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SPOTLIGHT ON SUSTAINABILITY

A commitment to sustainability on campus is one of the University of Saskatchewan's four main principles and pillars of the new plan to be *The University The World Needs*. In this edition of *On Campus News*, we highlight sustainability initiatives across campus as the university celebrates Campus Sustainability Week. This issue also takes a look at sustainability aspects of current building renovations, as well as work being done by alumni and current USask students to support food sustainability in the community.

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DIGITAL RESEARCH

On Campus News is published 12 times per year by University of Saskatchewan Marketing and Communications. It is distributed to all USask 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 \$24 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 USask community.

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

We acknowledge we are on Treaty 6 Territory and the Homeland of the Métis. We pay our respect to the First Nation and Métis ancestors of this place and reaffirm our relationship with one another.

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New university secretary and chief governance officer

UNIVERSITY COMMUNICATIONS

The University of Saskatchewan (USask) has appointed Dr. Chelsea Willness (PhD) its next university secretary and chief governance officer for a three-year term beginning January 1, 2020.

Willness, currently associate dean, research and academic, and professor of organizational behaviour at the Edwards School of Business, previously served as acting chair of University Council (Nov. 2017 to Dec. 2018), as well as a member of council.

“Governance makes a place run, and having this opportunity to contribute to achieving our important societal goals really excites me,” said Willness, who earned her BA (Honours) in psychology at USask, and her MSc and PhD in industri-

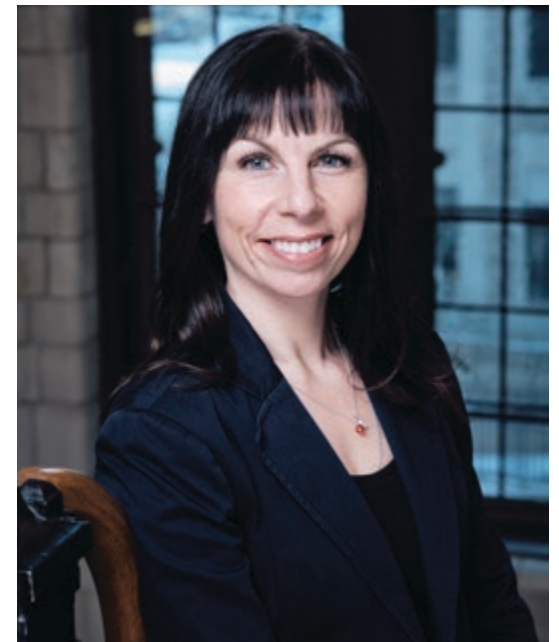
al-organizational psychology from the University of Calgary. “I truly have a passion for matters of governance and process—that is reflected in my work both in practice and in academics.”

An active researcher with work published in top international journals, Willness’ research expertise covers areas including social and environmental responsibility, non-profit governance, student engagement and experiential learning, community partnerships and stakeholder engagement, as well as attracting, selecting and retaining talent.

“I am really passionate about our university and so grateful to be considered for this role,” said Willness, whose new role acts as a

link between leadership and governing bodies at USask. “I find this work fascinating, and I respect its importance—I look forward to working with so many wonderful people toward achieving our strategic directions and mission.”

Matching her outstanding research record is Willness’ reputation as an accomplished teacher. Willness is the recipient of USask’s highest honour for teaching, the Master Teacher Award (2017), a USSU Teaching Excellence Award (2016), USask’s Award for Distinction



Dr. Chelsea Willness (PhD) begins her three-year term on January 1, 2020.

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in Community-Engaged Teaching and Scholarship (2014), the Provost’s College Award for Outstanding Teaching (2014), and the Innovation in Teaching Award from the Academy of Management (2012).

SEE WILLNESS, PAGE 10



IN CASE YOU MISSED IT

A lot happens at the USask during the weeks when *On Campus News* isn’t published. Here are a few of the top stories from news.usask.ca:

Award for Pomeroy Creed honoured

Dr. John Pomeroy (PhD), Canada Research Chair in Water Resources and Climate Change at USask, has been awarded one of Canada’s top honours for contributions to environmental science. Pomeroy, one of the world’s most renowned snow hydrologists, will be presented with the Miroslaw Romanowski Medal from the Royal Society of Canada at a ceremony in Ottawa on Friday, Nov. 22. The award recognizes his exceptional contribution to snow research and cold-season hydrology. A Fellow of the Royal Society of Canada, Pomeroy is director of USask-led Global Water Futures, the world’s largest freshwater research program.

University of Saskatchewan (USask) researcher Dr. Irena Creed (PhD)—one of Canada’s most influential water scientists—has been named a Fellow of the Royal Society of Canada (RSC), the country’s national academy of distinguished scholars, artists and scientists. The newly elected Fellows were announced Sept. 10 and will be inducted at a special ceremony in Ottawa on Friday, Nov. 22. Creed, a former Canada Research Chair in Watershed Sciences at Western University, served as executive director of the USask School of Environment and Sustainability until July 1 when she was appointed associate vice-president of research at USask.

Research Junction 20 years for CLS

The University of Saskatchewan (USask) and the City of Saskatoon are partnering on a new program to help solve challenging urban issues through the power of research collaboration. The new \$100,000 cost-shared program—Research Junction—will involve teams featuring USask researchers and city staff members working together to address community needs around issues that include urban planning, reconciliation, transit, environmental sustainability, and youth issues. Research Junction is a major initiative under a memorandum of understanding (MOU) signed last year between the city and the university.

From the discovery of an enzyme able to turn any blood into a universal donor type, to a process that creates plastic from sunshine and pollution, to identifying heat-tolerance traits in pea varieties, scientific advances achieved at the Canadian Light Source (CLS) at the University of Saskatchewan (USask) are being celebrated as the institution marks the 20th anniversary of its launch. Construction of the synchrotron facility on the USask campus began in 1999 and its official opening was held Oct. 22, 2004. Since then, thousands of scientists from across Canada and around the world have come to the CLS to run experiments that could not be done elsewhere in Canada.

FOR MORE UP-TO-THE-MINUTE NEWS, VISIT: news.usask.ca @usask

PEOPLE OF THE PLAN

The University of Saskatchewan's new seven-year plan through to 2025 is entitled *The University the World Needs* and has been gifted Indigenous names *nīkānītān manācihitowinihk* (Cree) and *ni manachihitooaan* (Michif), which translate to "Let us lead with respect." In each issue of *On Campus News* in 2019, we take a closer look at the 12 major goals of the new plan by profiling individuals involved in the university's commitment to Courageous Curiosity, Boundless Collaboration and Inspired Communities. In this issue, we chat with Dr. Christy Morrissey (PhD), professor of biology in the College of Arts and Science and the School of Environment and Sustainability at USask.

COMMITMENT: INSPIRED COMMUNITIES
(Inspire the world by achieving meaningful change with and for our communities)

GOAL: AMPLIFY VALUE
(Distinguish the university as an essential community partner by growing and documenting our impact on prosperity, quality of life, social resilience, ecological sustainability, and student success in rural and northern Saskatchewan, in our towns and cities, and in communities across Canada, and globally)

Christy Morrissey: Community impact

JAMES SHEWAGA

Promoting ecological sustainability, protecting the environment and being an essential community partner are some of the basic tenets of the University of Saskatchewan's (USask) seven-year plan to be *The University The World Needs*.

They are also at the heart of the work Dr. Christy Morrissey (PhD) does every day—in the classroom, in the lab and in the field—as she studies the damaging effects of pesticides and industrial pollutants on migratory birds.

"These are really important issues that occur right here in this province, so I think the university is well-positioned to study these problems that are happening in our backyard," said Morrissey, a professor of biology in the College of Arts and Science and the School of Environment and Sustainability at USask.

Morrissey, who joined USask in the fall of 2010, is an ecotoxicologist and one of North America's leading experts on the threat to wild birds, particularly the effects of controversial neonicotinoid insecticides. Centred in the heartland of the agriculture industry, Morrissey has found many producers in the province

“ I think it is really important that we get that knowledge out to the farmers, rather than just speaking to academics and governments.

— Dr. Christy Morrissey



Dr. Christy Morrissey (PhD) is a professor of biology in the College of Arts and Science and the School of Environment and Sustainability at the University of Saskatchewan.

DAVID STOBBE

are indeed interested and support her research endeavours.

"Environmental contaminants are a big issue everywhere," she said. "When we study pesticides,

for example, that takes us to agricultural fields across the Prairies," she said. "We are working on farms and study the problem right there in the fields.

"Farmers are real stewards of the land and they don't want to be harming the environment that they live on. The soils are important to them, the birds that they see are also

important to many of them, and they are signalling that there is a problem."

Sharing her research group's findings with farm producers and the wider community is one of Morrissey's priorities, and a key component of being an essential community partner.

"Farmers are concerned and they are interested in the information that we collect and we try to share it as much as possible," said Morrissey, who has worked with provincial and national bodies on pesticide regulation issues, and shared her team's research findings with the public in local, national and international media interviews as well as in speaking engagements like the recent TEDxUSask event.

"I think it is really important that we get that knowledge out to the farmers, rather than just speaking to academics and governments. We need to let the farmers know what's going on, on their fields. Agriculture is one of the biggest industries for Saskatchewan and for the Prairies as a whole and we are the largest agricultural users in Canada. So we have a real duty, I think, to understand what these chemicals do." ■

Cybersecurity an ongoing focus for USask

JODY GRESS

More than half a million: That's the average number of phishing or fraudulent emails that are blocked from reaching University of Saskatchewan (USask) faculty, staff, alumni and students every day.

Despite the massive number of blocked emails, it's the few that do make it through that cause the greatest concern for USask Chief Information Security Officer Jon Collier and his team in the Office of the Vice-President, Finance and Resources.

"Universities are popular targets for two big reasons," Collier said. "First, we are a large organization and there are a lot of individuals to be targeted. There is value in the individual accounts, whether it be gaining access to their paycheques and payment information, or to any online accounts tied to their university email. Second, the university completes a large number of bill and invoice payments, so there is the opportunity to steal or funnel that money away."



Jon Collier is the chief information security officer in IT Security, Risk and Compliance at USask.

JAMES SHEWAGA

For criminals, the first step in carrying out a cyberattack typically involves gaining access to an individual's credentials or their email account through phishing.

"Given our reputation, the value of using a USask email account to send out fraudulent emails is higher

than when it comes from a Gmail or Hotmail account," Collier said.

To help in the fight against cyberattacks, USask's Information Communication Technology (ICT) department is continually advancing its security practices to keep pace with cyber criminals.

EMAIL SECURITY TIPS:

- Check the authenticity of the email and who it's coming from
- Hover over links to verify the addresses before clicking
- When in doubt, forward the email to phishing@usask.ca

One of the ways Collier and his team are helping to protect individuals is through end user awareness and training.

"We run phishing simulations, so that users can see phishing messages and are provided immediate feedback," Collier said.

To help safeguard against an email cyberattack, Collier touched on a few simple techniques that everyone can use.

"It's OK to be skeptical of requests sent by email, especially if you don't know the person requesting the information," he said. "We also encourage you take the extra few seconds to check the sender's email address—is the

email actually coming from who it says it is.

"Finally, if you receive a suspicious email or have clicked on something that you think could be phishing, forward the email immediately to phishing@usask.ca so the IT Support experts can check to see if the email is legit."

October is Cybersecurity Awareness Month and the ICT security team is hosting a number of cybersecurity-related events to help increase awareness of cybersecurity at the university. To learn more, visit: itsecurity.usask.ca

Jody Gress is a communications specialist in University Relations.

2019 USASK ALUMNI Achievement Awards

A diverse group of individuals whose varied careers had a profound effect on people in this community and beyond will be honoured as USask Alumni Achievement Award winners for 2019.

An acclaimed artist, a titan of business, a couple of sharp legal minds and a trailblazing businesswoman speak to the diversity and breadth of their respective careers. These five, selected by their peers of more than 158,000 USask graduates around the globe, have reached the pinnacle as Alumni Achievement Award winners, as graduates whose contributions go above and beyond.

The USask community will gather Nov. 8 at the Delta Hotels by Marriott Bessborough to celebrate their contributions at the 41st annual Alumni Achievement Awards.

UNIVERSITY OF SASKATCHEWAN
ALUMNI
ASSOCIATION



Rita Mirwald (BA'63, EDUC'67): The trailblazing Rita Mirwald has found success in every stop of her career, from the classroom to the

boardroom at one of the world's largest publicly traded companies.

Mirwald's accomplishments came at a time when women were not often power brokers in corporate settings. She went from teaching elementary and high school students in a classroom to an office as a senior vice-president at Cameco, a global giant in uranium production with its headquarters in Saskatoon.

Mirwald, an Order of Canada recipient in 2010, also forged relationships with Indigenous and Métis communities and helped Cameco become a leader in creating employment and investment strategies in those communities.



Robert Gordon (BCOMM'70): Born and raised in Saskatoon, Robert Gordon left his hometown and became an

accomplished business leader who has never forgotten where he came from.

Gordon took his prairie work ethic and focused his business acumen on technology and information services, working as the CEO of technology companies.

Gordon graduated from the College of Commerce (now Edwards School of Business) with great distinction in 1970, and also holds an MBA from the University of Chicago. Gordon and his wife Brenda, who now live in Savannah, Ga., established the Gordon MBA Scholar Awards at the Edwards School of Business.



Georgina Jackson (BA'73, LLB'76) and Gerald Tegart (BE'73, JD'76): Georgina Jackson and Gerald Tegart have dedicated their working careers to a lifetime in law.

Born in Wadena, Sask., Gerald graduated from USask in 1976 and spent 37 years as a provincial Crown prosecutor and as an adviser to multiple government agencies, and also served as a legal manager, including four years as the deputy minister of Justice and deputy attorney general.

Born in Yorkton, Sask., Georgina has been a trailblazer for women in the legal community since graduating from USask in 1976. After serving as partner at the law firm MacPherson, Leslie and Tyerman, she was appointed to the Court of Appeal in 1991, one of the youngest ever to be named to that court.



Dorothy Knowles (BA'48): The USask community has been blessed to have had Dorothy Knowles in their midst for more

than half a century. Her influence runs deep in the arts community locally and beyond and her artistic works are woven into the fabric of this province.

Born in Unity, Sask., in 1927, Knowles started receiving attention for her art soon after earning her Bachelor of Arts at USask in 1948. She received the Saskatchewan Order of Merit in 1987 and was made a member of the Order of Canada in 2004. Canada Post commemorated her work in two stamps issued in 2006. In 2009, Knowles was named as one of the 100 Alumni of Influence by the College of Arts and Science.

ALUMNI SPOTLIGHT

Every month in *On Campus News*, we highlight an exceptional graduate of the University of Saskatchewan in our Alumni Spotlight feature. In this edition, we focus on award winning professor Dr. Chris Clark (MVetSc) in the Western College of Veterinary Medicine.

Dr. Chris Clark (MVetSc) is a Master Teacher Award winner and USSU Teaching Excellence Award recipient in the Western College of Veterinary Medicine at USask.

KATIE BRICKMAN-YOUNG

Chris Clark: The recipe for teaching success

KATIE BRICKMAN-YOUNG

Teaching was not a profession that Dr. Chris Clark (MVetSc) envisioned for himself when he first came to the Western College of Veterinary Medicine (WCVM) as an intern.

“It wasn’t something I would have considered doing,” Clark said. “Over a three- or four-year period, I realized that rather than being a general practitioner, I wanted to work in an academic institution with a focus on teaching.”

Clark came to the University of Saskatchewan (USask) after completing his undergraduate and veterinary degrees at Cambridge in England. Following his internship, he returned to England for a year before coming back to USask to complete his residency, master’s and PhD in veterinary pharmacology. He joined the WCVM

faculty in 2002 and was named associate dean in 2015.

For nearly 20 years, Clark has been teaching his students to learn beyond the classroom. Over those years, he has come to realize the impact of being passionate has on himself and his students.

“The secret sauce is you have to be enthusiastic,” said Clark. “One quote that has stayed with me: love your subject, love your students, and make sure your students love your subject.”

It was that enthusiasm and the opportunity given to him to teach as a resident that paved an exceptional path for himself as a professor, earning some of the university’s highest honours.

In 2016, he earned USask’s prestigious Master Teacher Award

and was honoured with the USSU Teaching Excellence Award. In 2012, Clark received USask’s Provost’s College Award for

“One quote that has stayed with me: love your subject, love your students, and make sure your students love your subject.”

— Dr. Chris Clark

Outstanding Teaching, as well as the Pfizer Carl J. Norden Distinguished Teacher Award from the American Veterinary Medical Association in 2011.

“I am slightly in awe, to be

honest, that someone noticed and cared enough to nominate me,” said Clark. “It is real privilege to be ranked with other people who have won the awards as well. I strongly believe that the awards represent the commitment of this school to good teaching because I am surrounded by amazing teachers here.”

Clark believes his students also make it easier for him to teach the topics that he does and that the students are the most enjoyable part of teaching.

“I recognize that I have this incredibly privileged position because our vet school is for Western Canada and we take some of the very best students from the four provinces,” he said. “There is an incredible amount of information the students need to know to

graduate and when you see your students get the information—not just memorize it—is a great feeling.”

Clark received plenty of advice and encouragement from colleagues in his early days of teaching, but some of the best advice he has gotten came from students.

“The two things that upsets students the most is that they can’t hear you. Number two: finish on time. You are antagonizing the entire class when you can’t finish on time,” he said. “Being loud, being enthusiastic and finishing on time is a great recipe for success and really important, as that turns out.”

Katie Brickman-Young is a communications officer in Alumni Relations.

Partnership promotes wetland and waterfowl conservation

JESSICA ELFAR

A partnership between Ducks Unlimited Canada (DUC) and the University of Saskatchewan (USask) aims to advance wetland and waterfowl conservation in the country.

Wetland conservation efforts in Canada received a boost on Oct. 10 as USask announced a new partnership with Ducks Unlimited Canada. The two organizations joined forces to create the Ducks Unlimited Canada Endowed Chair in Wetland and Waterfowl Conservation, and also announced a joint fundraising initiative to raise \$5 million to support the chair and its work.

In addition to research and

conservation management efforts, the donor-funded endowment will provide support for students through graduate fellowships and undergraduate scholarships.

Karla Guyn, chief executive officer of Ducks Unlimited Canada, is excited about how the chair will further the conservation science needed to address increasing pressures on wetlands and wildlife. This is especially important in the Canadian Prairies, which she said is the primary area of concern for waterfowl protection in North America. Guyn said wetland loss, drainage, degradation caused by development, and the added threat of climate change, are the top envi-

ronmental issues facing her team of 350 today.

“We want to see the chair advance new knowledge and ideas about wetlands and waterfowl and translate that into action on the ground,” said Guyn. “It’s this landscape-level focus that will provide solutions to some of today’s most pressing environmental issues, including water quality, flood and drought mitigation and climate change.”

USask’s location gave it a considerable edge when DUC was considering Canadian universities to partner with.

“It’s located in the heart of the Prairie Pothole Region, with



Karla Guyn, CEO of Ducks Unlimited Canada and a USask alumna, is one of Canada’s leading conservation scientists.

SUBMITTED

easy access to the western boreal forest, another critical area for this research,” said Guyn.

With both her Master of Science and PhD in biology from USask, she said establishing this chair at her alma mater is also an opportunity for her to come full circle.

“It’s near and dear to my heart—the university gave me such

a wonderful education,” she said. “I feel it’s important to give students an opportunity to go there and pursue studies in this field, while empowering them to help shape the future of conservation.”

Jessica Elfar is a development communications specialist in University Relations.

Cancer researcher named new Nutrien Chair

UNIVERSITY COMMUNICATIONS

University of Saskatchewan (USask) medical researcher Dr. Ron Geyer (PhD) has been named the Nutrien Chair in Clinical Research, leading a five-year research program that could transform cancer care.

Geyer’s research program is part of the USask-led Advanced Diagnostic Research Laboratory (ADRL), which is developing new cancer diagnostic tests for Saskatchewan patients. ADRL is a collaboration of the College of Medicine, Saskatchewan Cancer Agency, and Saskatchewan Health Authority. Currently, many biopsies are being sent out of province for testing. Faster results

with in-province testing can positively impact patient outcomes.

In a second area of work, clinical trials will be conducted on two types of imaging antibodies to improve cancer diagnosis and tumor detection using PET-CT scanning, as well as enhancing image-guided surgeries that enable more precise tumor removal.

“These next phases of our work are focused on precision medicine leading to new therapies and monitoring strategies tailored to individual patients,” said Geyer, a professor in pathology and laboratory medicine.

Through clinical trials, Saskatchewan patients and clinicians will have first access to the new PET imaging probe and to the first molecular-targeted, image-guided surgical program in Canada.

Working out of the ADRL in the Health Sciences Building, Geyer will provide the expertise and infrastructure necessary to train clinicians in the use of new molecular cancer tests for clinical care at Royal University Hospital (RUH), reducing patient travel time, decreasing test turnaround times, and improving therapy monitoring and surgical outcomes.



College of Medicine researcher Dr. Ron Geyer (PhD) is the university’s new Nutrien Chair in Clinical Research.

SUBMITTED

The endowed chair was established in 2009 through a \$1.5-million donation from Nutrien to Royal University Hospital Foundation to recognize excellence in clinical research at USask and accelerate clinical care within the Saskatch-

ewan Health Authority. It was previously held by Dr. Paul Babyn (MD). Geyer’s five-year term, which began October 1, is supported by funding of \$500,000 from the RUHF endowed fund and \$100,000 from the College of Medicine.

Grahams' gift to College of Education to transform teaching and learning

MEAGAN HINTHER

On October 4, the College of Education announced the largest gift in its 92-year history, with a \$1-million donation from Jane and Ron Graham to establish a school for the scholarship of teaching and learning.

The new school will engage in the rigorous study, development and application of novel teaching and learning approaches that lead to innovative teaching practices and measurable gains in student learning.

"We are incredibly thankful to Jane and Ron Graham for their vision and deep commitment to supporting the practice of teaching and learning as serious intellectual work," said Michelle Prytula, dean of the College of Education. "Their passion and dedication to the University of Saskatchewan is helping us improve teaching and learning here on campus and beyond in such a

prioritized and intensive way."

The proposed Jane and Ron Graham School for the Scholarship of Teaching and Learning will be the first centre with programming of its type established within a college or faculty of education in Canada.

Through new program development and the prioritization of teaching and learning research, the school will bring together academics across a wide variety of disciplines to examine their classroom practice in order to understand teaching and learning successes as well as failures. This scholarship has the overarching goal of making new research understandings public, and therefore creating new innovations to improve student learning.

Jane Graham received her Bachelor of Education from USask in 1962 and went on to teach in Moose Jaw before raising a family with her husband Ron (Bachelor

of Engineering, 1962) and building the Graham Construction family business into an international employee-owned corporation.

"As a new teacher, I could have used a place like this to help me bridge the gap between what I had learned at university and my career as a teacher," said Jane Graham at the Oct. 4 announcement. "Ron and I wanted to support this program in order to ensure that today's teachers have access to new research findings and continue to grow in their profession."

The Grahams are the largest cumulative alumni donors in USask history, having given more than \$24 million to the university and its students through initiatives and awards. ♥

Meagan Hinther is the manager of communications and external relations in the College of Education.



DAVID STOBBE

USask alumni and donors Jane and Ron Graham are helping to transform teaching and learning in the College of Education.

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USask celebrates Campus Sustainability Week

 MATT WOLSFELD

The University of Saskatchewan (USask) is highlighting sustainability efforts underway across the university during this week's Campus Sustainability Week.

From mitigating emissions to student hackathons, sustainability has taken hold on campus. Given the importance of addressing global climate change, decreasing greenhouse gas emissions to help reduce USask's carbon footprint is a focus of efforts throughout the university.

"More than 85 per cent of greenhouse gas emissions are directly related to energy consumption in buildings," said Kevin Hudson, energy and emissions officer in the Office of Sustainability. "If the university wants to reduce its emissions, there is no target more worthwhile than reducing energy use in our buildings."

Recent years have been a testing ground for renewable energy potential on campus. Both of the university's solar arrays have set records for monthly energy production this year and investigations

are underway to identify new opportunities for renewable energy around campus.

When it comes to waste, the university is working on a formal organics strategy. Culinary Services and the USask grounds

department's collaborative food waste dehydrator initiative at Marquis Hall has been a successful first step, helping to turn close to 150,000 pounds (68,040 kg) of food waste per year into compost used across campus, while also resulting in cost savings for the university. USask's sustainability successes also including saving water through a variety of new initiatives across campus.

Outside of operations, the Office of Sustainability engages the USask community through programs and events focused on



learning and awareness. Their educational workshops are available to book free of charge by anyone interested. The Sustainability Living Lab also helps connect students to funding and staff resources to shape campus through their coursework. Students looking to take on projects or initiatives independent of their studies also have access to funding through the USSU Sustainability Committee, which funds students looking to address campus sustainability issues.

The sustainability office hosts a number of events throughout the

year to bring awareness and action to campus sustainability issues. EcoHack, the province's first environment- and sustainability-focused hackathon, took place October 4-5, with 70 USask students participating and connecting with community partners to solve real world problems. This week's Campus Sustainability Week events also included cycling and zero waste workshops, the ART*Cycled sculpture exhibition, and a special edition of the campus Farmers' Market.

Currently, the Office of Sustainability is preparing the university's 2020 Sustainability Tracking, Assessment, and Rating System (STARS) submission. This report

covers all areas of campus sustainability and assigns a rating based on total points. USask currently maintains a Silver STARS rating from its most recent 2017 report. Regardless of the STARS rating, the sustainability office is hopeful for the future.

"There are many projects, studies, and discussions underway to make the campus future-ready and sustainable for decades to come," said Bill Hale, manager of Facilities Sustainability and Engineering. "It will take dedication, thoughtful planning, tough decisions and hard work, but we can absolutely become the university the world needs while maintaining sustainability as a pillar of our great institution." ■

Matt Wolsfeld is the community engagement co-ordinator in USask's Office of Sustainability.

For more information on sustainability at USask, visit sustainability.usask.ca.

Health Sciences Building renovations complete

✍️ NAOMI ZUREVINSKI

Thirteen years of renovation and construction conclude this fall at the University of Saskatchewan (USask), as the Health Sciences Building officially re-opens its doors to a bright future, in new spaces allowing for unique opportunities in research, teaching and learning.

With the completion of the A-Wing renovation, Dr. Steven Jones (PhD), associate provost USask Health Sciences (formerly Office of the Vice-Provost Health), said he's looking forward to seeing how the revamped building impacts the community.

"The conclusion of the renovations gives us an opportunity to get all of these systems to work—to fire on all cylinders. All of the pieces are in place and now we can maximize that, working together day-to-day, within one physical structure," Jones said.

Jones said the budget for the project is right on track, supported by the provincial government's nearly \$400 million in funding.



Health Sciences D-Wing in 2011.

Donors also provided support, including Les and Irene Dubé, who donated \$10 million to the Health Sciences Library and the 1150 E-Wing lecture theatre—the university's largest at 500 seats.



Health Sciences D-Wing today.

The Health Sciences Building houses the Colleges of Dentistry, Medicine, Nursing, and Pharmacy and Nutrition, as well as the School of Public Health and School of Rehabilitation Science. Although they are not

housed in the building, the College of Kinesiology and Western College of Veterinary Medicine are also part of USask's Health Sciences and help the university offer one of the broadest arrays of programs in Canada.

Curtis Larson, associate director of operations for Health Sciences, said the building was designed with shared spaces in mind.

"The idea was to promote interdisciplinary research and interprofessional education, because when you go into the workforce, doctors, nurses and pharmacists all interact with each other, so they should be learning together," Larson said.

The multi-phase project was approved in December 2005 and the official groundbreaking ceremony for the first phase—D-Wing—was held in July 2007.

An overall focus on collaboration weaves through the wings, as core facilities were developed where researchers have access to shared equipment, rather than individual labs. In the D-Wing, the laboratories are organized based on research clusters, rather than department or college.

The E-Wing is the centre for social science research and houses the Clinical Learning Resource Centre, while the B-Wing renovation features reimagined classroom spaces. Meanwhile, the A-Wing is a central hub for all deans and administration units.

Efforts were made to ensure everyone in the building has access to natural light, through light wells and glass walls. With sustainability in mind, both the D and E-Wings are LEED-certified.

"E-Wing is LEED gold and D-Wing is silver, which is quite an accomplishment for a lab building because we don't recirculate the air in that building," Larson said, noting other features of LEED include energy-efficient light fixtures, reducing water usage through centralized kitchens, and using eco-friendly paints and flooring.

Since the wings are designed to emphasize collaboration, Larson is excited to see how the building influences the community.

"The best thing is being able to look at the building as a whole now, knowing that we can plan where we want to go from here," he said.

For Jones, the opportunity for collaboration plays a key part in how USask can be the university the world needs.

"The University Plan 2025 challenges us to be the university the world needs, and this building has cemented interdisciplinary thinking on this campus, because it was built specifically to be shared," he said. "It has to be done collaboratively, and for the benefit of all." ♥

Naomi Zurevinski is a USask graduate and freelance writer.

USask unveils plans for Prince Albert campus

✍️ UNIVERSITY COMMUNICATIONS

The University of Saskatchewan (USask) has unveiled designs for its new campus in Prince Albert.

On Sept. 16, USask President Peter Stoicheff unveiled the campus' new exterior signage and renderings of what the renovated space will look like when it opens in fall 2020.

"The new campus in Prince Albert will enhance our ability to provide high-quality post-secondary education to Indigenous and northern communities and will serve as an anchor for the univer-

sity's emerging northern strategy," said Stoicheff. "Our students, faculty and staff will benefit from an investment that promotes quality educational programs and student support services."

The campus, located in the heart of Prince Albert at 1061 Central Avenue, will include classrooms, offices, lab facilities and gathering areas. The two-storey, 110,000-square foot building is LEED (Leadership in Energy and Environmental Design) Gold certified.

The campus will bring together students in the Colleges of Agriculture and Bioresources, Arts and Science, Education, Kinesiology, Nursing, and the Edwards School of Business to one location. Students will also be able to complete one year of study towards dentistry, law, medicine, nutrition, pharmacy, physical therapy, and veterinary medicine. In the 2018/2019 academic year, more than 400 students took USask classes in Prince Albert. Of those students, 55 per cent were Indigenous. ♥



The University of Saskatchewan's new Prince Albert campus will be housed in this renovated building.

DAVID STOBBE

USask students supporting food sustainability

 KATIE BRICKMAN-YOUNG

In Saskatoon, there are people who don't always have enough food to eat.

A local organization, founded by University of Saskatchewan (USask) alumni and supported by

current students on campus, is trying to change that and bring about food sustainability to community groups and people in the city.

"FoodRenew helps to reduce

food waste in the city by working with local food businesses to renew their food that would otherwise be thrown away," said Steven Rau, who graduated from computer science at USask in 2016 and helped found FoodRenew in 2017. "The rescued food is picked up by FoodRenew volunteers and delivered to one of many community groups in the city who put it to use."

Muhammad Khalil kick-started the idea of pairing businesses that have excess food with people and organizations that could benefit from it. Khalil recruited his friend and now wife, Courtney Boyko, and fellow USask students Jessica Benoit and Rau to build a website, and connect with local restaurants and volunteers to fill the gap in Saskatoon. Khalil and Boyko have moved to Toronto, so Rau, Benoit and USask pharmacy student Tyson Follack are continuing the mission.

"Local restaurants want to do

what they can to give back and be more sustainable," said Rau. "On the recipient side, a lot of these places don't have big budgets to buy fresh produce. We felt like we were filling a gap as both of these groups we are serving needed help."

“ FoodRenew helps to reduce food waste in the city by working with local food businesses to renew their food that would otherwise be thrown away.

— Steven Rau

FoodRenew started off small with Rau building a website, Benoit helping with design and Khalil and Boyko building connections in the community. They are now working with 15 local food businesses, delivering food to six recipient organiza-


tions.

"Going into this, none of us really knew how bad of a problem it is," said Benoit.

Local restaurants and businesses work with FoodRenew to donate their surplus of raw or prepared food. Volunteers with FoodRenew pick up the extra food and donate directly to community groups.

"All the organizations are super appreciative and thankful for the service we provide," said Rau.

Since the first pick up in March 2018, FoodRenew is closing in on 10,000 pounds of food saved.

"Seeing people struggle with food security and knowing that people are going without food is hard to see," said Rau. "Being a part of FoodRenew has given us the opportunity to meet some people, donate food and give back." 

Katie Brickman-Young is a communications officer in Alumni Relations.



Rau



Benoit



Follack

REVIEW OF PRESIDENT PETER STOICHEFF

The Board of Governors has authorized the establishment of a Review Committee for President Peter Stoicheff, who has indicated his openness to serving for a second term as President. The Review Committee held its first meeting on September 3, 2019.

All members of the University community are invited to provide the Committee with comments – electronically at presidentialreview@usask.ca or in writing to the attention of Beth Bilson, University Secretary. All written submissions must be signed. The Committee is interested in knowing the perspective from which the submission has been provided, and would appreciate an indication of the nature of the writer's affiliation with the University of Saskatchewan.

Full details of the request for feedback and the committee membership can be found at the website of the Office of the University Secretary, secretariat.usask.ca/about/presidential-review.php.



Willness offers extensive experience

FROM PAGE 2


Among her teaching accomplishments, Willness created and implemented an experiential course that pairs business students with non-profit boards and community mentors for an eight-month governance practicum. Willness has a keen interest in governance and leadership development toward capacity building and organizational sustainability, and she is actively

involved in governance initiatives in the not-for-profit sector.

"I am extremely proud to have Chelsea join the senior leadership team at USask," said Peter Stoicheff, USask president and vice-chancellor. "Chelsea brings an outstanding mix of experience and knowledge related to policy and governance, as well as a very deep understanding of the post-secondary education landscape in Canada—all of which

will contribute to USask being the university the world needs."

Willness steps in for outgoing university secretary Dr. Beth Bilson (PhD), who has served in the role since February 2017.

"It was my honour to work alongside Beth for the last few years," said Stoicheff. "I am very appreciative of the strong foundation Beth has created during her time in this role and look forward to how Chelsea builds from this." 



Students Wardah Anwar (left) and Caitlin Woloschuk (right) completed the Human Rights in History course in June at USask.

CHRIS PUTNAM



Dr. Mark Meyers (PhD), a faculty member in the Department of History, teaches the course Human Rights in History at University of Saskatchewan.

SUBMITTED

A history of struggle:

USask students experience Canadian Museum for Human Rights

CHRIS PUTNAM

From police and protester clashes in Hong Kong, to migrant jails in the United States, to debates over what defines genocide in Canada, issues of human rights have dominated the news in 2019.

These events underscore the message Dr. Mark Meyers (PhD) stresses to his students at the University of Saskatchewan (USask).

Human rights, he says, are “an ongoing project.”

“They are not something that can be taken for granted. The history of their attainment is a history of struggle,” said Meyers, a faculty member in the Department of History of the College of Arts and Science.

In June, Meyers and 11 undergraduate students visited the Canadian Museum for Human Rights (CMHR) in Winnipeg, as part of an experiential learning course titled Human Rights in History. It was the third time the course, created and taught by Meyers, has been offered.

“It’s not just the sanitized version of what’s happening. It’s pretty raw, and it’s very emotional,

and you have to make sure that you’re doing self-care throughout the course,” said USask student Caitlin Woloschuk, who took the summer course as part of her double honours degree in history and women’s and gender studies.

The CMHR contains exhibits on human rights successes as well as failures, including personal accounts from victims of mass atrocities. At the start of the three-week course, students spend three days in Winnipeg touring the museum and writing their reflections.

“It was exhausting, both mentally and physically,” said Wardah Anwar, a first-year English student.

It was also enlightening. Anwar, who plans to eventually study law, said the course gave her a better perspective on the roots and patterns common to human rights abuses.

“I feel like when you study the past, you actually learn more about the present,” Anwar said.

The course was first conceived when Meyers visited the CMHR after it opened in 2014. A specialist in French intellectual history, Meyers saw potential to offer students

a powerful learning experience through the new national museum.

Meyers consulted with experts at the Gwenna Moss Centre for Teaching and Learning (GMCTL) to develop the course, which launched in 2015. Funding from the GMCTL, the college and the history department has covered most travel costs for students each year.

After returning to USask, students learn about major developments in the history of human rights, beginning with the French Revolution. One topic of discussion is Canada’s own mixed record on human rights, including the ways human rights discourse has been used to justify imperialism and colonialism.

“That’s a complicated history, and it’s something that we have to be really mindful of,” said Meyers.

A goal of the course is to inspire students to be defenders of human rights, something Woloschuk said she now feels better equipped to do.

“My favourite thing to take away from the class was how to have discussions with people who have completely opposing views from you

... and learning how to ask them questions, to understand their point of view and diplomatically approach the conversation,” she said. ▀

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

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ARTISAN

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FRIDAY	SATURDAY	SUNDAY
Nov 1	Nov 2	Nov 3
3PM - 8PM	11AM - 6PM	11AM - 5PM

ADMISSION: \$5

USask open textbooks more popular than ever

✍ MEGHAN SIRED

This academic year, more students than ever before—50 per cent more than last year—at the University of Saskatchewan (USask) will use an open textbook, thanks in large part to Dr. Jordan Cummings (PhD).

Cummings, a psychology professor in the College of Arts

and Science, was part of a team that developed an open textbook—books available online for free—for several sections of two first-year USask psychology classes.

“I noticed every semester I had more and more students who told me they couldn’t afford the

textbook and were trying to get by without it because of its cost,” said Cummings. “Creating an open book was a way that I could make the class more accessible, and guarantee that no one would be at a disadvantage because they couldn’t obtain the text.

“The experience was a lot of work but worthwhile. Working with the graduate student assistants was wonderful and seeing the project come together was rewarding for all of us.”

With traditional textbooks costing on average \$100, students from across the institution using open textbooks are expected to save a total of \$660,000 in the 2019/20 academic year, which brings the total savings to \$1.84 million since 2014/15.

Open textbooks have an open copyright license and are made available online to be freely used by anyone with internet access. According to Heather Ross, an educational developer at the Gwenna Moss Centre for Teaching and Learning, more and more faculty are interested in developing their own open educational resources, or modifying existing ones.

“I’m very pleased that many instructors at the University of Saskatchewan see not only the benefits of open educational resources for students, in financial terms, but also through the opportunities that open resources offer in terms of the pedagogical benefits and academic control, or freedom for professors,” said Ross. “We are one of the leaders in Canada in the integration, creation and modification of open educational resources, something we should all be very proud of.

“The new first-year psychology open textbook is a prime example



Heather Ross is an educational developer at the Gwenna Moss Centre for Teaching and Learning at USask.

📄 SUBMITTED

of taking existing open resources and shaping it and adding to it—similar work has been done in geology, physics, and the Edwards School of Business.”

Cummings used funding available through the Gwenna Moss Centre to hire graduate students to help develop slides for classes and a test bank. She said she relied on the expertise of people from across campus to help create her open textbook, including those from the Department of Psychology,

the Gwenna Moss Centre, and the Distance Education Unit.

To view open textbooks from USask, visit openpress.usask.ca. Faculty who want more information about adapting or modifying open educational resources can contact Heather Ross at heather.ross@usask.ca.

Meghan Sired is a communications co-ordinator in the Teaching, Learning and Student Experience portfolio.



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No.	Publication Date	Internal Date
3	November 8	October 28
4	December 13	November 29
5	January 10, 2020	December 20
6	February 14	January 31, 2020
7	March 13	February 28
8	April 10	March 27
9	May 8	April 27

Now in its 27th year, *On Campus News* is published on the second Friday of each month. Here is a list of upcoming publication dates and deadlines for 2019/20. As always, send your story ideas and ad bookings to news@usask.ca.

HUSKIES HOME ACTION:

FRIDAY, OCTOBER 11

Women's Soccer: vs. Regina, at Nutrien Park Field No.7, 2pm.
Women's Hockey: vs. Alberta, at Merlis Belsher Place, 7 pm.
Men's Volleyball: Huskie Invitational, vs. Brandon, at the PAC, 8 pm.

SATURDAY, OCTOBER 12

Men's Volleyball: Huskie Invitational, vs. Windsor, at the PAC, 5 pm.
Women's Hockey: vs. Alberta, at Merlis Belsher Place, 7 pm.

THURSDAY, OCTOBER 17

Men's Basketball: Graham Shootout, vs. Mount Royal, at the PAC, 7pm.

FRIDAY, OCTOBER 18

Men's Hockey: vs. Lethbridge, at Merlis Belsher Place, 7 pm.
Men's Basketball: Graham Shootout, vs. Lakehead, at the PAC, 7pm.

SATURDAY, OCTOBER 19

Women's Soccer: vs. MacEwan, at Nutrien Park Field No.7, 2 pm.
Men's Basketball: Graham Shootout, vs. Laurentian, at the PAC, 3 pm.
Men's Hockey: vs. Lethbridge, at Merlis Belsher Place, 4 pm.

SUNDAY, OCTOBER 20

Women's Soccer: vs. Alberta, at Nutrien Park Field No.7, 2 pm.

FRIDAY, OCTOBER 25

Volleyball: vs. UBC at the PAC, Women's: 6 pm. Men's: 8 pm.
Men's Hockey: vs. Calgary, at Merlis Belsher Place, 7 pm.

SATURDAY, OCTOBER 26

Football: vs. Alberta, at Griffiths Stadium, 2 pm.
Volleyball: vs. UBC at the PAC, Women's: 3 pm. Men's: 5 pm.
Men's Hockey: vs. Calgary, at Merlis Belsher Place, 7 pm.

FRIDAY, NOVEMBER 1

Volleyball: vs. Brandon at the PAC, Women's: 6 pm. Men's: 8 pm.
Women's Hockey: vs. UBC, at Merlis Belsher Place, 7 pm.

SATURDAY, NOVEMBER 2

Volleyball: vs. Brandon at the PAC, Women's: 3 pm. Men's: 5 pm.
Women's Hockey: vs. UBC, at Merlis Belsher Place, 7 pm.

FRIDAY, NOVEMBER 8

Basketball: vs. MacEwan at the PAC, Women's: 6 pm. Men's: 8 pm.

Huskies wrestler sets sights on Olympics

✍️ JAMES SHEWAGA

He grew up in the rugged northern Manitoba community of Flin Flon, best known as the home of Hockey Hall of Fame legend Bobby Clarke and for mines producing massive amounts of zinc and copper metal. But Huskie Athletics wrestler Hunter Lee is bringing home decidedly different kinds of medals these days.

The third-year College of Education student at the University of Saskatchewan (USask) had a breakthrough year in 2019, winning gold in the Canada West conference finals in Abbotsford, B.C., and silver at U Sports nationals in Calgary in February, as well as bronze at the junior world championships overseas in Estonia in August.

From a raw, hard-working kid who began training with Huskie Athletics wrestlers on weekend trips to Saskatoon back when he was in Grade 10, Lee has developed into one of the country's top young wrestlers, and is quick to share the credit with his coaches and teammates.

"The Huskie program is a big part of the reason why I am the wrestler I am today," said Lee, a 5-foot-11, 205-pound powerhouse, whose summer training took him across Europe from Italy to Romania to Estonia. "I think the Huskies have one of the best wrestling programs in the country and we are constantly improving our program, so I am very proud to be a Huskie."

Huskies head coach Daniel Olver has been proud to watch Lee's rapid rise up the ranks of Canada's top young wrestlers and his development into a world medallist.

"What Hunter has achieved is huge and it's been great to watch," said Olver. "Hunter knew what he



Hunter Lee (top) earned bronze at junior worlds, silver at U Sports nationals and gold in Canada West.

GETMYPHOTO.CA

had available to him in the north and what he needed to seek out. He knew he could control his workout program, his time on the mat with his brother, saying yes to any training opportunities that came his way, and most importantly, his work ethic. So, it was awesome to see him really focus and be committed to that journey to winning a junior worlds medal."

Lee has now set his sights on turning silver into gold at the next U Sports nationals, and going for gold in the Olympics one day. That day may come sooner than later, with Lee gearing up for the national team trials in December, hoping to represent Canada in the 2020 Summer Olympics in Tokyo.

"After placing fourth in senior nationals, it felt like making it to the Olympics was a little further away," he said. "But I improved quite a bit

over the summer and finished third at junior worlds and I think that put me right back in the mix to compete for a spot in the Olympics."

Lee has received plenty of help from Huskie coaches and teammates with his training in the gym, as well as academic support from the university for his studies in the classroom. Hunter, who is Métis, is in the Saskatchewan Urban Native Teacher Education Program working towards an education degree.

"It's a good program and they help out a lot and the teachers really want you to succeed," said Lee, who turns 20 on Oct. 31. "School has always been kind of a struggle to keep my grades up, but we have good student advisors and tutors who help us out."

For his part, Lee is also giving back to the community by working with young wrestlers at Huskie

Athletics camps.

"He is really good at connecting with youth wrestlers and obviously that works well if you want to be a teacher," said Olver. "He volunteers his time and is one of those guys who has that ability to connect and model positive things that youth should be doing."

As an Indigenous wrestler from a small northern community who worked hard to develop into a national-team athlete, Lee knows he is a role model for the next generation.

"I don't really think about it a lot, but I understand I would be a role model to the young kids that I've coached who might look up to me," said Lee, whose younger brother Carson is also a member of the Huskies wrestling team. "It doesn't matter where you come from. You just have to want it and train hard enough to get it." 🍀



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Murray Library new home for digital research

SEAN CONROY

A new home for the Digital Research Centre (DRC) is helping make research, artistic works, and items of cultural significance more accessible to faculty and graduate students, as well as members of the community.

The University Library has partnered with the College of Arts and Science to expand research support at the University of Saskatchewan (USask). The DRC, previously located in the Arts Building, will officially open its new location on the second floor of the Murray Library this month.

“The library is uniquely positioned on campus to dedicate discipline-neutral space to facilitate digital research,” said Dr. Melissa Just (EdD), dean of the University Library. “The DRC will allow our faculty and students to capitalize on library expertise and information resources, and apply digital research tools, methods and skills to create and produce innovative scholarly outputs.”



Craig Harkema, library systems and information technology co-director of the Digital Research Centre, digitizes an old text. DAVID STOBBE

The DRC works with researchers to create digital platforms, assist with digital asset management, and support the development of grant proposals for research involving digital technologies.

“The primary goal of the DRC is to make research, items of culture significance, and artistic works more accessible and to support new forms of scholarly output,” said Craig Harkema, co-director of the DRC.

“Relocating the space will allow the library to better support the digital scholarship needs of the university.”

“The exciting new structure of the DRC will provide a range of supports—from assistance in grant development to archiving digital projects in accessible ways—and now features collaborative services and creative work spaces for students, faculty, and research community partners,” said Dr. Peta Bonham-Smith (PhD), dean of the College of Arts and Science. “The opening of the new DRC space in the library engages with a university-wide mandate and USask’s strategic commitments: courageous curiosity, boundless collaboration, and inspired communities.”

USask researchers are already making use of the DRC’s resources and workspace. Researchers from across campus have been working on a variety of projects, including text analysis, oral histories and database design. Among the projects currently ongoing and supported by

the DRC is the Northern Heritage Digitization Strategy, a digitization project that focuses on items of cultural and historical significance.

The DRC also works collaboratively with community partners. Colin Osmond, a USask PhD candidate conducting historical research with the Pictou Landing Mi’kmaq First Nation in Pictou, N.S., has worked extensively with the DRC on his research.

“I have been able to create an online database where all of my primary research can be stored and shared with the Pictou Landing community, allowing them to remain up-to-date and involved in my current research, and have access to a collection of important historical documents about their community’s history.”

The official opening of the DRC is Thursday, Oct. 24 at 2pm in Murray 228. ♥

Sean Conroy is the communications officer in the University Library.



UNIVERSITY OF SASKATCHEWAN

2ND ANNUAL SENATE FORUM

Climate Change: Myth vs. Reality

October 16 4–6 pm

Holiday Inn Express & Suites
Saskatoon East – University
High Up Above Room

Refreshments available. Parking is available at both the Holiday Inn parkade and the university stadium parkade.

For more information and to RSVP visit usask.ca/secretariat

Speakers include:

Irena Creed, School of Environment and Sustainability
Jay Famiglietti, Global Institute for Water Security
Steven Webb, Global Institute for Food Security
Denea Cheecham-Uhrich, student

The USask Senate is the voice of the community.
Everyone is welcome.



COMING EVENTS

SEMINARS / LECTURES

Department of Psychology's monthly colloquium series

Members of the university community and the general public are welcome to attend. For more information, contact Peter Grant at 306-966-6675 or e-mail: peter.grant@usask.ca

- Oct. 24, 3–4 pm, Arts 153. Olav Krigolson, associate director, Centre for Biomedical Research and associate professor, Theoretical and Applied Neuroscience Laboratory, University of Victoria, will present *Destination Mars: Using Mobile Electroencephalography (EEG) Technology to Support NASA's Mission to the Red Planet*. NASA has a goal of sending astronauts to Mars in the foreseeable future. As a part of the work-up to that mission, the Krigolson Laboratory is developing mobile EEG (brain wave) technology to monitor astronaut brain health and function during the Mars mission. In this talk, Dr. Krigolson will discuss his work with the Hawaii Space Exploration Analog and Simulation (HI-SEAS) project and what his laboratory has done to support the Mars mission. Dr. Krigolson will also discuss what is leading up to the next HI-SEAS mission and his laboratory's use of mobile EEG technology to study learning, decision-making, and cognitive fatigue.

Philosophy in the Community

7-9 pm, The Refinery, Emmanuel Anglican Church Basement. 609 Dufferin Ave. This community lecture and discussion series is organized by the Department of Philosophy to share the rewards and pleasures of philosophical reflection. Free and open to the public. For more information, visit: usask.ca/philosophy/community

- Oct. 11, *A Defense of Belief without Evidence*, presented by Tate Williams.

Literature Matters

7:30 pm, Grace-Westminster United Church social hall, 505 10 St. E. Reading, studying and talking about literary works helps us to make sense of the world. In this series of community talks, members of the Department of English explore diverse literary topics.

- Oct. 16, *Burning Words: Cases from the History of Text-Burning*, presented by Doug Thorpe.

AgBio Rekunyk Lecture Series Seminar

Oct. 28, 3–4 pm, Physics 103. Dr. Jon Lundgren will give a talk entitled *Ecology intensive farming—breaking rules and using our food production system to solve planetary scale problems*. Critical problems are evident in the industrialized food production model that necessitate that we rethink how we produce food. Regenerative agriculture demonstrates that we can promote soil health and conserve biodiversity while growing nutritious food profitably. The farmers are leading this movement around

the world and science is struggling to catch up. Thus, a revolution in how we produce food, as well as how we conduct applied science, is imminent. Dr. Lundgren is an agro-ecologist, director of the ECDYSIS Foundation and CEO for Blue Dasher Farm. He received his PhD in Entomology from the University of Illinois in 2004, and was a top scientist with USDA-ARS for 11 years. Lundgren's research and education programs focus on assessing the ecological risk of pest management strategies and developing long-term solutions for regenerative food systems.

Timlin Lecture

Oct. 16, 5–6:30 pm, Neatby-Timlin Theatre (Arts 241). Professor Mark A. Drumbly, Washington and Lee University, will give a talk entitled *Youth, War and Violence: Reimagining Child Soldiers*. Child soldiers receive considerable media attention, yet they remain poorly understood. This lecture seeks to bridge this gap by challenging prevailing orthodoxies and by emphasizing the resilience, humanity and potential of children affected—rather than afflicted—by armed conflict. This event is presented by the Timlin Trust and Department of Political Studies.

International Humanitarian Law Academic Conference: Global Movement of Arms

Nov. 4, 12-4 pm, College of Law Room 150. USask's College of Law and the Canadian Red Cross present the 2019 International Humanitarian Law (IHL) academic conference: Global Movement of Arms. Recognizing that arms

and ammunition fuel armed conflicts all over the world, the Saskatchewan IHL Conference will focus on the flow and trade of arms, including looking at the recent accession of Canada to the Arms Trade Treaty and what it means for domestic law. This event will bring together experts in the field, including academics and practitioners to discuss the global movement of arms. Registration is free at: redcross.ca/IHLyxe

COURSES / WORKSHOPS

Spanish Weekender Workshop

Oct. 18-20. 224/225 RJD Williams Building, 221 Cumberland Avenue North. This low beginner Spanish program is ideal if you have little or no previous Spanish-speaking experience. For more information, contact Gisele Piche at 306-966-4355 or email gisele.piche@usask.ca

MISCELLANY

Recharge

Oct. 17, 6–9 pm, Gordon Oakes Red Bear Student Centre. Featuring Candy Palmater, international Indigenous speaker and comedian followed by a panel discussion. Proudly sponsored by the President's Office, Vice-Provost Indigenous Engagement, Vice-Provost Health, College of Arts and Science, College of Education, College of Dentistry, College of Medicine, School of Public Health. For more information, visit indigenous.usask.ca

THE ARTS

Lawrence Blough: *Domestic Mutations in the Age of the Sharing Paradigm*

Oct. 17, 7 pm, Agriculture Building atrium. *Domestic Mutations in the Age of the Sharing Paradigm* presents Professor Lawrence Blough's architectural proposals for new types of collective living space influenced by emerging social and economic collaborative models. Contesting accepted delineations between work and leisure, nuclear family and post-familial life, four organizations are developed around different co-live and co-work scenarios. Following the public lecture, an open reception will take place at 8 pm in the Kenderdine Art Gallery. Copies of the 60th anniversary edition of *The Structurist* will

be offered for sale at the event and Professor Emeritus Eli Bornstein, publisher of the magazine, will be in attendance to sign them.

Greystone Theatre presents *Frankenstein; or The Man and the Monster*

Oct. 9-19, Greystone Theatre, John Mitchell Building, 118 Science Place. Directed by Dwayne Brenna, Henry Milner's 1826 *Frankenstein*, based on Mary Shelley's famous novel. Tickets go on sale two weeks before each show, available by calling 306-966-5188 or go on-line at: <https://artsandscience.usask.ca/drama/greystone/greystone-theatre.php>

**NEXT OCN: November 8
DEADLINE: October 25**



MCKERCHER LLP
Lecture Series
at the College of Law

OCTOBER 21
SASKATCHEWAN LAW REVIEW LECTURE
Some reflections on Access to Justice
The Hon. Justice Russell Brown, Supreme Court of Canada
7PM | MLT AIKINS LECTURE THEATRE (ROOM 150),
COLLEGE OF LAW, UNIVERSITY OF SASKATCHEWAN

OCTOBER 28
Discarding Old Prejudices: Judicial Precedent and Aboriginal Title
Kent McNeil, Law Foundation of SK H. Robert Arcscott Chair
12PM | MLT AIKINS LECTURE THEATRE (ROOM 150),
COLLEGE OF LAW, UNIVERSITY OF SASKATCHEWAN



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All lectures are free and open to everyone.

31st Annual Michael Keenan Memorial Lecture

"The Self, Agents and Actors: a Realist Conception of the Human Person."

OCTOBER 24
7:30 PM
STM AUDITORIUM

2019 GUEST LECTURER:
Margaret S. Archer
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The annual Keenan Lecture honours the memory and achievements of STM's first Dean, Dr. Michael Keenan.



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THE OBSERVATORY SUNDIAL

✍️ CHRIS PUTNAM

For five decades, a towering timepiece outside the University of Saskatchewan Observatory challenged visitors: “I am a Shadow / So art thou / I mark Time / Dost thou?”

True to the motto inscribed on its face, that one-of-a-kind sundial was lost to time. It weathered away, was rebuilt in 1984 and finally removed in the early 1990s.

In August 2019, a new 10-foot-tall sundial was installed at the observatory. The replacement is a replica of the old one and features the original gnomon, or shadow caster.

Astronomy lecturer Dr. Daryl Janzen (PhD) led the project to replace the sundial. He said he has wanted to see the instrument return since first hearing about it as a student in the early 2000s.

“A sundial is a really cool feature that draws people’s attention to the movement of the Earth. And this was a really unique one that had been here for 50 years,” Janzen said.

The original custom-made sundial was designed and paid for by Professor William H. White around 1945. White retired to Canada from a professorship at the University of London, coming to Saskatoon in 1942 to be near an observatory where he could pursue his astronomy hobby. He volunteered at the campus observatory for 18 years and was the first to open the facility’s doors to the public.

A classical scholar as well as a physicist, White sometimes helped in the physics department by grading papers submitted by engineering

students. The eccentric scientist was known for leaving students detailed comments—most written in Latin.

White’s eclectic interests are reflected in the sundial’s design. The inscription at the top, in what White called “good enough prairie-dog-Latin,” is *AVE PRAIRIENSE LUMEN*. Roughly translated, it means “Hail light of the prairie.” The “I am a Shadow” motto was taken from a 17th-century sundial in Scotland.

The Department of Physics and Engineering Physics funded the new sundial, which was created this summer with help from the university’s Physics Machine Shop and Digital Research Centre.

“As much as possible, we tried to keep it the same as the original,” said Department of Art and Art History faculty member Dr. Jon Bath (PhD), who designed the 2019 replica.

The new sundial differs from the previous versions in one key way. Instead of wood, it is made from resilient powder-coated aluminum.

“Our goal was to make something as permanent as we could,” said Janzen. 🍀

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



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The College of Arts and Science’s Department of Physics and Engineering Physics installed a new replica of the original sundial on the observatory’s south wall this summer.

CHRIS PUTNAM