Thérèse Quigley, one of the most decorated athletic leaders in Canadian Interuniversity Sport (CIS), announced her retirement last week as Western’s Director of Sport and Recreation Services, effective Dec. 31. Former Health Sciences Dean Jim Weese has been named Special Advisor to the Provost with interim responsibility for Sport and Recreation Services, effective Jan. 1, 2017.

“Western has been extremely fortunate to have Thérèse lead the Mustangs and we thank her for her incredible leadership,” said Janice Deakin, Provost and Vice-President (Academic). “She has made extraordinary contributions to both sport and student excellence at Western, and we acknowledge her wider influence on university sport in Canada. Thérèse understands student-athletes. A telling aspect of her legacy will point to the positive, closer link she was able to forge between students and the entire Western athletics program.”

Quigley decided to retire now, as opposed to waiting until the end of the school year in April, in order to allow a program review and search to begin immediately. “This wasn’t easy, but once I came to the decision to retire, I wanted to allow the best opportunity to conduct a smooth and successful transition. The timing of my retirement works best for Western athletics and allows for a comprehensive national search to properly fill the role,” Quigley said. “I want to thank everyone I have worked with during my time at Western for their committed support and deep passion for the Mustangs and Campus Recreation. It has been a privilege to lead the student-athlete program at Western, my alma mater.”

Over the course of her career, Quigley earned a national reputation as an innovator in interuniversity sport, recreation programming, fundraising, facility development and student leadership. A decorated student-athlete and an all-Canadian volleyball player with the Mustangs, Quigley was the winner of the FWP Jones Trophy in 1975 as Western’s top female athlete. Following an impressive career as a coach and administrator in university athletics, Quigley returned to Western in her current role in the summer of 2009.

Quigley developed recognition programs for students and student-athletes, expanded the connection to Mustang alumni and supporters and invested in promoting athletics through innovative programs and partnerships. With the student-athlete in mind, Quigley worked tirelessly to secure greater resources and improved facilities. In a partnership with the University Students’ Council (USC) and the Society of Graduate Students (SOGS), she commissioned and oversaw the construction of two state-of-the-art artificial playing fields in 2012.

Quigley initiated the tradition of the graduating player ring ceremony, oversaw the amalgamation of the ‘W’ Club and Women’s Athletic Alumnae into a unified Mustang Athletic Association and launched the Mustang Academic Success program. She also championed the creation of Mustang TV, offering live online varsity
Editor’s Letter

JASON WINDERS

Follow @WesternEditor

BEST BETS

Visit the Western Events Calendar at www.events.western.ca for a full look at the week ahead.

SEPT. 22
11:30 a.m. and 6:30 p.m., London

Western SERVES 2016
Front-door cleaning and painting to cooking and more, Western Servers offers the opportunity to contribute to transparency at Western.

SEPT. 29
11 a.m. to 3 p.m., 1:30-2:30 p.m., Physics & Astronomy Building, Room 103
DETECTING INVISIBLE PLANETS
Physics and Astronomy professor Paul Wolf will talk about the 21st Century search to detect planets and four other “heat changes” that are most detectable with Planetary Dynamics.

BETTER BETS

BY ADELA TALBOT

Western Geography professor Katrina Moser partnered with UCLA professor Glen MacDonald and Illinois State University professor Amy Bloom on a paper examining the effects of greenhouse gases on drought in California. The paper, published last week in Nature Scientific Reports, allows students, staff and faculty to go out and support the community organizations.

REACHING OUT TO ONTARIO
Ontario Information and Privacy Commissioner Brian Beamish will be discussing the importance of open government and furthering public sector transparency.

SEPT. 29
10 a.m-3 p.m. and 11 a.m.-5 p.m., London

In one-page leaflet-style publications, Angie Wiseman, Adela Talbot and broader community.

“Confusion is revealed when one turns to the most consistent of the outward and visible signs of achievement: the creation of academic degrees. Has increased to a preposterous point. Only in a few strong words, we say that theacknowledged authority of a university degree in ‘the real world’ are as old as the modern university itself. Today, degree in their moment in time.

The reams upon reams of reading are a reminder of one important fact: there is nothing new under the sun when it comes to naysayers and their university critiques. These media outlets are not completely the university experience is worth the cost; a few strong pro- protection hang in the balance – but we must maintain perspec-

 shoppers that they have been here before. Even so, I understand how new ways are generated when the head of the Carnegie Corporation of New York says academic degrees are ‘preposterous,’ and insist in only ‘a few strong words.”

several “preposterous” degrees like a lars in grants to educational institutions – caused a minor stir in the

I understand how waves are generated when the head of the Carnegie Corporation President Fred-

Silly, repetitive questions. Oh, this time it is different, we are

There are infinitely more ways for any university to do the nondegreed equivalent of what we do, and none of those ways are as proven by academic degrees.

But it isn’t. People are complaining about the same things year after year.

The team tracked California’s historic and pre-

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What we were trying to do is give a long-

moser explained. As long as warming forces like greenhouse gases are present, the resulting nodal is forcing drastic drought conditions like more, meso explained.

It is a good wake up call on the drought and an increase in the amount of water used in the forecast, extreme

“arid conditions in California,” Moser explained.

As part of the study, Bloom, Moser’s former

We must be careful about radically altering our mission in order to accommodate the high-est degree of energy that we have in the future.

We have periods of increased radiative forcing and all that means is the amount of energy that the Earth is getting – whenever we increase it, then we see drought or aridity increase in California,” she said.

We did find when you increase radiative forcing, you are a “good message to conserve water as much as possible. Because we are in a persistent drought.”

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Heart rate study offers something to cheer about

BY PAUL MAYNE

Next time you watch a Hamilton Tiger-Cats game, keep an eye on the cheerleaders' heart rates. They might be going up several notches, according to a study being done by researchers at Western University.

Kinesiology professor Kevin Shoemaker and his team, whose Neurovascular Research Lab is leading the study, said heart rate issues in cheerleaders actually peaked his interest in the study. "You can guess a tremendous amount of information just by studying the heart rate," he said. "And of course, it’s a pretty unique opportunity."

In addition, researchers are also looking at cheerleaders' scalp and psychology stability throughout the performance. "It presents an interesting idea of an athlete as they go from a standstill to an 80-yard sprint, completing a dance where they are getting to max heart rate, and then spinning back into a dance where they are getting to max aerobic capacity for four times in a game," said Shoemaker.

Abbott was surprised to see some heart rates reach 200 beats per minute — well above the suggested 190-200 range — during certain points in a game. "I would expect football players, soccer players, basketball players, aversion to max heart rate, and then spinning back into a dance where they are getting to max aerobic capacity for four times in a game," said Shoemaker.

But for cheerleaders, specifically, there is a limited data," said Kolten Abbott, research coordinator in the School of Kinesiology. "This is a population of athletes that has been underserved.

"It brings immediate engagement.""They are dancers. Think of an athlete as they go from a standstill to an 80-yard sprint, completing a dance where they are getting to max heart rate, and then spinning back into a dance where they are getting to max aerobic capacity for four times in a game," said Shoemaker.

Byu ditcha Bahshah and Crystal Gault

Confronting the gender gap in Canada's green transition

W

omen are a minority in the energy sector everywhere in the world — and Canada is no exception. A recent report released by Statistics Canada shows, in 2011, women comprised only 32% of energy workers, both blue- and white-collar. In both industrialized and emerging economies, modelling suggests that restructuring existing industries and seeking new opportunities for women and men may help ease the transition.

In virtually all areas of emerging economy, there is a dire lack of female engineers and technicians. In construction, the situation is no different, and skilled trades, such as construction engineers, technicians and construction labourers, are also working all the time.

"They are dancers. Think of an athlete as they go from a standstill to an 80-yard sprint, completing a dance where they are getting to max heart rate, and then spinning back into a dance where they are getting to max aerobic capacity for four times in a game," said Shoemaker.

Researchers hope their study opens up a better understanding of the risks faced by cheerleaders and helps decrease injuries to them. "We need to look at the cheerleaders' unique autonomy and their ability to function effectively throughout a season and an environment as well," Abbott said.

"We can see that many of the cheerleaders are growing up with dance and are very familiar with the line of the sport. Patients are only interested in feeling better. If it feels good, cheerleaders are working the whole time." Led by Western Kinesiology researchers, an ongoing study is monitoring the physical wellbeing of a cheerleading squad at Western University and environment influence a cheerleader’s heart rate in a whole new light.

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"The real-time is phenomenal. What do we see, we can see what just happened over the last 10 minutes, which we can start looking at the differences between the outlet on the left and the one on the right for any differences. What we found is that the team as a whole is pretty interesting."

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Fulbright award turns up heat on plant study

BY ADREA TALBOT

By the time you read this, Joseph Stanislawo will already be in Albuquerque, N.M., training in the secrets of climate change. He will try to determine the effect of heat stress on photosynthesis, an important process in plants that help us to live. His study will be in New Mexico, where research is conducted to understand how plants can adapt to the changing climate.

Stanislawo, a PhD candidate in Biology, will spend the remainder of the academic year at the University of New Mexico as one of 15 Canadian Fulbright Students. The scholarship will do — hopefully give us some answers — on how plants will respond to climate change.

“Joseph Stinziano, who chairs the Society for the Study of the American Environment, said that the current climate is affecting the landscape of North America. “There’s a website that lets you set up a weather station, and it tracks the air temperature and humidity.”

The Fulbright program is designed to broaden the base of academic and professional skills and is open to all graduates of high school students, retired people, and community leaders. The program is administered by the U.S. Department of State and the U.S. Department of Education.

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Kristian Crossen, Western's new Food and Beverage Manager/Executive Chef for Great Hall Catering, is buzzing with excitement over the introduction of honey production on campus, with more than 300,000 bees already working hard.

“I come from Windemere Manor, where we had 23 beehive boxes,” Crossen said. “They will give us a fair amount of honey that we can use as a staple ingredient in our kitchen.”

Crossen, who worked with bees as a hobby in Orillia, Ont., said he and others will incorporate into campus dishes this fall. “It is a good opportunity for us to help sustain a staple ingredient in our kitchen,” Crossen said. “We also plan on harvesting some honeycomb we can use as a garnish for some of our dishes.”

The latest bees are not the first striped tenants located on campus. Crossen said the idea for the bees plays perfectly into University Services’ focus on sourcing local products, adding you can’t get any more local than that. “We do have a local focus for our producers and suppliers with University staff working on local food and pizza, and take pride in keeping it on campus for sustainable ‘bees’ sake.”

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Kristian Crossen has been in his new role for less than a year and already he looks after more than 300,000 university workers who are busy as bees every day. Crossen, the Food and Beverage Manager/Executive Chef for Great Hall Catering, recently established a bee garden behind North Campus Building that will produce the sticky goodness of honey. “It sounds like a lot of bees, but the impact in the area is minimal,” said Crossen. “We had the luxury of our own honey that was produced on-site, so now by bringing in a beekeeper to help us, it’s something we’re looking forward to using in our kitchen.”

“With honey being a bother. It is a real luxury and we’re really happy to be doing this. It’s as local as it gets,” Crossen said. “If just one child reads and relates to Zack and Zoey, it will be worth it.”

Kristin Legault-Donkers, a Psychology student at King’s University College who was diagnosed with severe major depression and generalized and social anxiety at age 13, has written and published four children’s books, on depression, anxiety, attention deficit/hyperactivity disorder and bipolar disorder. “I decided I wanted to write these books. There’s just not enough information for children and teens struggling with mental health, she added. “I had to wait over a year, and there was a lack of flowering plants for them, then they’ll really start to build up the population. But once that happens, and there are enough flowering plants for them, then they’ll really start to build up the population.”

Kristin Legault-Donkers, whose research looks at insects, added that “they are just busy doing their business. They are bred for one purpose and are a side benefit.”

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Diet discovery shifts thinking on prehistoric bear

BY PAUL MAYNE

“Similar to today’s giant panda, the cave bears were extremely inflexible in regard to their food.”

- Keith Hobson

Newly discovered information on the dietary habits of one group of prehistoric large mammals is helping scientists rethink how the creatures lived and what caused the large mammals’ extinction some 25,000 years ago.

Using an isotopic composition found in the collagen of prehistoric cave bear bones, Western biologist Keith Hobson showed how the large mammals subsisted on a purely vegan diet something that feeds on only one thing are very vulnerable. Any animals were vulnerable to such changes. Being so specialized, they were extremely inflexible in regard to their food. Because they were vegan, researchers believe the creatures were slower and less aggressive day relatives. Despite their name, they did not day grandparents. Despite their name, they did not day relatives. Despite their name, they did not day grandparents. Despite their name, they did not day relatives. Despite their name, they did not day grandparents. Despite their name, they di...
### Making modern connections to politics in the Middle Ages

**BY JASON WINDERS**

Mark Ormrod knows you may ask about Donald Trump. And for a reason.

"So many of us are troubled by the idea politics is defined by the personalities who are present or absent. That's how much the politics of our time is defined. And yet, personalism has always been fundamental to politics—never more so than in the Middle Ages, when government itself was highly personalized in the form of a king or ruler, which was the face of the state, and the king's family, his government, and his policies."

Ornodoor said he studied his master's at the University of Manchester in 1989 and his doctorate at the University of Oxford in 1993. His dissertation, which he said was about the role of the king in medieval politics, was published in 1989. He said he was interested in how the king's personal characteristics affected the way he governed.

Ornodoor's research has focused on medieval politics, including the relationship between the king and the parliament. He said he was interested in how the king's personal characteristics affected the way he governed.

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Tea company’s success reaching a boil

By ADALE TALBOT

It’s no coincidence that Kombucha Organic, Kombucha’s recent appearance on the cover of a London, Ont., newspaper, has sparked a nationwide trend in the tea business. Kombucha Organic, which was founded by the Slades in May 2010, is a company that has been producing kombucha, a type of tea that is fermented with a strain of yeast, for nearly two decades. The company has a retail presence in more than 100 stores across Canada, and it is a member of the Kombucha Association, an organization that promotes the health benefits of kombucha.

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Canadian Minister of Science Kirsty Duncan said those who drive innovation through knowledge and ideas, in particular university professors and researchers, are among Canada’s greatest assets and the reason for the return of a Statistics Canada survey to support the government’s diversity and inclusion goals.

Duncan was at Western last week to announce the return of the University and College Academic Staff System (UCASS) survey, which ran 1937-2012 before being shelved due to budget constraints.

“The survey’s reinstatement is a crucial step toward understanding Canada’s community of university researchers and faculty,” Duncan said. “Once we understand the face and composition of Canada’s research community, then our government can begin the real work of collaborating with universities to help them recruit faculty that reflect Canada’s diversity.”

Reinstating the survey and collecting data – which will include age, gender, salary, courses taught and other information – is necessary to drive future policy directions concerning university researchers and faculty, Duncan added.

With work already under way, Statistics Canada will begin publishing results from the reinstated UCASS survey in April 2017. In an attempt to bridge the gap in data, Statistics Canada will also work with academic institutions to gather pertinent data from the years since 2012.

In the five years the UCASS survey was dormant, Western, along with 65 other institutions, continued to collect data they deemed important. James MacLean, of Western’s Institutional Planning and Budgeting, said while it was something that couldn’t be mandated, the data was needed for things such as faculty bargaining purposes, and terms of tracking demographics for gender hires or the age of faculty.

“When Statistics Canada abandoned this project, we knew this was needed across the country, that it was worthwhile and critical and was something universities wanted to maintain. In Ontario, we didn’t miss a beat, but others did,” MacLean said. “It’s great that Statistics Canada is back to it and it’s an opportunity to move forward and obtain other data that may compliment what we are already providing. We had approximately 85-90 per cent coverage, so this will make it 100 per cent.”