the curve of the roof rather than running horizontally or perpendicular to the curve.

A number of very notable buildings feature Guastavino tile, including Grand Central Terminal, Carnegie Hall and the American Museum of Natural History. The Guastavino dome in the Thorvaldson Building at the U of S can now be added to that list. ■

Students, patients not disrupted

From Page 2

of Medicine is on accreditation with probation. The next site visit by the accreditation bodies is a year away “so we have 12 months to make significant progress on the issues we need to address. The incoming dean is a nationally recognized expert in medical accreditation and his knowledge and experience will prove invaluable in this regard.”

He stressed that two of the key guiding principles for all of the changes going on are that there be no disruption to student education or patient care.

“We made a commitment to this at the outset of the restructuring process and we’ve delivered on that commitment.” Phillipson cited the results of the recent resident recruitment and matching process, which were the best in recent college history. The adoption of a new

undergraduate curriculum is also evidence of positive changes “that will benefit our students and the people of the province.”

Morale within the college has waxed and waned through the process of developing a vision for the future and an implementation plan to get there. “There was a time when people weren’t engaged,” said Phillipson. “Accreditation was a wake-up call but the announcement of the dean was a huge shot in the arm. I have a sense that people realize we have work to do, and they want to be part of changes that will make the college more successful.

“The pace is not always what you’d want it to be and save the appointment of the new dean, there may not be any big announcements, but change is happening in the college and that’s exciting.” ■

Heritage value not in age alone

From Page 8

Wallace said the register will be valuable to both FMD and consulting architects involved in renovation or expansion projects. “It doesn’t force the university’s hands to carry out any particular project but it does say that if we’re going to do a project, here’s how to do it right. It doesn’t say we can’t add on to the Thorvaldson Building, for example, but if we do, the register will guide how the work is done. It comes down to a very simple principle—you ought to take the least invasive approach possible.”

What is interesting about the register is that while many obvious buildings—the Collegiate Gothic collection—are included, others on the list may be a surprise. Wallace reiterated age is not the only determining factor, and that is why the work of architect John Holliday Scott like the Law/Commerce Building from 1967 and the Dentistry Building from 1979 made the registry.

“These are very, very good examples of modernist architecture,” he said. The Law Building

is a particular favourite for Wallace. “I have real admiration for Holliday-Scott having done such thorough work. Law has beautiful spaces, there is a lot of rigour to its design and it’s expressive of both its time and historical context. And it’s cheeky and playful. I actually laughed out loud when I first noticed things like its references to spires and battlements.

“The university has very good examples of all of the major architectural styles of the 20th century and they all fit together. When we only think of the original buildings on campus, we overlook some really good architecture.”

Wallace’s passion for heritage architecture is evident as he turns the pages of the register which will soon be viewable online. “I think we’ve done something pretty unique. Most universities do what we used to do, and that is to take a more ad hoc approach to heritage preservation. I’m looking for opportunities to present this at conferences because I don’t think any other university has this level of documentation. I’m very proud of it.” ■



The bike cage in the Health Sciences parkade.

KRIS FOSTER

Underground lock-up offered to campus cyclists

Cyclists coming to and from campus have a lot of parking options these days.

A recently opened bike cage in the Health Sciences parkade has room for 60 bikes, said Martin Gonzalez De Souza, associate director of Consumer Services. “We are always looking for ways to improve sustainability at the university, and one way to do that is make traveling to and from campus on bikes as easy as possible.”

The underground bike racks, which are located in a secure cage, De Souza explained, are available for rent at a rate of \$20 per month, \$60 for four months, \$90 for six months or \$150 for a year.

With that fee comes an access card allowing cyclists convenient entry into the underground parking facility through

the main entrance. The access card also allows entry to showers, washrooms and change areas.

A survey from 2012 indicated that about seven to 10 per cent of the U of S community biked to work depending on the time of the year, said De Souza. To accommodate the parking needs, Parking And Transportation Services, a division of Consumer Services, has been testing various bike rack options to see which are most used.

“We have 19 bike boxes, pie-shaped containers that can hold a bike and other personal belongings, all across campus,” he explained. “These are popular and convenient because they are located just outside of major campus buildings like the PAC.”

There are also 10 hanging bike racks available in the agriculture parkade, but “when that

space was designed, bike access wasn’t considered, so cyclists have to use the stairs rather than the main entrance which isn’t as convenient.”

De Souza said that the number of spaces rented is the main measure of success for the new bike cage at Health Sciences and will determine whether more spaces will be added. “There is potential to add more spaces in Health Sciences.”

The goal, he continued, is to provide riders as many convenient, secure and affordable options as possible. “Having these options is one way to improve traffic on campus as well.”

To sign up for bike parking in the Health Sciences parkade or for more information on any of the bike storage options, contact Parking Services at 306-966-4502 or parking@usask.ca ■



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Coming Events

Seminars/Lectures

Quebec Election Panel

• April 17, noon-1:30 pm, Prairie Room, Diefenbaker Building, the Johnson-Shoyama Graduate School of Public Policy presents a Quebec election panel featuring Roy Romanow, former premier of Saskatchewan, David McGrane, associate professor of political studies at St. Thomas More College, and Daniel Béland, professor and Canada Research Chair in Public Policy

Archaeology meeting and lecture

• April 16, 7:30 pm, Room 132 Archaeology Building, the Saskatoon Archaeological Society will hold its monthly meeting and AGM. The guest speaker is Denise Huynh who will present 'An SAS Member went on Vacation and all we got was this Lecture': A Look at the Mayan Sites of Lamanai and Chacchoben from a Vacating Archaeologist

The Arts

Snelgrove Exhibitions

Closing April 11 in the Gordon Snelgrove Gallery are BFA shows by Edna Oleksyn, Jessica Sukut and Kaja Coleman. On view April 14-17 with an opening reception April 14 from 7-10 pm is *Out of the Box*, an exhibition of third- and fourth-year photographs. An exhibit of work by Staci Huculak runs April 21-25.

STM Gallery

Showing until April 25 in the St. Thomas More Gallery is *Collaboration: 9th Annual USCAD Instructors' and Certificate Students' Show*. The gallery is located on the second floor of the college, just outside the library.

French Fantasies

The Elixer Ensemble presents French Fantasies April 19 at 7:30 pm in Convocation Hall. The concert includes French chamber music from the late 19th and early 20th centuries plus a tango by award-winning Canadian composer Christos Hatzis. Details can be found at elixerensemble.com

A Queen and Her Country

The Diefenbaker Canada Centre is hosting *A Queen and Her Country*, a travelling exhibit from the Canadian Museum of History, until June 8. The exhibition marks the diamond jubilee of Her Majesty Queen Elizabeth II using artifacts and images to recall her many visits to Canada and her connections to major events in the country's history.

Kenderdine Art Gallery

Showing in the Kenderdine Art Gallery is *Rita McKeough: The Lion's Share*, an immersive experience that includes a visual array of materials and the sounds of a lion eating, all within the space of a faux restaurant. The artist describes the installation as a 3D version of a Looney Tunes restaurant in which things have gone terribly awry. The exhibition, curated by Josephine Mills, continues until April 26.

College Art Galleries

The group exhibition *Ecotopia*, circulated by the Kitchener-Waterloo Art Gallery and on view in the College Art Galleries, explores environmental conservation, destruction and the cacophonous blend of architecture and decay in a technological age from the perspective of a number of artists. The show runs until May 7.

Courses/Workshops

Gwenna Moss Centre for Teaching Effectiveness

For details visit usask.ca/gmcte/events or call 306-966-2231

• April 17, 9 am-4 pm, Station 20 West Classroom, Community-Based Pedagogies with Geraldine Balzer

- April 23, 1-2:30 pm, Planning For Community Engaged Learning with Andrew Dunlop
- April 29, 9-noon, Aboriginal Community-Based Pedagogies
- May 7, 9 am-4 pm, Oskayak High School, Classroom-Based Pedagogy
- May 8, 8:30 am-12:30 pm, Course Design Institute. Applications for Course Design Institute are open; see the GMCTE website. The application deadline is April 25th

Writing Winning Grants

• April 24, 9 am-4 pm, Room 103 Physics, a one-day hands-on workshop for all disciplines with practical, expert, advice from Natasha Waxman, director of publications and writing services, Perimeter Institute for Theoretical Physics, Waterloo, and from U of S grant holders. For more information contact grants.workshop@usask.ca.

Continuing Education for Nurses

For more information visit usask.ca/nursing/cedn

• May 6-7, Integrating Falls Prevention into Nursing Practice, Tisdale

Centre for Continuing and Distance Education

For more information, visit www.ccde.usask.ca or call 306-966-5539

Business and Leadership Programs

- Understanding Self and Others Using MBTI Step II, April 24
- Train the Trainer: A Short Course in Adult Learning, April 28-30
- Leading Innovation, Inspiring Creativity in the Workplace, May 1
- Introduction to Group Facilitation, May 9-10
- Technical Writing, June 24

Crucial Conversations for U of S Employees

• June 16 and 23, Room 224/225 Williams Building, fee \$490

Community Music Education

Parenting with Music and Suzuki Early Childhood Spring classes start May 3 and registration is open for summer music camps. For more information, call Nicole Wilton at 306-966-5625 or visit www.ccde.usask.ca/community-music

U of S Language Centre

Multilingual Conversational Language Classes: for students who have not taken multilingual classes, call 306-966-4351 or email reception.uslc@usask.ca for a language assessment. Textbooks and workbooks are extra (excluding Cree 1)

- French levels 1, 2, 3 and 6: \$205 (GST exempt)
- Spanish levels 1, 2, 3, and 5: \$215.25 (GST included)
- Japanese level 1: \$215.25 (GST included)
- Cree level 1: \$225.75 (textbook & GST included)

One-Week Intensive French Immersion Program: for speakers of all levels.

- Aug. 11 to 16, Monday to Friday, 8:30 am-4 pm and Saturday 8:30 am-noon, Cost: \$540.00 (materials and GST included). Register at ccde.usask.ca/learnlanguages/french-immersion or call 306-966-4351

The French Voyageur for Beginners: for zero to low-level beginner speakers.

- Aug. 8 to 10, Friday 6:30 pm-9 pm, Saturday and Sunday 9 am-5 pm, Cost: \$275.00 (materials & GST included). Register at ccde.usask.ca/learnlanguages/french-voyageur or call 306-966-4351

USCAD Classes

- Stained Glass: Focus on foil work, April 25-27
- Visual Arts Survey I, May 15, 23-25 and June 6-8
- 2D Design I, May 2-4 and 9-11
- Open Sculpture Studio, May 2-4 and 9-11
- Drawing I, May 30, June 1 and June 13-15
- Drawing II and III, May 23-25 and June 6-8
- Drawing and Painting the Portrait II, May 5-June 18
- Painting I, May 6-June 17

- Painting/Towards Abstraction II and III, 2-4 and 9-11
- Creative Digital Photography I, May 5-June 18
- Advanced Photography II, May 6-June 17
- Photoshop III, May 5-June 18
- Pinhole Photography and Alternative Process I, June 7-8
- Expressive Landscape Painting I, May 30-June 1
- Off The Wall: Mixed Media Sculptural Wall Pieces I, June 13-15/20-22
- Welding in Sculpture II, June 5/14-15/21-22

Master Gardener Program

- Perennials: The Basics, April 11, 7-9:30 pm, Beginner to Intermediate, \$44.95 + GST
- Garden Fundamentals, April 12 and April 13, 9 am-4 pm, Beginner to Intermediate, \$99.95 + GST + \$10.50 materials fee
- Gardening Naturally: Reducing Pests without Chemical Products, April 12, 7-10 pm, Beginner to Advanced, \$44.95 + GST
- Communications, May 3, 9 am-4 pm, Beginner to Intermediate, \$67.95 + GST
- Stained Glass Birdbath, May 4, 9 am-4 pm, Beginner to Advanced, \$67.95 + GST + \$15.75 materials fee

ICT Training Services

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

- Adobe Acrobat Pro – Intro, June 18, 1:30-4:30 pm, \$75 students; \$85 staff and faculty; \$100 others
- Adobe Illustrator – Intro, June 3 and 5, 1:30-4:30 pm, \$125 students; \$150 staff and faculty; \$185 others
- Adobe InDesign – Inter I, April 17, 1:30-4:30 pm, \$65 students; \$85 staff and faculty; \$100 others
- Adobe InDesign – Intro, May 13 and 15, 1:30-4:30 pm, \$125 students; \$150 staff and faculty; \$185 others
- Adobe Photoshop – Intro, April 22 and 24 OR May 20 and 22, 1:30-4:30 pm, \$125 students; \$150 staff and faculty; \$185 others
- Adobe Photoshop – Inter, June 10 and 12, 1:30-4:30 pm, \$125 students; \$150 staff and faculty; \$185 others
- Apple – iOS Tips and Tricks (iPad, iPhone, iPod), June 26, 2:30-4 pm, \$0 students, staff and faculty; \$75 others
- Apple - Make the Most of Your Mac OS - Intro, June 11, 1:30-4:30 pm, \$0 students, staff and faculty; \$75 others
- ArcGIS - Intro, April 14 and 16, 6:30-9:30 pm, \$0 students, staff, faculty; \$185 others
- MS PowerPoint – Intro, June 19, 1:30-4:30 pm, \$0 students, staff, faculty; \$125 others
- Research Posters - Adobe Illustrator, May 29, 2:30-4 pm, \$0 students; \$50 staff or faculty; \$75 others
- Research Posters - MS PowerPoint, May 27, 2:30-4 pm, \$0 students, staff, faculty; \$75 others

Faculty Workshops: contact a training@usask.ca or 306-966-4866 for more information on workshops geared to faculty. IT4U – Tech Help for Students: <http://it4u.usask.ca>

Enroll in many courses from off campus. Go to training.usask.ca for more information.

Edwards School of Business, Executive Education

For information call 306-966-8686, email execed@edwards.usask.ca or visit edwards.usask.ca/execed

- April 29-May 1, Digital Marketing Program: Social Media and E-Marketing Certificate
- May 22-23, Process Mapping and Process Improvement Course - Regina
- May 26-27, Analyzing and Improving Office and Service Operations (Lean Office) Course
- May 28-29, Process Metrics, Management and Controls Course
- May 30-June 6, The Effective Executive Leadership Program –Waskesiu

Miscellany

Open 24/7

The Murray Library is offering extended hours until April 29. As part of the Safe Study program, the ground floor of the Library, including the group study room, will be open 24 hours a day, seven days a week but access outside of normal Library hours will be limited to those with a valid student card.

Supplier Trade Show

The annual Supplier Trade Show will take place May 6 from 9:30 am-3 pm in the main gymnasium of the PAC. The event will include displays by a large number of vendors – everything from scientific lab equipment and office supplies to travel agencies, customs brokerage services and hotels. Information sessions will be held, samples and giveaways will be available and there will be a major door prize. For more information contact Purchasing Services Division at 306-966-6704.

CLS Tours

The Canadian Light Source is offering free public tours of the facility most Thursdays

at 1:30 pm and at 7 pm on April 17. Reservations are required. An online form is available on the CLS website under the education tab, or email outreach@lightsources.ca, or call 306-657-3644.

Saturday Pet Wellness Clinics

The WCVM Veterinary Medical Centre will hold a Saturday Pet Wellness Clinic from 8:30 am-4:30 pm April 19 for pet checkups or vaccinations. Call 306-966-7126 to book an appointment or for more details. The centre offers a 10 per cent discount for U of S students and staff.

➤ SUBMIT

Coming Events

Next OCN: Friday, April 25
Deadline: Thursday, April 17

Email ocn@usask.ca

Around the Bowl



Joseph

Graeme Joseph, currently the co-ordinator of strategic Aboriginal initiatives at the University of British Columbia, will join the U of S May 15 in the new position of team leader, First Nations, Métis and Inuit Student Success which includes leadership of the Aboriginal Students' Centre. Under a new structure, Joseph, who is Gitksan from northwestern British Columbia, will report to the director of Aboriginal Initiatives in Advancement and Community Engagement.

Alexis Tindall, an MSc student in the Department of Soil Science, is one of two recipients of the Dr. Karl C. Ivarson Scholarship awarded this year by the Agricultural Institute of Canada Foundation. The scholarship recognizes Tindall's research contribution to the Integrated Nutrient and Water Management Project in the Sahelian region of Africa as well as her volunteer work as director of Kid's Club at The Bridge on 20th, a program for youth at risk.

The College of Law's moot team made up of **Nathanial Day**, **Sean Fagan**, **Rylund Hunter**, **Grace Waschuk** and coach **Ashley Smith** won this year's regional McIntyre Cup competition and went on to place third at the national Sopinka Cup. The Sopinka Cup involves the top eight law schools from regional competitions competing in the bilingual national moot finals which aims to encourage students in the art of oral advocacy by running a criminal jury trial.

The following have been announced by the Office of the Provost and Vice-President Academic:

Dr. John Thiel appointed acting academic head of the Department of Obstetrics, Gynecology, and Reproductive Sciences for up to six months or less if a new head is appointed.



Baxter-Jones

Adam Baxter-Jones' term as acting dean of the College of Graduate Studies and Research has been extended for the period July 1-Dec. 31.

Trevor Crowe's term as associate dean of the College of Graduate Studies and Research has been extended for the period July 1-Dec. 31.

Dr. Geoff Johnston appointed acting unified head of the Department of Medicine effective February 1, 2014 for a period of six months or less.

Venkat Gopalakrishnan reappointed as head of the Department of Pharmacology for a three-year term effective July 1.

Marc Mentzer appointed acting head of the Department of Human Resources and Organizational Behaviour in the Edwards School of Business for a six-month term effective July 1-Dec. 31.

Rosemary Venne appointed acting head of the Department of Human Resources and Organizational Behaviour in the Edwards School of Business for a six-month term effective January 1, 2015.



Gopalakrishnan



MORE STORIES AT:

news.usask.ca

Mindful of math

LANA HAIGHT

“Back to math basics” is a cry that is increasingly heard across Canada as studies show students lagging behind those in many other developed countries. But focusing solely on rote drill of math facts isn’t necessarily the key to reversing the slide, according to University of Saskatchewan psychology professor Jamie Campbell.

“The reason there has not been a simple solution to this is that the process of learning arithmetic is extremely complicated.”

Campbell, a cognitive psychologist, has spent his entire academic career researching how the brain learns arithmetic, how it retains that information and how it retrieves math facts.

One of his latest studies involves retrieval-induced forgetting, something that every person experiences many times throughout the day. In the process of retrieving or remembering something from long-term memory, other information is suppressed or forgotten.

“You couldn’t possibly retain everything you learn. Forgetting is a healthy part of memory,” he said.

Understanding retrieval-induced forgetting is key to improving math education and could be valuable in designing curricula.

“Memory competition is a major source of difficulty in learning basic math facts. I don’t think that has been recognized,” said Campbell.

“When kids first learn multiplication, it clobbers their addition skills. There’s some evidence that it never actually recovers. There’s always an asymmetry there where multiplication interferes with addition.”

He suggests changing the

order of the math skills learned to ensure students are competent in one before another is introduced.

Campbell also studies the differences in math competency between U of S students who attended Canadian schools and those who were educated in China.

When participants are given two minutes to complete as many problems as they can using pencil and paper, the Chinese students complete significantly more than the Canadian students.

“When you get those tests back, you know immediately which group it came from. That’s because in the Canadian group, there is all kinds of marginal writing. The carrying operations and the intermediate steps are written on the page. They are using the page as a working memory,” he explained.

“You look at the Chinese test papers. There is none. There are only answers. That clearly shows they’re using working memory more efficiently than Canadians are.”

Why this is the case isn’t clear. Differences in language, teaching methods and parental expectations likely have some influence. So could calculator use; while Canadian students begin using calculators early in math education, Chinese students often do not have access to calculators until university.

“You are going to get good at what you do. If you practice memorization, then you are going to develop memorization skills. If you practice using a calculator, then you are going to develop calculator-specific skills.”

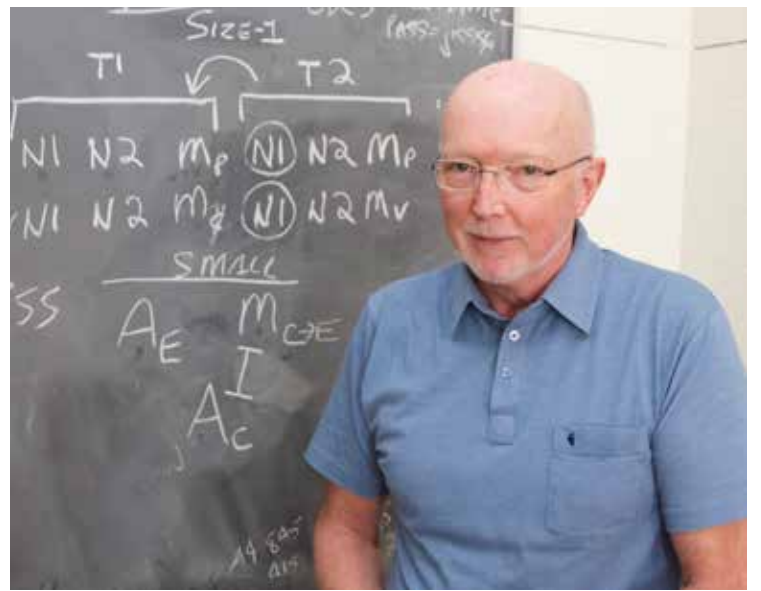
The debate over how best to teach mathematics has been going on for the past century.

“I’ve seen the flip flop

between drill the facts and don’t drill the facts but emphasize some kind of concrete understanding of the operations. Both of those facets are important.”

While educators work to strike a balance between the two, there has not been an interest in incorporating what Campbell and other psychologists have learned about how the brain and its memory process arithmetic.

“My experience is that there seems to be a barrier. It’s sort of different philosophies. There isn’t



Jamie Campbell, psychology professor.

KRIS FOSTER

as much cross-talk as we would like,” said Campbell.

It’s a divide that Campbell would love to see closed in the

interests of improving math education in Canada. ■

Lana Haight is a Saskatoon freelance writer.

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Room with a View

This year's back-page feature explores the view of campus from various office windows, and the people who enjoy them. Do you have an interesting view? Let us know at ocn@usask.ca



KRIS FOSTER



Vehicular view

Jody Gress has a narrow ground-floor window in his office but there's never a shortage of things to see, or hear, or smell.

The office of the marketing specialist for Consumer Services in the Qu'Appelle Hall addition overlooks the transit hub in front of Place Riel and starting early in the morning, "it's a steady stream of mass transit, a rush of people and the smell of diesel fumes." The rush dies down about 10 am but begins again about 3 pm. "You get used to the normal hum at certain times of day," he said.

If it's not buses, it's delivery trucks and vans in front of his window. But if a car inadvertently ventures into the area, "the drivers just lay on the horn." No cars allowed.

As for people traffic, Gress said in winter, transit passengers wait inside Place Riel "until the last minute and then run for the bus," a veritable tsunami of humanity. In warm weather, there are a lot more people right outside his office. As often as not, he gets to listen in on phone calls "but I only get to hear one side of the conversation."

