

**UNIVERSITY OF** SASKATCHEWAN

ON CAMPUS NEWS ocn@usask.ca = news.usask.ca



## **Child care centre under construction** 90 new spaces expected to open spring 2016

#### MEGHAN SIRED

Page 7.

Construction has begun on the University of Saskatchewan's newest child care centre, and its price tag will be lower than expected, nearly \$217,000 lower.

**ARTS-BASED** SOLUTIONS

U of S Sociologist Elizabeth Quinlan is one of a group of researchers exploring how

Gabriel Construction was awarded the tendered contract to build the centre, which is expected to cost \$4,577,380, said Patti McDougall, vice provost teaching and learning. She added she is looking at using the saved funds to renovate and add more space to the existing U of S Students' Union child care facility in the Williams Building. "As a university we've become increasingly aware of the need for more child care spaces," said McDougall, who is leading the child care expansion project. "We know we're short and this will help. It's been a bit of a long road, but we're well on our way to addressing the need for more child care spaces."



**Child care** availability is an important consideration for recruiting and retaining students, staff and faculty.

The majority of funding for

An artist's rendering of the exterior of the new child care facility at the U of S.

the new centre came from the university and the Ministry of Education.

The one-storey building will be located south of the R.J.

Williams Building and west of the Souris Hall residence building. It is too early to confirm a completion date, but McDougall said she hopes the

building will be ready in the spring of 2016.

No final decision has been made on how the new 90 spaces would be allocated, but

McDougall said of the 200 total spaces on campus following the completion of the project, 75 per cent would be reserved for the children of university students and 25 per cent for the children of university employees.

"Child care availability is an important consideration for recruiting and retaining students, staff and faculty,"

See **Building**, Page 2







From left to right,

Bryce Chapman (Coach of the Year), Kabree Howard (female all-round), Mark Ingram (male athlete of the year), Annie Monteith (female athlete of the year) and Matthew Busse (male all-round). Missing: Josh Bodnarchuk (male rookie of the year), Megan Nelthorpe (female rookie of the year).

## **Salute to Huskie athletes**

Huskie Athletics recognized its top performers March 21 at the annual Huskie Salute, with its athlete of the year awards going to football player Mark Ingram and wrestler Annie Monteith.

Monteith is the third wrestler to win the Mary Ethel Cartwright Trophy for top female athlete. She was named the Canada West most outstanding wrestler for the second year in a row, winning gold at the Canada West championships without a single point scored against her. Monteith, who is from Regina and is in the College of Arts and Science, also won the Canada West Student-Athlete Community Award.

Ingram, who hails from

Imperial, Sask., is the 24th football player to win the E. Kent Phillips Trophy for top male athlete. The College of Agriculture and Bioresources student finished his second and final season with the Huskies as the Canada West Defensive Player of the Year and a CIS All-Canadian. From his position as safety, Ingram finished the 2014 season with 48.5 tackles, one forced fumble, one fumble recovery, four breakups and six interceptions.

Wrestlers took both rookie-of-the-year awards. Josh Bodnarchuk won the male award after taking Canada West and CIS gold in the 54-kilogram weight class. The arts and science student from Saskatoon finished no lower than second in eight wrestling events this season. He was named Canada West and CIS rookie of the year.

On the women's side, Megan Nelthorpe was rookie of the year, having captured a bronze medal in her rookie season at the Canada West level, as well as finishing fourth at the CIS championship. Throughout the season, she finished no lower than fifth.

Basketball point guard Kabree Howard, originally from Regina, was the winner of the award for all-round female athlete of the year. She is a two-time Canada West champion and a CIS silver medalist, and has been an all-academic each year while with the Huskies.

The men's all-round award was presented to volleyball captain Matthew Busse, who started his career as a CIS all rookie and finished it at the CIS championships as a tournament all-star. The kinesiology student from Outlook was a starter with the Huskies for five seasons and team captain for the past two.

The Colb McEwon Trophy for Coach of the Year was given to men's soccer coach Bryce Chapman, now in his 11th year with the Huskies. The team set a number of benchmarks this year with a 9-1-2 record, a first-time first place finish and a win in the Canada West championship.

## Building designed just for children

#### From Page 1

she said. "It is also a particularly important factor affecting the accessibility of post-secondary education for Aboriginal students who have a demonstrated need for child care."

Colin Tennent, associate vice-president of facilities for the U of S, said the new building has been designed based on the Reggio Emilia approach to early childhood education, which identifies the "environment as university's architect since 1998. "We want the children to learn what elements the building is made up of. Instead of hiding or covering services, we will expose polished concrete floors and the beautiful wood ceiling."

Tennent said the inside of the building will have a muted color palette, with spots of bright colour coming from children's art work that will be displayed around the building.

To ensure proximity to the outdoor play space, Tennent said each of the rooms in the



STEMfest is a festival of world-class conferences, meetings and events related

to science, technology, engineering and mathematics, and it is coming to Saskatoon.



#### SEPTEMBER 27 — OCTOBER 3, 2015 PRAIRIELAND PARK TRADE AND CONVENTION CENTRE, SASKATOON, SK

- 12 international conferences and meetings
- Over 100 exhibitors including displays on robotics, science experiments, 3D printing, app development and more
- Keynote presentations from astronauts, scientists, leading engineers, innovators, entrepreneurs and more
- Interactive workshops and activities
- 48-hour game jam
- 1200 delegates from 55 countries

CALL FOR ABSTRACTS | OPEN NOW! DEADLINE APRIL 1, 2015

#### www.stemstates.org

the third teacher" as one of its five fundamental principles.

"The physical environment of the child care facility is seen as a living system and it will offer children the opportunity to learn and be inspired," said Tennent, who has worked as the building has direct access to the outdoors, and windows have been specifically placed to be at child height.

Meghan Sired is communications co-ordinator in Student and Enrolment Services Division.



F.F. Langford, Geology, Jan. 24 J. Santha, FMD, Feb. 6 L. King, Feb. 9 T.J. Roberts, FMD, Feb. 15 A.J. Hazelwanter, FMD, Feb. 15

## **Demand for services points to** need for mental health strategy

The number of students using counselling services at the U of S is on the rise, and Terrie Fitzpatrick is hoping a university-wide mental health strategy will help address students' needs across campus.

Fitzpatrick, manager of Student Counselling Services, said that in 2012-13, the number of students seeking assistance jumped by 39 per cent, and she suspects the upward trend will continue. According to a survey conducted by National College Health Assessment (NCHA), more than 30 per cent of U of S students reported they had received help from a counselor of psychologist at some point in their life, she said.

Issues of mental health, Fitzpatrick explained, are more acute for students because of a number

of university-specific factors including pressure to perform, financial and academic pressures, culture shock, self-esteem issues, social anxiety and relationship problems, to name just a few.

"Often times, students are juggling multiple concerns which can cause higher levels of stress, and sometimes distress," she said. "More students are reporting feeling overwhelmed, lonely and sad, which impacts their academic performance."

Another reason for the increase in students seeking help-more than 3,500 appointments in the last academic yearis the move to Student Counselling Services to the Place Riel addition. "Our visibility changed and so did the number of student contacts."

To meet the demand, coun-

selling switched to a triage model, "increasing student access to clinical assessments and counseling," she said. "Because of that increased access, more students are seeking assistance when in crisis."

While already at capacity for counselling services, "we are becoming increasingly aware that the number of student contacts, students in crisis and counselling sessions-not surprisinglycoincide with stressful points in the academic year." These include midterms, finals, and dates when students are required to withdraw from classes due to academic performance.

Another reason for the increase in students accessing services is a growing awareness about mental health across Canada. "People are talking about it," said Fitzpatrick. "Those conversations are happening more and more. The stigma is still there, but students are willing to talk about it. They are curious about mental health and wellbeing and want to know how to deal with it."

The campus community is also ready to talk about it, said Fitzpatrick, who organized a mental health summit for early March to bring together a cross section of the campus community-about 100 people in all—to discuss the issue.

"The summit was about getting the conversation started in a formal and substantial way. Lots of positive mental health projects and supports are happening on

**Early council** 

FROM THE ARCHIVES

University of Saskatchewan's specific needs around mental health and wellbeing. This should be embedded in the university's mission.

"More people are coming forward with mental-health issues and it's not going away. We need to take a big step forward institutionally because student success is one of our priorities and mental health is key to that."

Spotting a student in distress, said Terrie Fitzpatrick, does not require special training, only awareness and kindness.

"They will be visibly upset, maybe even crying," said the manager of Student Counselling Services. "You only have to ask if they are okay. It's okay to talk to them, to listen to them and support them."

But if there is a sense that the student is not okay, referring them to student counseling, or even walking them to the third floor office in Place Riel is advisable, she said.

Fitzpatrick said there are four steps to follow when responding to a student in distress: approach the student and express concern about behaviours; listen to the student and pay attention to what they are saying; support the student by acknowledging what they are saying; and refer the student to services on campus.

## **Top teachers**

A political scientist, a mathematician and an assistant professor in English and women's a gender studies have been recognized with 2015 divisional teaching excellence awards in the College of Arts and Science.

Loleen Berdahl, an associate professor of political studies won the award for the social sciences. She is a previous recipient of the Provost's Outstanding New Teacher Award and the Provost's College Award for Outstanding Teaching. Her research examines public policy and public opinion with a current focus on Canadian policy, and she wants students to leave her classroom as informed and engaged citizens.

In the Division of Science, the teaching award went to George Patrick, professor in the Department of Mathematics and Statistics. Patrick acknowledges the conflict between mathematics and effective teaching: "Mathematics says: abstract, deepen, generalize. Effective teaching says: simplify to the essentials; be an expert guide." The key to success is making choices about what knowledge and skills to teach, he said. Marie Lovrod from English and women's and gender studies, received the teaching excellence award for the Division of Humanities and Fine Arts. Loverod's research focuses on the role of both domestic and state violence in trauma and resiliency in children and young people, and on the broader effects of violent economic practices. She said she attempts to bring a collaborative learning model to the classroom with her role being an experienced learner in a community of co-learners. ■









Terrie Fitzpatrick, manager of Student Counselling Services.

campus but there is a need for involvement at the broader institutional level."

The creation of a campuswide strategy will involve all mental health service providers, including Student Health.

"I think the next steps are to develop a mental health steering committee to look at, what's happening across campus and write a strategy that reflects the

Patrick



Lovrod



PATRICK HAYES, UNIVERSITY LIBRARY, UNIVERSITY ARCHIVES AND SPECIAL COLLECTIONS

This issue we have a group photograph of the 1918-1919 Students Representative Council (now known as the University of Saskatchewan Student Union). Formed in 1909, the stated purpose of the council was "to promote the general interest of the students; to constitute a recognized medium of communication between the university authorities, the public and the students; and, except where otherwise provided,

to supervise and control all student organizations and the conduct and activities of students in connection with the University." Many of those pictured above went on to distinguished careers, including John G. Diefenbaker (Prime Minister of Canada), Emmett Hall (Supreme Court Justice), Lydia Grachy (Canada's first female ordained minister) and G.W. Simpson (U of S Professor of History). ■



## One per cent grant increase unsustainable

JENNIFER ROBERSTSON

With about two thirds of the university's annual operating budget funding coming from the Government of Saskatchewan, the provincial budget announcement can have a big impact on the university's finances.

In this year's budget announcement March 18, the university received about \$354 million in government funding for the upcoming year. Of this, \$333 million is for general operating and targeted funding, an increase of about one per cent over last year, and \$21 million is capital funding for the Health Sciences Building, and preventative maintenance and renewal.

"I was pleased to see the government increase support of post-secondary education this year, but I have concerns about this increase not meeting the rate of inflation," said Interim President Gordon Barnhart. "In the short-term we can manage **PROVINCIAL BUDGET DAY NUMBERS** 

> **TO GENERAL OPERATING** AND TARGETED FUNDING

> > 1% APPROXIMATE INCREASE **OVER LAST YEAR**

3-4.5% **ANNUAL RATE OF INCREASE** IN UNIVERSITY **EXPENSES** MINUS PLUS \$21M \$20M

HOLDBACK

TO CAPITAL

with this increase, but it will not be sustainable in the long term. We are working closely with the province to ensure they understand the long term effects of these decisions."

This year's budget announcement also included a one-time \$20 million holdback from the university's general operating funding.

"The government has line of sight into the university's finances and is aware of accumulated funds that are being held for future planned initiatives, initiatives that will not require money to be accessed in the upcoming year," said Barnhart.

The holdback is funding the university would normally receive that is then earmarked for future initiatives. The province has requested that rather than continuing to build savings for initiatives that are more than one or two years away, the university make its funding requests closer to when it is actually needed.

The president said the province's holdback would not affect 2015-16 operating allocations for colleges and units, and there will be no changes to university operations at this time. He is confident in the assurance the government has given that the \$20 million held back this year would be reinstated next year.

"I am confident that by continuing to follow our prudent budgeting and financial management practices, we will balance our budget in 2015-16," said Barnhart "My bigger concern is the sustainability of ongoing one per cent increases in our operating grant when internally expenses continue to grow at more than three per cent per year, and that will be a priority discussion with government this year."

The 2015-16 University of Saskatchewan budget will go to the Board of Governors for approval in June.

> Jennifer Robertson is communications officer in the Institutional Planning and Assessment Office.



SCIENCEC ARTOONSPLUS COM



#### JULIE SCHAPPERT PHOTOGRAPHY

## **Fund raising event supports** student experience

RAYLENE KERSHAW

On a single day in March, 302 donors contributed \$27,696 to support the student experience at the University of Saskatchewan, an amount that was then doubled by a significant gift from a single donor.

The One Day for Students event held March 20 raised the funds for the President's Student Experience Fund that supports unique projects and activities providing students opportunities to advance their knowledge, apply what they have learned or pursue special experiences outside of the classroom. Prior to the fundraising event, Kay Nasser, professor emeritus of engineering, and his family pledged to match donations to a maximum of \$25,000. They contributed an additional \$5,000 to bring the total raised to almost \$58,000. One of the beneficiaries of the fund is Jacinta Classen, a fourth-year arts and science student who works hard to balance her studies with activities outside of the classroom. Born and raised in Uranium City, Classen described feelings

of culture shock when she arrived at the U of S. "Growing up in an isolated fly-in community doesn't prepare you for life in a big city," she said. "Finding your way around or even buying groceries is overwhelming. Living alone in residence or with a stranger is a huge adjustment."

For support, Classen



## 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

Editor: Colleen MacPherson Writers: Kris Foster, Michael Robin, Lesley Porter Designers: Brian Kachur, Pierre Wilkinson Editorial Advisory Board: Patrick Hayes, Sharon Scott, David York



turned to a campus group called the North Administration Students' Association (NASA). "Connecting with other students from the same background was reassuring and created a sense of community," she said. "NASA provided me with social opportunities and cultural support to cope and be successful in my studies."

Classen is now a proud volunteer with NASA and is involved in one of its biggest projects-hosting the annual NASA Exploration Conference. It is a three-day event that brings over 100 high school students from the North to post-secondary institutions in Saskatoon. Last year, the President's Student Experience Fund provided \$10,000 to support the event,

Classen

which hosted many students who had never been outside their home communities.

"Without the support of the fund and its donors, the NASA Exploration Conference may not have the money to power our ideas and put them into action," she said. "One day I will inspire students from my home community to dream of post-secondary education and show them they can achieve it."

> **Raylene Kershaw is** development communications specialist in Advancement and **Community Engagement.**

# High-altitude hobby

LESLEY PORTER



Not everyone can go into space but with a tank of hydrogen and a bit of knowledge about circuit boards, a balloon could be the next best thing.

That's what high-altitude ballooner Bruce Coates has been doing for seven years.

Coates, a unit support specialist in Information and Communication Technology (ICT), is a member of the Saskatoon Amateur Radio Club (SARC), a local society for ham radio operators and hobbyists. Over coffee with another member in 2007, they decided the try launching a high-altitude balloon (nicknamed SABRE) and tracking it using ham radio technology.

"What ham radio has let us do is be able to track it and have

Main photo is one taken by the SABRE onboard camera. Inset: Bruce Coates, right, prepares to launch the ballon.

📸 SUBMITTED

more fun with it than you might without," he explained. "Without ham radio, we could still fly balloons, but people would use things like cell phones which don't work past a certain altitude and don't work outside of the range of a cell tower."

Since the maiden voyage in 2008, SARC has launched 21 balloons in the province. From take off to crash down, a typical SABRE flight is just under three hours, but they get some serious air: the highest the balloon has ever flown was just over 110,000 feet, "which is three and a half times higher than a jetliner, or four times as high as Everest, or a tenth of the way to the space station, however you want to look at it," laughed Coates.

The balloon is made of



Bruce Coates, support specialist, Information and Communication Technology (ICT).

latex, is about two metres across and stretches substantially once filled with hydrogen (less expensive than helium, said Coates). Dangling precariously from the balloon is a bright, neon parachute and a payload box carrying tracking gear, GPS equipment, and still and video LESLEY PORTER

cameras to capture the journey. But launching a balloon is

not quite as simple as the movie *Up* makes it out to be. Before the balloon leaves the ground, the flight has to be co-ordinated through, and approved by, Transport Canada and Navigation Canada.

"We're taking this balloon and launching it up into the air, and we have to worry about air traffic at that time," said Coates. "If something ever hit it, it would be exceptionally bad."

The balloon, which cannot be steered, is treated as an aircraft flight and monitored by air traffic control, he explained. The onboard GPS updates every 30 seconds, so the balloon is also tracked on the SARC website.

Once up, up and away, the balloon rises above the ozone layer to the upper fringes of the atmosphere, a place called near space, where pressure is sorely lacking. "By the time it gets up there, it's almost a vacuum," said Coates. "Sooner or later, the

See GPS, Page 11



Invitation to join our Ideal Protein Beta-Group

#### PHARMACY

Main Floor- Place Riel Monday to Friday 8:30-4:30 www.campusmedicineshoppe.ca



Ideal Protein is an effective, medically designed, weight loss program. We are excited to launch the Ideal Protein weight loss program at the Medicine Shoppe Pharmacy in Place Riel. We are inviting individuals to join our beta group at a reduced price of a \$20 initial consultation fee (regular price \$100). Registration deadline for our beta group is April 30, 2015.

#### Why Ideal Protein?

Ideal Protein is a results driven, weight loss program that is supervised by our pharmacists. Ideal Protein as an effective tool to help individuals reach a healthy body weight, improve their overall health and reduce their risk for developing weight related chronic conditions. The program has a variety of food choices that are convenient, tasty and easy to prepare.

If you are interested in joining our beta group, visit our pharmacy in Place Riel or email info@campusmedicineshoppe.ca.



#### **THURSDAY, APRIL 2,** 9:30 AM TO 3:30 PM

**USSU** Council Chambers, **Upper Place Riel** 

10 M M

The Sustainability Living Lab uses campus and the community as a living laboratory to explore all aspects of sustainability-environmental, societal and economic-in order to develop actionable solutions that make the university more sustainable.

Come and learn about what the students have discovered with this year's projects, and see the solutions they propose to our campus sustainability issues and challenges.

You are invited to attend any or all of the presentations.

To view the symposium schedule



### ocn@usask.ca

**UNIVERSITY OF** SASKATCHEWAN

### **General Academic Assembly (GAA)**

The president's state of the university address

Interim President Gordon Barnhart, chair of the GAA, invites you to attend the annual meeting of the GAA, where he will give his report on the state of the university. This event is open to all faculty, staff and students.

#### WEDNESDAY, APRIL 8 NOON **CONVOCATION HALL**

Members of the GAA include the president as chair, members of faculty, elected students, deans, executive directors of schools, vice-presidents, the university secretary and the registrar.

> For more information, visit usask.ca/secretariat



Whether you are looking for a fresh new design or an update to a current piece, Printing Services is here to help. With our extensive talent, experience and limitless imagination, we execute design solutions that generate outstanding results. Brochures, posters, banners, invitations, newsletters... the





For more information please call 306-966-1236 or visit our website.

## **Theatrical intervention** Study explores new way to address harassment

#### CHRIS PUTNAM

In health care, where the welfare of the patient comes before everything, it can be easy to overlook the mental wellbeing of those who provide care.

Not so for one team of Saskatchewan researchers who have identified a growing problem of workplace harassment in the province's health care facilities and are testing an unorthodox method of addressing the problem.

Elizabeth Quinlan, sociologist at the University of Saskatchewan and a member of the research group, explained that workplace harassmentrepeated aggressive behaviour or bullying among co-workers-is especially common in health care, where staff shortages and the high-stakes nature of the work drive up stress levels. To an already-burdened health system, the effects are measurable: increased staff turnover, health benefits costs and absenteeism.

But what first struck Quinlan was the personal anguish harassment caused among the health care aides she met, and the inevitable impact it had on their work.

"There's a direct relationship—and it only makes sense that there would be," she said. "The health of the caregiver has an effect on the health of the cared for." the performers, the group collectively identifies the most promising solutions. "They might be successful in neutralizing the harassment, or they might not be. Either

Quinlan, who had been exploring uses of the arts for addressing health care issues, knew from previous research in the field that workplace interventions involving high levels of active participation by workers are most effective. She wondered if an arts-based intervention might be an ideal approach; why not invite caregivers to participate in theatre workshops that address the problem of harassment head on?

In a pilot study, she saw

and perform a brief scenario that captures the essence of workplace harassment as they experienced it. A typical scenario might depict a group of aides shunning a new staff member at the lunch table, or a supervisor maneuvering to assign an unpopular co-worker all of the worst shifts.

The details are up to the participants; what matters, said Quinlan, is the "emotional authenticity" of the resulting theatrical performance. "We continue to refine that scenario so that everybody in the room can look at it and recognize their own experience in it."

When the target of the harassment—the protagonist of the scene—has reached the moment of greatest crisis, the action freezes. Now the participants propose solutions to the protagonist's dilemma, and to do so they must take her place in the scene and test their ideas in the live arena of the performance.

The protagonist might gain understanding into the bully's motivations or try to enlist the help of a neutral co-worker. As the scene evolves through improvised interactions among the performers, the group collectively identifies the most promising solutions.

"They might be successful in neutralizing the harassment, or they might not be. Either way, the entire group—those on the stage and those observing gains insight into why some solutions work and others don't," said Quinlan.





Elizabeth Quinlan, sociologist and researcher.

Over the next three years, Quinlan and her collaborators on the new study will hold two-day workshops with each 👸 DAVIS STOBBE

of the results. To extend the project's

of the three employee groups,

followed by rigorous evaluations

benefits, a video based on the workshops will be shared with the wider caregiving community. More importantly, Quinlan hopes the study's results will demonstrate the potential of participatory theatre for addressing workplace harassment in the world of health care and beyond.

As the team builds on its past success, participatory theatre will become another tool to help the frontline workers who deal with the problem of harassment each day.

"What we're looking for is a workplace cultural change that comes from the bottom up."

For more information about the participatory theatre project, visit at www.whichsk.com or contact which.sk@usask.ca ■

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



University Library Dean's Award for Excellence

great results from bringing participatory theatre workshops to health care aides in several Saskatchewan long-term care homes. Now, equipped with nearly \$200,000 in funding from the Canadian Institutes of Health Research, she is leading a new project that expands that study's scope to include aides, registered nurses and licensed practical nurses in both care homes and hospitals.

Quinlan, U of S law scholar Beth Bilson, U of S management and marketing professor Isobel Findlay, and University of Regina nursing professor Ann-Marie Urban will conduct the study.

A participatory theatre workshop unfolds like this. Participants are guided to create Findlay



Bilson

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

#### **Awards Information**

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

The Criteria All library employees holding continuing appointments are eligible for nomination. All members of the University Library community (e.g. library employees, patrons, suppliers, etc.) are invited to submit nominations for the award.

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

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

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



University Library

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

March 28, 2015





**Education professor Brenda Kalyn** 

🐻 LESLEY PORTER



1220 College Drive Saskatoon, SK S7N 0W4

**306.934.5555** Toll Free: **1-855-493-7374** Email: **refreshinn@sasktel.net**  Refresh Inn & Suites The European boutique hotel at REFRESH-ing prices.



14th International Conference on Clean Energy 2015

### Clean Energy 2015

Organized by the International Association of Hydrogen Energy, Asia Pacific Society for Solar and Hybrid Technologies, University of Miami Clean Energy Research Institute, and the University of Saskatchewan.

**SEPTEMBER 27** — **OCTOBER 1, 2015** Prairieland Park Trade and Convention Centre,

ICCE 2015

www.icce2015.net

### Physical education more than just activities in gyms

#### LESLEY PORTER

There is much more to physical education than dodgeball, knee-high socks and that dreaded climbing rope, according to education professor Brenda Kalyn.

Her class, Methods in Elementary Physical Education, teaches students to take an experiential, holistic approach to elementary-level physical education instruction. The focus is on the whole child and includes progressive skill levels, understanding movement, and spatial and body exploration.

Though physical education is often used interchangeably with physical activity, it's important to note that the two are quite different, she said.

"Physical education encompasses a body of knowledge as well as a wide variety of activities," said Kalyn, adding that it is critical for "educators

to the have a theoretical understanding of the knowledge that is in that discipline, because it is an academic area of study."

For example, kids may be able to toss around a Frisbee, but "don't know what kind of throw is needed to execute a

good delivery, or how to position their body to successfully catch it." They are all technical pieces of knowledge, she said, that the teacher translates to the student so they can become more proficient in the activity and understand movement.

The class has partnerships with local community schools as well as the campus daycare, and all participate in the on-campus activities taught by the pre-service teachers. Over 150 school children have participated this year. The youngsters from daycare delve into the basics of body explorationhow it moves, balances, twists and stretches-while the junior elementary students tackle more refined skills such as skipping, juggling and other fundamental movements, Kalyn explained. If there are any challenges faced by students from different fitness levels, the activities are

modified slightly to fit their needs. Likewise, if they show great proficiency in the activity, it is also adjusted to meet their level.

"To adapt to all students that's what teaching is about," said Kalyn. "Ultimately, we want all students to participate in physical education opportunities."

The students also learn about games played by Indigenous cultures from Africa, Australia, and North America. The context behind the games is examined, including history, equipment used and the skills developed as a result of playing the games. She said this gives students and teachers alike an idea of what early physical education might have looked like from an Indigenous perspective. At the culmination of the

. . . . .

Physical education encompasses a body of know-ledge; it is critical for educatorsto have a theoretical understanding of the knowledge.

Brenda Kalyn

class, pre-service teachers travel to Hugh Cairns VC School to teach a 30-minute lesson to a grade of their choice. Activities are chosen by the teachers and can vary, "so long as it fits the curriculum and is developmentally appropriate for the students," added Kalyn. The lessons are recorded and pre-service teachers get feedback. "They get a real sense of what that 30 minutes of instruction in physical education feels like," she said.

Kalyn's goal is for her students to become effective physical education teachers, and pass the quality instruction along to their future students. "It's not just about running, jumping and making lots of noise. It's about the joy of movement, learning skills and applying this knowledge to a lifetime of physical activity for enjoyment and wellness."



**ISSN 0360-3199 :** International Journal on Hydrogen Energy

ISSN 2203-241X : STEMplanet Journal

ISSN 2229-8711 : Global Journal on Power Control and Optimisation Peer reviewed process; all accepted and presented papers and posters are published in an international journal, plus; \$1000 Cash Award for best Student Poster \$1000 Cash Award for best Student Oral Presentation \$1000 Cash Award for best Poster \$2000 Cash Award for best Research or Educator Presentation Each cash award includes complimentary registration to STEMfest 2016 Australia (Valued at \$1200)

#### SVEM FESV

will be held in conjunction with **STEMfest**, 2nd International Festival of Science, Technology, Engineering and Mathematics **www.stemstates.org** 





### **Interested in governance of the University of Saskatchewan?** Consider offering to join a University Committee

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

Following are the committee vacancies which we are looking to fill for the 2014-15 academic year. We usually try to appoint people for three-year terms. Sessional lecturers are appointed for one year.

#### To volunteer or to nominate someone else:

- download a nominations form http://www.usask.ca/secretariat/forms/index.php
- email sandra.calver@usask.ca by Monday, April 2, 2015.

Committee	What does it do?	How often?	Information about expected vacancies
University Council Comm	ittees		
Academic Programs Committee	Reviews and approves curricular changes from all colleges, recommendstwice a montmajor curricular changes to Council, oversees policies relating to studentsand academic programs.		Four vacancies + sessional
International Activities Committee	evelops and reviews policies, programming, and strategic directions for once a month ternational activities and programs.		Three vacancies
Nominations Committee	Nominates GAA and Council members for university committees and panels.	as required	Two vacancies
Planning & Priorities Committee	Reviews and advises Council and the university administration on planning, twice a mont budgeting, and academic priorities.		Two vacancies + sessional
Research, Scholarly & Artistic Work Committee	<b>by &amp; Artistic</b> Reviews and advises Council on issues related to research, scholarly and twice a month artistic work, including research-related policies.		Five vacancies, including an Associate Dean Research
Scholarships & Awards Committee	Grants awards, scholarships and bursaries open to students of more than one college or school; advises Council on scholarship and awards policies and issues.		
Teaching, Learning & Academic Resources Committee			Three vacancies + sessional

Collective Agreement Committees						
University Review Committee (URC)	Reviews college recommendations for awards of tenure, renewals of probation, and promotions to professor.	frequently November to March (evenings)	Four vacancies			
Renewals and Tenure Appeal Committee	Hears appeals of URC decisions recommending against renewal of probationary period or award of tenure.	March	Four vacancies including one senior administrator			
Promotions Appeal Panel	Members of the Promotion Appeal Commitee are selected from this roster.	variable in the spring	16 vacancies			

Other Committees					
Student Academic Hearing and Appeals Panel	The members of student disciplinary and appeal boards are selected from this roster.	variable	Five or more vacancies for members of Council		
<b>Recreation and Athletics</b>	Recommends on recreation and athletic fees charged to students	variable	One vacancy		

Advisory Council and reviews reports on expenditures.

For more information, please contact a member of the Nominations Committee of Council:

Nominations Committee of Council:		Phone			
Ed Krol	Pharmacy & Nutrition	2011	Tamara Larre	Law	1966
Terry Wotherspoon	Sociology	6925	Nancy Gyurcsik	Kinesiology	1075
Dwayne Brenna	Drama	5185	Bob Tyler	Food and Bioproduct Sciences	6940
Yen-Han Lin	Chem and Bio Engineering	4764	Andrew Van Kessel	Animal and Poultry Science	8479
Sandra Calver	Secretary	2192			

#### For more information, visit

usask.ca/secretariat/governing-bodies/council/committees.php or call 306-966-2192



# Coming **Events**.

#### Seminars/Lectures

#### **Edwards Speaker Series**

 March 30, 3-4:30 pm, Prairie Room, Diefenbaker Centre, David Shribman, Pulitzer Prize Award-winning journalist presents Why you don't understand American politics anymore—and why they don't either, part of the Edwards School of Business Dean's Speaker Series. Registration is free at jsgs.ohmedia.ca/ form/672. Contact evans@edwards. usask.ca for more information.

#### **English Lecture**

• April 1, 3:30 pm, Arts 101, Jason Demers from the University of Regina presents On Super-Powered Politics and Comic Book Mythologies. For information contact lindsev.banco@usask.ca

#### Hosain Lecture

 April 30, 2 pm, Mayfair Library, Mel Hosain, professor emeritus of civil engineering, presents Serengeti National Park and Ngorongoro Crater

#### Conferences

#### **Oncology Conference**

The Continuing Medical Education Oncology Conference takes place April 24-25 at the Hilton Garden Inn. The goal of this event is to provide information and discussion about current cancer guidelines, treatments and controversies with a focus on cancer management, care and survivorship in the adult population. All health care professionals as well as residents and students are welcome to attend.

#### **PSFaM Annual Meeting**

The third annual Protein Structure, Function and Malfunction annual meeting takes place May 6-8 at the College of Medicine, U of S. Online registration and abstract submission is available at cmcf. lightsource.ca/psfam/registration

#### Courses/Workshops

#### **Sharing Teaching Practices**

This year's Celebration of Teaching will be accompanied by a series of faculty-led sessions as well as hands-on workshops called Sharing Teaching Practices 2015. Events will take place April 27-May 8. All interested staff, instructors and graduate students are welcome to attend. For more information and to register, visit usask.ca/ gmcte/sharing-teaching-practice

#### **Edwards School of Business, Executive Education**

For information call 306-966-8686,

- Multilingual Conversational Language Classes June 7-Aug. 27
  - French levels 1 to 3: \$210 (GST exempt) • Spanish levels 1 to 3: \$220.50 (GST included)
  - Textbooks and workbooks are extra.
  - French Voyageur for Real Beginners • Aug. 14-16; ideal for the traveller with little or no French-speaking skill, 20 hours over 2.5 days, cost: \$280 (GST exempt) textbooks and workbooks are included.

**One-Week Intensive French** Immersion

· Aug. 17-22; for those who wish to quickly advance their language skills, 35 hours over 5.5 days; cost: \$550 (GST exempt) materials and final luncheon provided.

Four-Day Intensive Cree Immersion

• Aug. 17-21, for those who wish to quickly advance their language skills, 20 hours over 4 days; cost: \$400 (plus GST) course materials provided.

Part-Time ESL Program: Spring term begins April 6. Offerings include:

- Writing and Applied Grammar
- Graduate-Level Writing
- Spoken English
- Listening and Note Taking
- Reading Skills
- Pronunciation
- Saturday Workshops for Public Speaking, Business Writing, Grammar, Storytelling and Pronunciation

#### Nature and Ecology

- Summer Ecology Day Camp for Kids
- Camps focus on outdoor experiential learning at field sites around Saskatoon and in a biology lab. Call 306-966-5539 or 306-966-4351. Visit ccde.usask.ca/ eco/ecology-camps-kids for more information.
- July 13-17, Insect Ecology
- Aug 4-7, Wetland Ecology
- Aug. 10-14, Dinosaur Ecology
- Aug 17-21, Insect Ecology
- Fees: 5-day camps \$275; 4-day camps \$225; junior leaders \$ 275 for 5-day camp, \$225 for 4-day camp (must have been a previous camper). Before and after care add \$25 (\$20 for 4-day camp).

#### Gardening at the U of S

For more information see gardening.usask. ca or call 306-966-5539 to register.

- April 18, 9-noon, Gardening 101: Spring with author and CBC commentator Lyndon Penner, \$44.95 plus GST
- April 18, 1-4 pm, Chemical Free Gardening - Sponsored by City of Saskatoon, Registration is FREE
- April 18, 1-4 pm, Advanced Gardening

- Photoshop III, Mon./Wed., May 4-June 17 • Pinhole Photography and Alternative
- Process I, June 20 and 21
- Off the Wall: Mixed Media Sculptural Wall Pieces, June 5-7 and 12-14

#### **Community Music Education**

Registration is open for spring classes for ages 0-36 months that begin in April, and for Music Around the World summer camps. Also offered are Music in Early Childhood, Suzuki Early Childhood and Parenting with Music programs. For more information call Nicole Wilton at 306-966-5625 or visit ccde.usask.ca/ community-music

#### Miscellany

#### **Sexual Assault Forum**

A discussion forum focused on the development of a University of Saskatchewan policy on sexual assault will take place March 31 from 3:30-5:30 pm in Convocation Hall. All members of the campus community are invited to attend.

#### Celebration of Teaching

tion, visit www.usask.ca/gmcte/awards/ celebration

#### St. Andrew's Gala

St. Andrew's College annual gala banquet will be held April 23 at the Western Development Museum. The speaker will be Rev. Dr. Sandra Beardsall and Tannis Schmidt will provide music leadership. Tickets are \$100 (with a portion in tax-credit receipt) and are available by calling Melanie at the College at 306-966-8970. Deadline to purchase tickets is April 15.

#### **Community Connections Night**

The U of S Language Centre will hold a communication connections night March 27 from 6-9 pm in Rooms 224-225 of the Williams Building, 221 Cumberland Avenue. Information will be provided about programs and services offered by the Saskatoon Open Door Society, Newcomer Information Centre and the Confucius Institute of the U of S. This family friendly event includes a free supper provided. Everyone is welcome.

#### Science Fair

The Saskatoon Regional Science Fair for students in Grades 6-12 takes place April 10 from 8:30 am-3:30 pm in the Education Building. The organizing committee

#### **Research Journal Launch**

There will be an event March 30 from 3:30-4:30 pm in the Murray Library Collaborate Learning Lab, Room 145, to launch Volume 1. Issue 2 of the University of Saskatchewan Undergraduate Research Journal. The journal is an online, faculty-reviewed scholarly journal featuring original work by University of Saskatchewan undergraduate students

#### **Research Symposium**

The School of Environment and Sustainability is hosting a research symposium to showcase student projects March 27 from 8:30 am-4:30 pm in Room 1004 Education Buildina.

#### The Arts

#### **Collective Observation**

The 10th annual USCAD instructors' and certificate students' exhibition, this year entitled Collective Observation, can be seen in the St. Thomas More Gallery until April 25.

#### SJO in Concert

Dean McNeill, music professor and artistic director of the Saskatoon Jazz Orchestra, will lead the ensemble in a performance April 12 at the Broadway Theatre that features Denzal Sinclaire, one of the country's most popular jazz vocalists. Tickets are available at the Broadway Theatre or online at broadwaytheatre.ca

#### **Campus Concerts**

- April 2, 7:30 pm, Quance Theatre, the U of S Concert Band, under the direction of Glen Gillis, will perform a spring concert featuring a variety of works by Percy Grainger, Dmitri Shostakovich, Samuel Hazo, Charles Gounod, and Canadian composers Howard Cable and Paul Suchan. Admission by silver collection. For more information contact Glen Gillis at glen.gillis@usask.ca
- April 8, 7:30 pm, Quance Theatre, a chamber music concert will feature works by Hovhaness, Mozart, Marcello, Saint-Saëns, Rachmaninov, Beethoven and Evans. The music will be performed on

#### flute, clarinets, oboe, strings, harpsichord, piano and theremin. For information contact kathleen.solose@usask.ca

#### **Elixir Ensemble**

The Elixir Ensemble will perform a program of works by Beethoven, Brahms and Neil Currie April 12 at 2:30 pm in Convocation Hall. Tickets are available through the Elixir website.

#### **Disney Extravaganza**

The STM Newman Sounds Glee Club presents Disney Extravaganza March 28 at 7:30 pm and March 29 at 3 pm at the Broadway Theatre. The performance features songs from Frozen, Lion King, Little Mermaid, Hercules, Toy Story and many other Disney movies. Tickets are available online (www. picatic.com/disney) or from the Broadway Theatre Box Office (306-652-6556). Tickets are \$15 (adult) and \$5 (child); specially priced family packs available.

#### 1812 Exhibit

The Diefenbaker Canada Centre presents 1812 One War: Four Perspectives, a travelling exhibition produced by the Canadian War Museum. The exhibition continues until June 21. Check the centre website for opening hours.

#### In The Making

In The Making, a group exhibition of work by Alberta College of Art + Design alumni will be on view in the College Art Galleries until April 11.

#### **Kenderdine Gallery**

Continuing until April 17 is a Frank Pimentel exhibition entitled Dunlands Restaurant.

#### **SUBMIT** Coming **Events**

Next OCN: Friday, April 10 Deadline: Thursday, April 2

Email ocn@usask.ca

### Around the Bowl



Two new staff members have joined the Corporate Administration office. Adrienne Bedrich-Panchuk has assumed the term position of legal and privacy assistant to provide support on issues related to privacy and access to information. She has a BA from Simon Fraser University and a law degree from the U of S. She took

The annual Celebration of Teaching will be held May 1 at the St. Thomas Moore Theatre. The program starts at 1:30 pm and will include the presentation of the 2015 provost's teaching awards by Provost and Vice-President Academic Ernie Barber. A reception will follow. For more informa-

email execed@edwards.usask.ca or visit edwards.usask.ca/execed

- · April 14, Managing Difficult Conversations, Saskatoon
- April 22-23, Business Writing and Grammar Workout
- May 11-13, Digital and Social Media Program: Strategy and Tactics
- May 14, Digital and Social Media for Senior Managers
- May 21-22, Operational Excellence Certificate: Process Mapping and Process Improvement
- May 25-26, Operational Excellence Certificate: Analyzing and Improving Office and Service Operations (Lean Office)
- May 29-June 5, The Effective Executive Leadership Program - Waskesiu
- June 15-17, The Project Management Course - Regina

#### **Centre for Continuing and Distance Education**

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

#### U of S Language Centre

Call 306-966-4351 for information and to register

with author and CBC commentator Lyndon Penner, \$44.95 plus GST

- April 19, 9-noon, Mysterious Bulbs with author and CBC commentator Lyndon Penner, \$44.95 plus GST
- · April 19, 1-4 pm, Antique Vegetables with author and CBC commentator Lyndon Penner, \$44.95 plus GST

#### Community Arts, USCAD/AYAP

#### **USCAD Art Classes**

- Visual Arts Survey I, May 28, June 5 and 12-14
- 2D Design I, May 22-24 and 29-31
- Drawing I, May 1-3 and 8-10
- Drawing II & III, May 22-24 and 29-31
- Drawing and Painting the Portrait -Mon/Wed May 4 to June 17
- Painting I, Tues./Thurs., May 6-June 16
- Expressive Strokes: Exploring Experimental Touch II, Mon./Wed., May 4-June 17
- Painting with High Flow Acrylics and Inks I, May 1-3 and 8-10
- Creative Digital Photography I, Mon./Wed., May 4-June 17
- Advanced Photography II, Tues./Thurs., May 5-June 16

is inviting staff, faculty and graduate students in the sciences and engineering to volunteer for the event or judge student projects. For more information, visit usask. ca/srsf or contact chair.srsf@gmail.com

#### University Club

For information about upcoming events, visit usask.ca/uclub or call 306-966-7775.

- March 31, nominations cease for the club's Board of Directors election
- April 5, Easter family dinner
- · April 8, lounge specials to celebrate the last day of classes
- April 17, Chef's Table spring menu evening

#### **Trans\* Flag Raising**

There will be a flag raising March 30 from noon-1 pm in Convocation Hall to celebrate Trans\* Awareness Week. All are welcome

#### **Retirement Tea**

There will be a retirement tea April 1 for Dr. George McBride who has spent 43 years with Student Health Services. The event takes place from 2:30-4:30 pm in the University Club.



#### **Bedrich-Panchuk**

up the position in late February after being in private practice. Mitchell Anderson took up his role





as a student chaplain and a research assistant.

> Ding Yu Peng, professor of chemical engineering, has been elected as a fellow of the Engineering Institute of Canada (EIC). The designation recognized his contributions to engineering on a national scale. Peng co-discovered a new theory that led to a more accurate Equation of State (EOS) for predicting the phase behaviour of mixtures of chemicals as they transformed between gaseous and liquid states.







Anderson



#### **PIÑATA PRIZE**

School children scoop up toothpaste, toothbrushes, dental floss and sugarless gum, all loot from a piñata they broke as part of a celebration of new equipment in the U of S College of Dentistry **March 19. Donations** from alumni and others enabled the college to purchase 13 new dental chairs and exam lights for the student dental clinic. The piñata was an actual size replica of one of the old chairs, which were 'retired' when the students from King George, Mayfair, Westmount and W.P. Bate Schools broke it open.

## NEW TO US GPS predicts landings



Sport has a multitude of benefits to offer girls and women, explained Leah Ferguson, an assistant professor in the College of Kinesiology, including physical and mental health, pride, confidence, discipline and mental toughness—all qualities that transfer well into other facets of their lives and careers.

But there are barriers to achieving the benefits, from the heavy demands of physical and mental training, fear of letting down one's team, and challenges with body image, something Ferguson saw first-hand growing up in Saskatoon as a competitive dancer and later an instructor.

"I remember, when I was teaching, there'd be little girls commenting on each other's physiques," she said. "You'd try to have a teachable moment, saying 'you know, there are a lot of different shapes and sizes and everyone's good the way they are,' that sort of thing."

Teaching was the path Ferguson was on before she became intrigued by psychology, completing an undergraduate degree in the subject before

#### From Page 5

pressure is just too much and the balloon breaks."

At that altitude, there is more than just pressure to worry about, though. The brutal weather conditions—as low as -60°C—and intense ultraviolet light pose a threat to the safety of the payload.

And how does an amateur balloonist protect the payload from extreme cold and harsh ultraviolet rays? "In a word, Styrofoam," said Coates. The box is cased in a layer of Styrofoam one inch thick, enough to insulate from the environmental stressors.

The Styrofoam also serves as crash-safety gear when the payload comes hurling back to Earth. "Our standard for equipment is, you should be able to take your payload and drop it from about table height or so onto cement and have it survive."

In addition to the GPS trackers, the group uses data from the American National Weather Service that measures wind to predict where the balloon will not only fly, but land as well. The payload has ended up in some interesting locations, including forests, sloughs and even on a power line, which SaskPower had to remove for them.

One landed "about four kilometres past the end of the last road north of Prince Albert, so we had to walk through the bush and swamp to get it. Once it lands, it's like the world's biggest geocache," said Coates. "We know where it is, we just have to go find it."



continuing with a master's degree and doctorate in kinesiology, all at the U of S.

One key concept she is exploring in her research is self-compassion, something that may help young women capture the benefits of sport and overcome barriers to these benefits.

"Self-compassion originally stemmed from the general psych literature and it's actually an eastern Buddhist philosophical concept," Ferguson explained. "It's just like I would have compassion for you if you're going through a really difficult time. I'd want to extend kindness. I'd want things to happen so you could get past that. Self-compassion is just turning compassion inwards toward yourself."

It is a concept that can run counter to popular sport culture, which can be very hard driving and unforgiving of failure.

Ferguson said interviewing athletes reveals that "they get it; they recognize that 'beating myself up isn't helping. I'm not getting anywhere by criticizing myself, doubting myself, constantly making myself feel worse.'"

Despite this, she explains athletes are unsure of how to extricate themselves from this mindset. Through her research, she hopes to find out how to translate self-compassion onto the field and court.

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 Tuesday, May 5, 2015 9:30 a.m. – 3:00 p.m. Main Gymnasium, College of Kinesiology, PAC

#### oles & Giveawa WHAT IS NEW?

New vendors • Shuttle Services • Purchasing Information Sessions

#### WHY ATTEND?

- Preview new products
- Pick up free samples and giveaways
- Major Door Prize
- Meet with suppliers of scientific lab supplies and equipment, office supplies and furniture, travel agency, hotels and more.

#### FOR MORE INFORMATION, CONTACT

Purchasing Services at 306-966-6704 or purchasing.services@usask.ca





This year's back-page feature explores the hidden treasures from University Library, University Archives and Special Collections, and the people who use them.

## Art class

Patrick Bulas is the printmaking technician and a sessional lecturer in the Department of Art and Art History. For over 12 years, he has worked with students, staff, and faculty in the printmaking studio on the first floor of the Murray Building.



Printmaking and other studio courses offered at the U of S allow students the opportunity to

learn by doing. Painting on canvas, drawing with charcoal, hand carving a woodblock or inking an etching plate are all done to educate students in a variety of artistic techniques and to gain an appreciation of the time, effort and skill that goes into art.

In addition to their hands-on work, students are fortunate to have access to the amazing work found in the University Archives and Special Collections. Not only can prints by artists from Saskatchewan and abroad be viewed up close, but many of the plates and blocks used to create those prints can be studied as well. For example, the Andrew King poster collection contains several large hand-carved woodblocks and oversized type that were used in the creation of posters advertising traveling shows across the province of Saskatchewan. King's Enterprise Show Print business was based out of Rouleau, SK from 1909-1943. In 1944, it was renamed King Show Print and moved operations to Estevan. The Mac and Beth Hone fonds in the collection offer in depth

Materials in the University Archives and Special Collections offer a chance for students to look at work on a level more direct and personal than can be experienced in a gallery.



