ANNUAL TRADITION

The annual Graduation Powwow at the University of Saskatchewan was held in the new Merlis Belsher Place on campus for the first time on May 31. While the location was new, the event continued the tradition of celebrating the accomplishments of students graduating from USask and from high schools all across the province. The annual powwow kicked off a week of celebration at Merlis Belsher Place, where USask Spring Convocation was held from June 3-7, as convocation ceremonies returned to campus for the first time in 50 years. We take a look at a couple of our outstanding graduating students and some impressive alumni in this edition of On Campus News.

SEE PAGES 4, 5, 10, 14
Employee engagement survey results released

JO DY GRESS

For Naomi Taoubi, the results of this year’s employee engagement survey go far beyond the numbers.

As the project lead of the bi-annual survey, the senior consultant in the People and Resources portfolio at the University of Saskatchewan analyzes the quantitative and qualitative data collected through the survey to create an understanding of employee trends across campus.

“The overall employee engagement and enablement scores are important benchmarks for the university, but the real value is in the patterns and stories that we see based on the various views we can take of our data, as well as in the college, unit, and departmental level reports,” said Taoubi. “An engagement survey is a snapshot at a point in time. However, the results stand to serve us over a much longer period.”

Taoubi reported that overall, a safe working environment and a feeling that their unit/college leader cared about their well-being, ranked highest amongst employee responses.

“It was reassuring to see progress in key areas like employee wellness and safety, as targeted efforts and initiatives have been ongoing in both of these,” said Taoubi.

She also noted that a high percentage of employees understand the university’s strategic priorities and goals, believe that they are the right ones, and see how their work contributes to them. Taoubi credits the high recognition and approval to the recent release of the new university plan—entitled The University the World Needs—in October, 2018, and subsequent planning activities across campus.

“The acknowledgement of the university’s strategic priorities reflects the extensive level of collaboration that went into the development and sharing of the final version of the university plan,” she said. “Having employees understand how their work contributes to the university’s priorities sets us on a great path to delivering on the objectives set out in the plan. It also suggests that employees will experience work with a greater sense of purpose and possibly fulfilment.”

This survey also identified some key areas for improvement.

“We see from the survey results that the university can go further to build a stronger culture of inclusivity for all employees,” said Taoubi. “Results also showed that, overall, employees feel we need to be better”

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:

Fedoruk funding

The Sylvia Fedoruk Canadian Centre for Nuclear Innovation at USask has received $11.6 million in funding for the next five years from the Government of Saskatchewan. The May 22 announcement was made by Minister Responsible for Innovation Saskatchewan Tina Beaudry-Mellor during the opening of the new Innovation Wing of the Saskatchewan Centre for Cyclotron Sciences at USask. The new funding announcement continued the agreement that expired at the end of March, and brings the provincial government’s total financial commitment to the Fedoruk Centre to $45.4 million since 2012.

Support for LFCE

USask has announced details of a 10-year, $250,000 investment from Merck Animal Health for its Livestock and Forage Centre of Excellence (LFCE), the new research facility located southeast of Saskatoon. The long-term investment will support the LFCE’s capital build project and underlines Merck Animal Health’s commitment to the beef cattle industry and research in Canada. Merck will provide the LFCE with $25,000 annually over 10 years, starting in December 2019. The Merck Animal Health Business and Teaching Room will be the central meeting place at the LFCE, a $38-million project.

Vanier scholarship

University of Saskatchewan biomedical engineering graduate student Dr. Adam McInnes (MD) has been awarded a Vanier Canada Graduate Scholarship of $150,000 over three years to develop a new gel to promote tissue growth for 3D printing of artificial organs that may one day be used for transplants. McInnes’ new water-based gel will help stabilize cells and improve their ability to grow in the lab. McInnes, who earned his MD and master’s at USask, will use his newly created material to 3D print structures called scaffolds for growing artificial tissues, a first step to growing replacement organs such as kidneys and livers.

Banting awards

USask toxicology researcher Jonathan Challis and sociology researcher Holly McKenzie have both been awarded Banting Postdoctoral Fellowships worth $140,000 over two years. Challis will develop new techniques at the USask Toxicology Centre to detect and study unknown surface and drinking water contaminants that result from agriculture and industrial or municipal waste. McKenzie will study how St. John Ambulance therapy dog-handler teams can support and provide comfort to women who seek assistance at Royal University Hospital for mental health issues and substance use.
Much work still needs to be done, but Candace Wasacase-Laffety believes the University of Saskatchewan (USask) is clearly moving in the right direction when it comes to Indigenization and reconciliation.

The senior director of Indigenous Initiatives at USask has witnessed first-hand the changes on campus over the past two decades and is excited about what lies ahead.

“I see some really positive things here at the university,” said Wasacase-Laffety, a USask graduate who began working on campus in 2001, initially in the Human Resources division as manager for Indigenous Employment. “Where we were 18 years ago, this wasn’t a big agenda item. We had a very small Indigenous population and there weren’t very many Indigenous people working here. But I think over time, and with some changes, the increased participation of Indigenous people has had a positive effect here.”

From physical changes on campus, including the construction of the beautiful Gordon Oakes Red Bear Student Centre, to new strategic commitments to support and increase the number of Indigenous employees and students on campus, Wasacase-Laffety said the university has made significant progress over the past few years. The new university plan has taken that work one step further, and she is inspired by the commitment of USask leadership to the goal of Experiencing Reconciliation, one of the priorities of the new plan.

“The fact that Indigenous work is so well-highlighted inside this plan gives us promise, and gives us an opportunity for more of an investment of resources to make the work come alive,” she said. “I think without a multi-pronged approach, we will not move the agenda further, so it is going to take the whole campus to make this come alive and I believe this plan has a solid foundation to make that happen.”

A member of the Kahkewastahaw First Nation, Wasacase-Laffety continues to help lead Indigenous engagement efforts on campus to promote student success, foster awareness, celebrate diversity and build relationships as the university responds to the Truth and Reconciliation Commission of Canada’s calls to action. So, what does reconciliation mean to her?

“Reconciliation is something that every person in this country can take on,” she said. “It’s a personal call to action as well as a public call to action. So, for an institution like a university, the calls to action could be much broader, simply because of the people we have an opportunity to influence and to grow. We have more than 3,000 Indigenous students here and of the 25,000 students that we have impact on, reconciliation can be a call on a mass scale … There is an opportunity to create that identity here and a ripple effect that we can have in this province and in this country.”
First veterinary class celebrates 50 years

Dr. Ernie Olfert (DVM) and Dr. Peter Rempel (DVM) were working at a fishing camp at Dore Lake, Sask., in 1965 when they received the letters that would change their lives.

The lifelong friends celebrated their acceptance as members of the first class at the Western College of Veterinary Medicine (WCVM)—the new regional veterinary college for the four western provinces.

Both men had wanted to become veterinarians for years, but admission into Ontario Veterinary College, Canada’s only veterinary college at the time, was nearly impossible for western Canadians. Instead, they waited for the new veterinary college to open on the University of Saskatchewan (USask) campus. That day finally came in 1965 when the WCVM’s Doctor of Veterinary Medicine (DVM) program became available to students from across Western Canada.

This spring, members of the WCVM Class of 1969 celebrated the 50th anniversary of their graduation, attending June’s USask convocation ceremonies at Merlis Belsher Place and the WCVM awards banquet.

Being part of the WCVM’s first class wasn’t easy: while the new college was under construction, students had to hustle between classes across campus. The four-year program was also very rigorous, with a lot of hands-on experience.

“In the vet college, if you dawdled at all you were so far behind you couldn’t catch up,” said Rempel.

WCVM’s first veterinary graduates entered a rapidly changing profession.

“If you went into large animal practice, you did a lot of work at the end of a rope. Farmers still expected you to be able to rope and catch that animal, as well as treat it,” said Rempel, who went on to work in Unity, Sask.

While most of the WCVM graduates initially entered large animal practice to meet the demand of Western Canada’s agriculture industry, a few focused on a growing small animal clientele.

“I probably hadn’t seen more than two cats until about 1971, then suddenly, cats started coming in,” said Rempel, whose small animal caseload grew to about 25 per cent by the mid-1970s.

The increasing number of female veterinarians was another major change. The Class of 1969 was the WCVM’s only class with no female graduates. Fifty years later, only 13 of the 78 graduates in the Class of 2019 are men.

Much like today, the WCVM’s first graduates were in high demand. Many didn’t attend their own convocation ceremonies because they were already busy working, filling the desperate need for veterinarians across Western Canada.

“In 1969, if you called five places, you could have got five jobs,” Rempel said.

Members of the first class went on to serve varied roles in large and small animal medicine, equine medicine, reproduction, regulatory medicine, human health research and education, and public service. Rempel became Saskatchewan’s provincial veterinarian, while classmate Dr. Terry Church (DVM) filled a similar role in Alberta.

Olfert was USask’s longtime university veterinarian and helped set up national regulations for protecting the health and care of research animals.

“When I started, there really weren’t any government or national standards. In a sense, that all got built, and I was a part of that,” Olfert said.

The first WCVM class began their philanthropic efforts by establishing the college’s first class fund, raising money for a hospital expansion, research awards, and the annual WCVM 69 Class President Award that recognizes students’ contributions to the college and student life.

“If you want to look at all of us, veterinary medicine was our whole lives. For me as a large animal practitioner, it was 24 hours a day,” said Rempel. “Cumulatively, the feeling came across that maybe we should support new veterinarians, tell them what a good thing it is.”

Jeanette Neufeld is a communications co-ordinator at the Western College of Veterinary Medicine.
Shannon Miller: For the love of the game

Shannon Miller (BSPE’85) grew up in typical small-town Saskatchewan fashion: playing hockey. Originally from Melfort, Sask., Miller brought her love for hockey with her when she started at the University of Saskatchewan (USask) in 1981. “I was lucky, in my first year of university USask was just starting the [women’s hockey] program that year,” said Miller. “I played on the very first ever (officially sanctioned) Huskiettes women’s hockey team. It was full bodychecking back then; no facemasks and full bodychecking.”

Since the team was brand new, the Huskiettes didn’t have a league to play in, but would take on other university teams and non-university teams that were within driving distance of USask. Miller played on the team for four years while completing her degree and then moved to Calgary.

Miller became a police officer, but was able to stay involved in hockey by coaching the Team Canada women’s team. She coached the national team from 1991 to 1998 and was the head coach of Team Canada at the 1998 Winter Olympics in Nagano, Japan.

“When I was named the head coach at the Olympics, I was the only female head coach in the world for hockey and I was the youngest head coach,” said Miller. “During my time with Team Canada, we won three world championship gold medals and then an Olympic silver. From there, I moved to the United States to coach hockey for a living.”

Miller was the head coach at the University of Minnesota Duluth for 16 years. She had a very successful run in Duluth and her team won five NCAA Division 1 championships in her time there. But, during her final season, she was let go.

Miller, who claimed she was fired because of her gender and sexual orientation, was shocked and upset by her dismissal, because her program had been very successful and she had a proven track record of producing winning teams.

“When you have won more national championships than any other college coach in the country—men’s or women’s coaches and men’s or women’s programs—you expect to be treated a lot better and a lot different than I was.”

Miller decided to sue the university for discrimination.

“Miller won her case in 2018, but is still in the post-trial process. She is also gearing up for another trial with two other coaches who were at Duluth and are suing the university for sexual orientation discrimination.”

Although the trial has been a big part of her life for the last few years, Miller has continued with other pursuits and has started her own businesses. She and her partner run Sunny Cycle in Palm Springs, Calif., which is a business that tours people around downtown Palm Springs. Miller also started a coaching and consulting business and does a hockey podcast called Hockey Talk with Coach Shannon Miller, during the hockey season. But ultimately, she would like to get back to what she loves most.

“I really want to coach again, whether that’s on the women’s side of the game or the men’s side of the game, I just want to coach at a high level,” she said.

Miller also hasn’t forgotten where she came from, and visits Saskatoon every summer to see her family. And the USask women’s hockey team hasn’t forgotten about her either, presenting the Shannon Miller Most Valuable Player award that is given out each season.

“It’s really cool and I consider it to be a great honour,” said Miller.  

Taryn Riemer is a communications officer in Alumni Relations.
Some of the smallest books in print in the world are held in a collection at the University Library at USask.

USask collection:
Small books tell big stories

While the phenomenon of the tiny book is largely a product of a bygone era, the University of Saskatchewan (USask) Archives and Special Collections has several of these miniature marvels in its collection, from Shakespeare's *Macbeth* to Sun Tzu's *Art of War*.

The diminutive documents range in size, from a book that would fit snugly in hand to something smaller than a paperclip. Several of the books are so minute that you would need a magnifying glass to actually read them, according to David Bindle, Special Collections librarian at USask.

The collection includes a Bible so small that it comes in a metal case which has a built-in magnifying glass to help the reader see the print. The book, which Bindle said was published in 1901, is almost completely illegible without the glass, but helps tell a story beyond the words in its pages.

“This piece is an example of an early experimentation in photolithographic reduction, a process in which the publishers were able to take a regular-sized printed book and shrink the print down to miniscule proportions through an optical system,” said Bindle.

While many of the tiny tomes are considered something of a novelty now, why did publishers ever bother printing such precious pieces? Portability was often a main consideration, according to Bindle.

“Some of the most interesting small and portable books were hand-written manuscripts from medieval Western Europe,” said Bindle. “They were often commissioned by wealthy patrons who wanted to have a daily devotional book to carry with them at all times. These were often referred to as a book of hours.”

These were not nearly as small as the “tiny” books printed from the early 19th century to today, but they were still quite portable and afforded their owner a certain amount of prestige due to their expense and the fact that to use such a book meant that you were both literate and well educated.

These small books were popular with royalty who had the wealth to commission the best craftspeople to incorporate exquisite paintings called “miniatures”, as well ornate border decorations, and beautiful initial letters of red, blue and gold. Bindle said that although these original books of hours were popular in their day, surviving examples are now fairly rare and command extremely high prices if purchased today—especially the more decorative books.

Some of the tiny books—including one emblazoned with the words “Smallest French & English Dictionary”—were created to be a handy reference as well as a conversational novelty, Bindle explained.

“One can imagine a young woman traveling by train across Europe, and this being a parting gift from her parents.”

The dictionary was placed in a locket that could be worn around the neck and featured a magnifying glass on the front hinged cover. Besides the novelty, there was a bit of practicality to it as well. Nowadays, most people don’t leave the house without their smartphone, but over a century ago it was astounding to pack a whole dictionary’s worth of information into something so small.

The smallest of the small books in the USask collection contains the Lord’s Prayer written in seven languages. Produced in 1952, the little book was created as a fundraising item for the Gutenberg Museum in Germany, said Bindle.

“It is leather-bound with a gold gilt cross and border, but the incredible thing is the type itself. This is not a photo reduction, but actual typeset from a printing press,” said Bindle. “To hold this tiny book, with such tiny print in your hand, is just mind-boggling.”
A Parks Canada scientist is conducting research at the University of Saskatchewan (USask) on bovine tuberculosis in bison to improve diagnosis of the disease and to develop better vaccines.

“It’s a difficult issue because there are no easy answers and there are no easy fixes,” said Dr. Todd Shury (PhD), a national wildlife health advisor in the Office of the Chief Ecosystem Scientist with Parks Canada. Shury is also an adjunct professor in the Western College of Veterinary Medicine at USask.

Shury said it’s an issue that needs to be addressed for the conservation of wild bison herds and to protect the cattle and commercial bison industries. Canada is considered free from bovine tuberculosis, and a TB-control program for cattle has been in place since 1924.

“We’ve worked hard to achieve that status. The bison in northern Canada are the last remaining wildlife reservoir of TB in Canada,” said Shury.

Straddling the Alberta-Northwest Territories border, Wood Buffalo National Park is home to bison herds that include TB-infected animals.

To do nothing could jeopardize Canada’s status as being free from bovine tuberculosis, Shury said. The disease could spread to nearby disease-free bison herds and to cattle ranches in the area.

Bovine tuberculosis (Mycobacterium bovis) affects a wide range of mammals. It shares 99.95 per cent of the same genetics found in the type of TB that affects humans (Mycobacterium tuberculosis), but there are subtle differences between the two.

There are no known cases in Canada of a person being infected with bovine TB from bison, although M. bovis is a significant human pathogen found elsewhere in the world.

In March, 24 bred female bison and one male bison from Elk Island National Park arrived at USask’s Livestock and Forage Centre of Excellence Goodale Farm, located southeast of Saskatoon.

When this spring’s bison calves reach six months of age, the animals will be moved to the Vaccine and Infectious Disease Organization-International Vaccine Centre (VIDO-InterVac)—a containment Level 3 facility for biosafety located on the USask campus. Shury will work closely with other research teams at VIDO-InterVac who are trying to discover new vaccines for bovine tuberculosis and a related mycobacterial disease called Johne’s disease, which mainly affects cattle.

The first part of the bison research will attempt to validate existing diagnostic tests for cattle and determine how well these tests perform in bison. The second phase will determine how well existing vaccines work to protect bison against bovine tuberculosis. The researchers will use two vaccines that have proven effective with cattle and other species, and they will study the animals’ immune response to determine which vaccine is most effective.

Shury hopes that this preliminary, lab-based research will guide the field work that needs to be done in Wood Buffalo National Park, to better manage or eliminate TB in the park’s bison herds.

Parks Canada and the Canadian Bison Association are funding this research.

Lana Haight is the outreach and engagement specialist at USask’s LFCE.
USask researcher finds her chemistry destiny

Cancer is global, but we can make a difference here at the University of Saskatchewan ... I am so, so passionate about my research, and every day we are getting better results and data.”

— Dr. Elaheh Khozimeh Sarbisheh

She came halfway around the world to work on a global problem, and University of Saskatchewan (USask) cancer researcher Dr. Elaheh Khozimeh Sarbisheh (PhD) couldn’t imagine being in a better place to do it.

“The reason that I decided to leave Iran was during my master’s degree I was working on making anti-cancer drugs, but it was difficult to do the research,” said Khozimeh Sarbisheh, who came to Saskatoon from Iran in 2010 to complete her PhD in chemistry at USask. “We receive a really, really good education in Iran, but we don’t have the facilities and equipment available for doing the research that we have here. So, I always tell students to appreciate the equipment that they have here, because it is a dream for lots of people around the world to be in this situation.”

Nine years after arriving on campus, Khozimeh Sarbisheh has made Saskatoon her home, settling in with her husband, USask physics professor Dr. Michael Bradley (PhD), and conducting cutting-edge cancer research with the team led by her mentor Dr. Eric Price (PhD), Canada Research Chair in Radiochemistry.

“During my PhD study, I received world-class training for chemistry here under the supervision of Dr. Jens Mueller (PhD) and I knew after finishing my PhD that I wanted to stay at the university,” said the 34-year-old Khozimeh Sarbisheh, who is currently in the process of applying for Canadian citizenship. “I feel like it is my new home because I also met my husband here and we are both working at the university and trying to push the limits to do great scientific research. Personally, I couldn’t imagine a better situation. I feel so lucky to be here.”
Dr. Elaheh Khozeimeh Sarbisheh (PhD) earned a graduate degree in chemistry and is a post-doctoral fellow working with a cancer research team led by Dr. Eric Price (PhD) at the University of Saskatchewan. USask researcher finds her chemistry destiny

“I was looking to do cancer research, and they strongly supported me, and Eric said I could be his post-doc. So, I am really thankful that he trusted me to join his research group. And five days after finishing my PhD, I started my post-doc here in 2016.”

Price said Khozeimeh Sarbisheh quickly established herself as a valuable member of his research group.

“Elaheh (Ela) joined me very shortly after I started at the University of Saskatchewan and she has been a tremendous help in setting up my new lab and research program,” said Price. “Ela is not only a fantastic scientist and very well-trained chemist, but she is talented at training new students and is very patient in teaching them high-level chemistry and guiding them through a very steep learning curve.

“Ela is a talented and intelligent young scientist and without having her in my lab and on my research team, our progress towards making new radioactive drugs for cancer would not be going nearly as well.”

Indeed, Price’s team is producing promising results to create more effective radiotracers for PET (Positron Emission Tomography) imaging, with fewer negative side effects on a cancer patient’s immune system.

“I just finished my experiment before Christmas and we were able to make a new radioactive metal complex (used in PET imaging) that even after one month, it is 100 per cent stable, so we were so happy,” said Khozeimeh Sarbisheh. “So, this is something we are taking seriously and we want to take it to the next step and work with it.”

Khozeimeh Sarbisheh is confident that research done here at USask will improve cancer treatment in the province, across the country, and around the world.

“Cancer is global, but we can make a difference here at the University of Saskatchewan,” she said. “I would love to develop a breakthrough in cancer research. I am so, so passionate about my research, and every day we are getting better results and data.”

Khozeimeh Sarbisheh said the world-class facilities at USask have helped attract world-class researchers who are taking an interdisciplinary approach to their work that pays dividends.

“Having the cyclotron here is very helpful and one reason that I feel so lucky to be here is because there are world-class researchers like Eric Price, Chris Phenix, (Dr.) Humphrey Fonge (PhD) and (Dr.) Kate Dadachova (PhD),” she said.

“Another great feature about the university is we have engineers, scientists, doctors, oncologists, we have the university hospital and the cyclotron, and we are all working together and collaborating and it makes a huge difference.”

Khozeimeh Sarbisheh has also quickly become a mentor for female students. Two years ago, she set up the USask chapter of the Women in Chemistry group, with help from PhD candidate Kelly Summers and Dr. Ingrid Pickering (PhD). The group brought federal cabinet ministers Kirsty Duncan and Maryam Monsef to speak at USask, and organized this year’s LOGIC conference (Leaders Overcoming Gender Inequality in Chemistry) in Quebec City, June 1-2.

“When I was doing my grad study, I was one of the few girls in the whole department and there were very few women to go and talk to and go to for support or advice,” said Khozeimeh Sarbisheh. “So, I wanted to provide a support group for women in science, especially at the student level, to support and protect each other and say, ‘Hey, you can do this.'”

Price said the promising young researcher has quickly become a role model for young students.

“She is a stand-out example of what hard work and determination can produce, and is a great role model for young students looking to shoot for the top and become world-competitive at whatever discipline they choose,” said Price. “The field of radiochemistry, in particular, is growing rapidly and I believe Ela has a very bright future.”

Khozeimeh Sarbisheh, a post-doctoral fellow whose work is supported by a grant from the Saskatchewan Health Research Foundation.

After completing her PhD, it didn’t take long for Khozeimeh Sarbisheh to secure a spot to continue her work at USask.

“I was looking to do cancer research and I was lucky that by the time I finished my PhD, they had hired two new professors here in radiochemistry; Dr. Eric Price and Dr. Chris Phenix (PhD),” said

### 23RD ANNUAL USASK APPRECIATION PICNIC

**WEDNESDAY, JUNE 26, 2019**
**11 am – 2 pm**

Thank you to staff and faculty for all their work and effort this past year.

Employees are encouraged to bring their families for treats and activities.

Students are welcome to join the fun.

**FREE**
Hotdog/burger/ veggie burger and a drink.

**Dress casual**

**If it rains, the event will be on Thursday, June 27.**

**If you’re a shift worker, meet us in Marquis Hall, Garry Room from 5–6 pm on Wednesday, June 26.**

**There will be photographs taken.**
You can also take your own. Be sure to tag #usask

---

**NEWS.USASK.CA**
Deeksha Shetty came to the University of Saskatchewan (USask) to earn her master’s degree, and leaves as the winner of one of the most prestigious agriscience research competitions in the world.

The 28-year-old from Mumbai, India, came to Saskatoon in 2016 and completed her Master of Science in Applied Microbiology at USask in March, and then finished first in the Alltech Young Scientist competition in May, an international event featuring entrants from 120 universities and 40 countries. After winning the North American regional championship in March, Shetty earned the global title in May by presenting her research paper on Salmonella—a major cause of food poisoning—to a panel of international judges at the annual ONE: Alltech Ideas Conference in Lexington, Kentucky.

“I was thrilled when my name was announced as the global winner of the Alltech Young Scientist competition, since I was aware that this title can open doors for many new opportunities to collaborate with leading researchers worldwide,” said Shetty, who completed her master’s under the supervision of Dr. Darren Korber (PhD), the department head of Food and Bioproduct Sciences in the College of Agriculture and Bioresources at USask, and Dr. Sinisa Vidovic (PhD), assistant professor at the University of Minnesota. “It was a great honour to win the competition, and of course the prize that comes along with it.”

Now in its 14th year, the Alltech Young Scientist competition has awarded $1-million in prizes, with more than 60,000 students from over 70 countries taking part in the annual event. Shetty’s award included a $10,000 first-place prize, in addition to providing invaluable career networking opportunities. Now working as a research assistant at McGill University in Montreal, Shetty said she thoroughly enjoyed her three years on campus at USask, and the mentorship that she received.

“During my graduate years, the university moulded and exposed me to a myriad of ideas and opportunities. It was my honour to represent the University of Saskatchewan and North America as a whole, on the global platform,” said Shetty, who was also recently named the graduate student ambassador for the Canadian Society of Microbiologists. “My supervisors, Dr. Darren Korber and Dr. Sinisa Vidovic, gave me excellent guidance and ideas throughout my program. They have always supported and helped me grow on both professional as well as personal levels. They were the best mentors anyone could ask for.”

While she faced an initial adjustment coming to Canada, Shetty said USask quickly became her new home as she bonded with fellow students and faculty.

“I experienced a climatic shock, since I came from Mumbai where the temperature is 30 degrees or more and Saskatoon welcomed me with minus 30 degrees temperature,” said Shetty, who is now applying for permanent residency and plans to make Canada her home. “But when I met my professors, they were very kind and co-operative, and I quickly got involved with student organizations, so I didn’t feel like I was an outsider.

“The University of Saskatchewan felt more like a home, as I have spent some of the best years of my life in the university. So, it was altogether a very good journey for me.”
Radiation safety officer offers campus collaboration

Matthew Hutcheson, safety is in the details.

This was especially true when installing the new positron emission tomography-computed tomography (PET-CT) at the Western College of Veterinary Medicine (WCVM), making it the first veterinary college in Canada with its own PET-CT dedicated to animal diagnostics and research.

When Hutcheson first became involved with the project, he was focused on the design of the new facility, looking at features like the leaded glass and the thickness of walls. However, when the team learned of his unique background in nuclear medicine, his role quickly evolved.

Before coming to the university, Hutcheson worked as a nuclear medicine technologist with the Saskatchewan Health Authority, and then joined the Sylvia Fedoruk Canadian Centre for Nuclear Innovation at USask as a cyclotron production technologist, producing some of the medical isotopes that are used for diagnostic research right on campus. This combined experience put Hutcheson in a unique position to go above and beyond with the installation of the PET-CT.

“This was a really exciting project to be a part of,” said Hutcheson. “My role as radiation safety officer is more administrative, but with something like this I could still get my hands in there. The more hands-on assistance I can provide, the better advice I can give. The more hands-on assistance I can provide, the better advice I can give. Working closely on a project like this gave me an even better understanding of safety concerns and it allows us to work together to find innovative solutions.”

The PET-CT not only allows veterinarians and researchers to see anatomy, as with a standalone CT scan, but also tells them about the processes in the body, including metabolism. This is important when it comes to monitoring cancer (which often has a higher glucose metabolism), and that’s where the radioactive isotopes come in. Hutcheson was not only able to provide advice on how the safety handle those isotopes, but also on the selection of equipment and with the development of procedures.

“Everyone at WCVM was great,” he said. “They really integrated me into the project and I’m proud to be a part of the team who worked on this.”

When he’s not busy installing major new equipment, Hutcheson spends most of his time reviewing procedures, auditing labs, and helping USask researchers achieve their regulatory requirements.

“The first question I usually get about radiation is, ‘Is it safe?’” said Hutcheson. “The reality is that we’re all exposed to radiation on a regular basis from the natural world around us, and when it comes to radioactive research materials, the protocols we have in place keep the risk very low. It’s more a matter of using best practices to limit unnecessary risk, even if the risk is low. So, a big part of what I do is education. I help staff, faculty and students understand how to work with these materials safely. It’s the collaboration that I like the most, because that’s where we can see if there is anything more we can do, because safety is always in the details.”

Ashley Dopko is a communications specialist in University Relations.

WCVM officially opens new PET-CT scanner

The Western College of Veterinary Medicine (WCVM) is now home to Canada’s only PET-CT unit dedicated to clinical use in animals as well as for animal-human research studies.

The WCVM celebrated the official opening of the Allard Roozen Imaging Suite on June 7. The suite’s construction and purchase of the PET-CT scanner was made possible by a $2.5-million donation from Cathy Roozen, an Alberta businesswoman and philanthropist.

A positron emission tomography-computed tomography (PET-CT) scan combines the information available from a CT scan—a three-dimensional X-ray—with a PET scan, which delivers information about the metabolic activity in tissues.

The new imaging suite will enhance the WCVM’s oncology services and support collaborative One Health research studies targeting animal and human health.
USask nursing student focused on homework, health and helping others

CORY LEYTE

Forest Bihun wakes up at 5:30 every morning to get in an early workout before he attends classes at the College of Nursing on the University of Saskatchewan’s Prince Albert campus.

Until he lays his head down on the pillow at night, he uses any spare time he has to study or go to the gym. But even while he is asleep, he is alert for the ring of his telephone.

You see, Bihun is a man with a purpose.

A full-time nursing student who just completed his second year of studies, Bihun trains and competes in national and international weightlifting competitions, holds down a part-time job in retail sales, and is on 24-hour call as a volunteer firefighter in Prince Albert. He trains with firefighters for three hours every Tuesday, and on one Saturday every month he works on search and rescue skills with the Civil Air Search and Rescue Association, a civilian division of the military.

“It’s about good time management,” Bihun said of his relentless schedule.

Preparing meals for an entire week helps him save time. He also doesn’t spend unnecessary time on his devices. Tactics can vary, but for Bihun, the mantra for success—fully juggling lots of demanding extra-curricular activities is “don’t waste time.”

He stays focused on what is really important to him, which is studying and the gym. The workouts not only help him win competitions, they also help him be prepared for the calls that come from the fire department at any time of the day or night.

“I might have to go to a car accident or a house fire, and that could take 12 hours of my day,” he said. “I don’t have time for socializing and a lot of other stuff. I’ve only watched two hours of Netflix in the last semester.”

Weightlifting is good for Bihun’s mental health, boosts his self-confidence, offers friendships and motivates him to stay fit. And he hopes his well-toned body will earn him a place on the 2020 Saskatchewan Firefighters Calendar.

His fellow firefighters have become like family to him.

“When you go into burning building with people, and live through 14-hour days together, you develop bonds,” he said. “It’s like a big support group, too.”

Bihun’s plethora of pursuits help provide relief from the stress of the nursing program’s heavy course load. Even after a night fighting fires, he shows up for classes and will sleep in his truck during breaks if he has to.

Everything Bihun is doing prepares him for the career paths that appeal to him looking forward, from working in an emergency ward, serving with an emergency ambulance service such as STARS; or helping with international emergency relief. But mostly, he just wants to be a nurse so that he can help people, as he has done ever since he can remember.

“It’s rewarding for me to help people and make their day better. That’s what I want to do as a career.” — Forest Bihun

Cory Leyte is a communications officer in the College of Nursing.

APPOINTMENT

The Board of Governors for St. Thomas More College (STM) is pleased to announce that Dr. Carl N. Still (PhD) has been appointed as the 12th President of STM for a five-year term, effective May 1, 2019.

Well-known and respected at STM and at the University of Saskatchewan, Still joined the philosophy department at STM in 1995 and later served as department head, followed by the role of dean of STM from 2006-2016. Still received his bachelor’s (honours) from the University of South Carolina, his licentiate from the Pontifical Institute of Mediaeval Studies (Toronto), and his master’s and PhD from the University of Toronto. He teaches and researches in the history of western philosophy, with a focus on the Catholic Intellectual tradition. Dr. Still has published four-books, as well as numerous scholarly articles and book chapters.

St. Thomas More College is Saskatoon’s Catholic liberal arts college, federated and academically integrated with the University of Saskatchewan. Approximately 5,000 students are registered in over 250 STM Arts & Science course offerings in 18 subject areas, as part of their USask degrees.
There are two prized parchments that Evan Machibroda and Ben Whiting are determined to leave the University of Saskatchewan with: their USask degrees and their first CFL contracts.

After helping the Huskies football team capture the 2018 Hardy Cup Canada West conference championship, the two players from Saskatoon were selected in the 2019 CFL draft—Machibroda by the Edmonton Eskimos in the fifth round (41st overall) and Whiting by the Montreal Alouettes in the seventh round (57th).

Machibroda is returning to the Huskies for his fifth and final season of eligibility and to complete his engineering degree, after attending Eskimos training camp in May.

“It’s a goal that I set for myself and I have been trying to focus on those two things: earning my degree and playing pro football,” said Machibroda, a dominant defensive lineman who was named an All-Canadian in 2018 as one of the top players in the country. “I am going into my last year of civil engineering, so I plan on finishing my degree first. But I am really excited to take the CFL camp experience and bring that back to our Huskies team here.”

The 6-foot-3, 280-pound Machibroda finished last season with 23 tackles and four quarterback sacks in his fourth year as the anchor of the Huskies defensive line. Amazingly, Machibroda never missed a game despite suffering a torn bicep in the third game of the season, undergoing surgery in December. While he hopes to play pro in the CFL after graduating, he is also preparing for life after football working as an engineer.

“I know you only have a short window to play professional football if you get the chance, so I am going to take that as far as I can, and then I have the rest of my life to be an engineer,” said Machibroda. “So, football is kind of the goal right now, but I still want to graduate to have that degree.

“As for the Huskies, we expect to be in the top echelon in the league and we are working as hard as we can to get back to the national stage and that is our big goal for the season.”

Like Machibroda, Whiting is also determined to play in the CFL and to be prepared for life after football by earning his education degree. The 6-foot-3, 225-pound linebacker is coming off an excellent season in which he led the Huskies and finished fourth in the league in tackles with 44 in the regular season and 16 more in the playoffs, garnering the attention of Alouettes scouts.

“All you need is an opportunity, and I am happy that Montreal has taken a chance on me and I’m going to do my best to take advantage of it,” said Whiting, whose younger brother Tom is also on the football team and older brother Sam played Huskie soccer last season. “We’re still a very good football team. We know we have something special in that locker room and regardless of whether I am there or not, I know they are going to have an unreal season.”

HUSKIE HIGHLIGHTS:

Former University of Saskatchewan Huskies kicker Sean Stenger signed a free-agent tryout contract with the Saskatchewan Roughriders on June 3 in the final week of training camp at USask’s Griffiths Stadium … Huskies quarterback coach Jeremy Long served as a guest coach at Roughriders camp … Huskies Q8 Mason Nyhus attended Calgary Stampeders training camp as part of the CFL’s Canadian Quarterback Internship Program … Five USask football players took part in the 2019 U Sports East-West Bowl in Ottawa on May 11, a showcase for 2020 CFL draft prospects. Receivers Sam Baker and Colton Klassen, defensive lineman Nick Dheilly, and offensive linemen Mattland Riley and Nicholas Summach suited up … Huskies head coach Scott Flory unveiled 17 new recruits at the annual Dogs’ Breakfast on May 2, including 2018 Canadian Junior Football League All-Canadian rushing leader Josh Ewanchyna.
Making a difference on campus, in her college and in the community has earned Kylee Kosokowsky the 2019 Most Outstanding Graduate award in the College of Kinesiology.

“It is a huge honour to be named Most Outstanding Graduate, especially because there are so many impressive people graduating with me,” said Kosokowsky, who celebrated the completion of her kinesiology degree by taking part in June’s University of Saskatchewan (USask) Spring Convocation ceremonies at Merlis Belsher Place. “It makes all the busy days, the lack of sleep, and hard work I put in throughout my degree all worth it.”

Each year the College of Kinesiology selects one student who stands out among their peers to earn the most outstanding graduate honour. The successful student must demonstrate leadership and participation within the college, on campus, and in their community, with academic performance also taken into consideration. Kosokowsky’s work inside and outside of the classroom made her a strong choice for this year’s award.

Kosokowsky, who is from the small community of Saint Brieux, Sask., has been involved with the college, the USask campus, and in the Saskatoon community throughout her collegiate years. She has been active with Physical Activity for Active Living (PAAL), Children’s Activity Camps, MEND (Mind, Exercise, Nutrition, Do it!), and the CHAMPS (Children’s Healthy Heart Camp in Saskatchewan) programs.

In spring of 2018, Kosokowsky also participated in the One Health Experience in Uganda, which is a unique opportunity that allows students at USask to explore the health sciences field, and she has also volunteered with the 5 Days for the Homeless campaign in Saskatoon.

“After my third year, I travelled to Uganda with other students through a USask and Queen Elizabeth Scholarship. We spent three months volunteering in health-care centres and it was a great way to immerse myself in African culture and learn about health-care delivery there,” said Kosokowsky. Although these last four years have been her busiest and have flown by, her desire to get involved and give back didn’t stop on campus. Kosokowsky coached high school basketball at Tommy Douglas Collegiate and also volunteered at the Ronald McDonald House for sick children receiving medical treatment in Saskatoon.

She said some of the most influential people in her life have been previous coaches from the community, and having the opportunity to give back to other student-athletes was an easy choice.

“It’s hard to imagine where I would be without those coaches who made such a big impact on my life, which is one of the reasons why I decided to coach the Tommy Douglas Collegiate Grade 10 boys’ basketball team,” said Kosokowsky. “This was my favourite volunteering experience throughout my degree.”

Community involvement has always been an important part of each day for Kosokowsky, and her message to first-year students is simple: “Get involved! My first week of university I was lucky enough to get involved with a volunteer opportunity and I never looked back,” she said. “The earlier you get involved, the more opportunities will be available to you and this will open so many doors. You will be busy, but it’s all worth it in the end.”

The future for Kosokowsky looks bright as she has been accepted into medicine for the fall semester and hopes to start a career as a surgeon one day, while continuing to graciously volunteer with the programs she dedicates her time to.

Alyssa Wiebe is a communications specialist in University Relations.

University addressing survey suggestions

FROM PAGE 2

in terms of sharing ideas, supporting one another across teams, and collaborating. Ultimately, we all own these results and need to contribute to celebrating strengths and making positive changes.”

Taoubi works closely with senior leaders across campus to break down the results and pinpoint specific areas to improve.

“President (Peter) Stoicheff and the President’s Executive Committee have reviewed the institutional level results and have shared their desire that leaders across campus value the importance of the information the survey provides,” added Taoubi.

Taoubi highlighted that a number of university initiatives have utilized the outcomes of previous employee engagement surveys to help inform and identify priority areas of focus and align activity to support employees.

“One example would be the creation of our new performance management framework, Career Engagement, which is being implemented across campus to Exempt, ASPA and CUPE 1975 staff,” she said. “We’re also in the midst of updating our employee onboarding processes to ensure our people have the right training and resources to do their work well.”

The complete university-wide results are now available at www.working.usask.ca, while individual college, school, unit, and department-level reports are provided to leaders to share with members of their team.

Jody Gress is a communications specialist in University Relations.
USask project engages and educates schoolchildren about risks of cannabis use

A team of students and faculty from the University of Saskatchewan (USask) are working to help children and teenagers in Saskatoon make smart choices about cannabis.

Through their work as part of the Cannabinoid Research Initiative of Saskatchewan (CRIS), Drs. Holly and Kerry Mansell (PharmD) from the College of Pharmacy and Nutrition recognized a gap in cannabis education for youth. They approached their colleagues Tish King and Jenn Klemmer from the College of Nursing to fill the gap by leveraging partnerships with four schools in the Saskatoon Public School Division and Saskatoon Greater Catholic School Division.

The Safe School Health Improvement Project (Safe SHIP) and School Health Initiative with Nursing Education (SHINE) programs are community-based partnerships between the College of Nursing and two elementary schools and two high schools in Saskatoon. These programs bring USask nursing students into the school environment to fulfill clinical hours for their education program in the area of community partnership, capacity building and community development.

“This unique interprofessional clinical learning experience provided nursing and pharmacy students the opportunity to collaborate with community members and explore their professional roles in supporting positive health behaviour of youth,” said King.

A dozen nursing students and a pharmacy student, along with the faculty advisors, have been working on developing cannabis education toolkits for teachers and parents. The REACH (Real Education About Cannabis and Health) program consists of educational videos and materials about cannabis use. One module is geared for a middle-school audience, while the other is aimed at high school students.

Starting in January 2019, the team began exploring individual values and beliefs through youth engagement activities in the classroom, and creating open dialogue about the science and risks of cannabis and coping with peer pressure. Ultimately, the team wants students to have the knowledge and confidence to make healthy decisions and choices.

By involving youth in all aspects of the development process, the team hoped to create educational materials that are engaging, informative and relatable.

“The experience of working together to meet the needs of any vulnerable population requires students to understand and develop competency in professional communication, role clarity, conflict resolution, family and patient-centred care, collaborative transparent leadership and team functioning,” continued King.

The program consists of four modules, each which takes approximately 40 minutes of class time. Students are guided through important topics using the teach back strategy, a method shown to be effective in improving comprehension and influencing behaviour.

“The opportunity for faculty and students from pharmacy and nursing to work together with students and teachers from four different schools has been a great example of multidisciplinary collaboration,” said Holly Mansell. “The students have both contributed and learned so much from this project.”

Stakeholders, including students, teachers and parents, representatives from the Ministry of Education and Lung Association of Saskatchewan, are being consulted to review the programs and final revisions will be made before the toolkits are distributed and implemented. A formal assessment of the program will also be undertaken next year with the help of a master’s student.

The project is funded by the Cannabinoid Research Initiative of Saskatchewan, an interdisciplinary research team at USask that aims to obtain scientific evidence about the application of cannabinoids and cannabis derivatives to humans and animals for health, disease and disorders. The resources will be disseminated with support from the Saskatchewan Health Research Foundation.

Kieran Kobitz is the communications and Alumni Relations specialist in the College of Pharmacy and Nutrition.
With the Thorvaldson Building (then known as the Chemistry Building) in the background, the Royal Couple toured the campus of the University of Saskatchewan on June 3, 1939 with a police motorcycle escort, greeted by a thousand boy scouts (on the right) and girl guides (left).

Eighty years ago, the University of Saskatchewan hosted a royal tour of the campus.

On June 3, 1939, just a few months before the start of the Second World War, King George VI and Queen Elizabeth stopped in Saskatoon on a sunny Saturday afternoon during a month-long tour of Canada from May 17 to June 15. Greeted by an estimated 100,000 onlookers across the city, the Royal Couple’s Saskatoon stop featured a short visit to the university campus.

The monarchs entered the university grounds through the historic Memorial Gates—flanked by university members of the Canadian Officers Training Corps—and toured the campus via motorcade, greeted by thousands of Boy Scouts and Girl Guides who lined the tour route, along with university faculty, staff and students.

In an advance story describing the visit, the Saskatoon StarPhoenix reported that “the King and Queen will visit the University of Saskatchewan, which in nearly 30 years has grown from raw prairie to a beauty spot. Around the campus they will be cheered by more than 10,000 Saskatoon school children and will receive a formal address from J.S. Thomson, president of the university.”

The StarPhoenix coverage of the royal tour the next day waived the proverbial flag in adulation of the monarchs and the British Empire.

“It was a day that will never be forgotten in northern Saskatchewan. Never were the skies more blue. Never did the sun shine so happily. Never was there such a gathering. And never did this part of the province entertain such distinguished guests.”

Three months after the royal tour, Canada joined Britain, France, Australia and New Zealand among the countries that declared war on Germany after its September invasion of Poland. A total of 2,500 University of Saskatchewan students, faculty and staff would go on to serve in the Second World War, with 202 killed in action.