UWOSA membership backs new deal with university

Research team calls for end of IED use in warfare

BY ADELA TALBOT

A new collective agreement between Western and the University of Western Ontario Staff Association (UWOSA) moved one step closer to being finalized after the bargaining unit’s membership approved the deal last week, university and union officials announced.

UWOSA is an independent union representing approximately 860 administrative and technical staff whose roles are diverse and spread across the campus community. Last week, UWOSA members voted in favour of the tentative deal reached Aug. 4. UWOSA had been without a contract since June 30.

“On behalf of the negotiations team, we once again thank the membership for their overwhelming support during negotiations and towards the ratification of this agreement,” said Meg Perinpanayagam, UWOSA Acting President and part of the negotiations team.

“Western very much appreciates the outstanding work the negotiating team and executive did to reach this mutually beneficial agreement,” added Jane O’Brien, Western’s Associate Vice-President (Human Resources).

Earlier last month, PSAC Local 610, which represents Western’s teaching assistants and postdoctoral scholars, held three meetings for the ratification of a newly proposed tentative agreement affecting the university’s recently unionized postdocs. After the third session and in the presence of three postdocs as scrutineers, local CRO, and PSAC regional staff, the agreement was ratified.

UWOSA and Postdoctoral Associates tentative agreements must now be approved by Western’s Board of Governors, which is scheduled to meet next on Sept. 26. Details of the agreements will be released at that point.

U.S. NAVY PHOTO BY MASS COMMUNICATION SPECIALIST 1ST CLASS PETER D. LAWLOR // SPECIAL TO WESTERN NEWS
An award-winning weekly newspaper, Western News, serves as a student voice and information outlet, supporting a culture of inquiry and expression on campus. The publication serves students, faculty, staff and alumni, providing a platform for diverse voices and perspectives. The newspaper is published on a bi-weekly basis throughout the school year.

Western News was founded in 1965 to serve the needs of students at Western University in London, ON. It has been published continuously since then, and its primary focus has been on providing a forum for student expression and critical engagement with university affairs.

The newspaper is managed by a student editorial board and is supported by the university's Office of the Vice-President (Student Affairs), the Office of the Dean of Arts and the Office of the Vice-President (Academic Affairs and Research). Western News is a member of the National Association of Student Publications (NASP) and is a founding member of the Associated College Press (ACP).

Western News publishes a variety of content, including news, features, opinion pieces, and columns. It also includes sections such as the Arts & Entertainment, Sports, and Life columns. The newspaper is distributed to students, faculty, staff, and alumni through digital and print formats.

Through its coverage of campus events, student issues, and academic achievements, Western News strives to strengthen the connection between the university community and its alumni, while also engaging with the broader public. The newspaper is committed to providing a platform for diverse voices and perspectives, and to fostering a culture of critical thinking and engaged citizenship among its readers.
Mandawe named city’s first Artist in Residence

**BY DEBORA VAN BREK**

Erik Mandawe, like the music he creates, is in search of standards. The studied multiple disciplines, graduated with a music degree from the School of Music and Dentistry, en route to a career in medicine.

And now, Mandawe, B.A. ’17 (Music), has been named by the London Arts Council (LAC) as its first Artist in Residence. ‘I identify most as a musician – but I also identify as a filmmaker and novelist,’ Mandawe said. ‘With my art, I explore time and identity and space.’

Pennington said the Arts Council had been wrestling with the idea of commissioning a full year funded position. ‘We felt very strongly the right thing to do was to find an independent artist’s jury to look at applications and recommended Mandawe for the one-year position. ‘I’m a youth geneticist. We use yeast as a model organism to study the basic cellular processes that are involved in human diseases,’ said the Anatomy and Cell Biology professor. ‘This is an inherited disease that results in death of brain cells. In Europe, we’ve identified a handful of genes that cause Huntington’s disease that result in degeneration of the brain. ‘If you want to have any meaningful data for aging in a mouse, it will require you to delay aging, too, and our model allows for a model with a completely different genotype and yields meaningful results.’

Mandawe grew up in Toronto, with stops in Texas and California. London is a world where he works and studies today. But Beaver Lake – in Northern Alberta, between Edmonton and Fort McMurray – is an ever-shifting landscape. He studied medical anthropology and graduated in 2010, going to work in rural Indigenous communities. ‘He switched his specialty to medical anthropology because there’s so much he doesn’t know, and he has such a huge range of interests,’ she said. ‘That’s why he’s not a stick-in-a-rut kind of person.’

Mandawe is a great fit as the city’s first artist in residence, said Rachel Pennington, B.A. ’13 (History), the city’s Poet Laureate Tom Cull on the city’s Culture Days. ‘He has such a big range of interests, and he’s aware of both the push and pull that community arts might face. ‘We will always put our heart before our mind,’ said Mandawe, who has always been first with trying to discover the world around him. The studied anthropology at the University of Toronto, where images of Indiana Jones-like escapades danced in his head. ‘I will always put my heart before my mind,’ he said. ‘I will always be first with trying to discover the world around him.’

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Four scholars named among nation’s elite

Four Western researchers have been named Canada Research Chairs (CRCs), a program which recognizes the country’s best scholars across disciplines. Two additional researchers also had their existing Chairs renewed for an additional five years, while another saw a renewal of seven additional years. This now brings Western’s total number of CRCs to 52.

The Chairs program has been designed to encourage and promote top research and innovation in universities. Tier 1 Chairs are awarded $100,000 annually for five years to outstanding researchers who have developed reputations as world leaders in their fields. Tier 2 Chairholders are awarded $75,000 annually for five years to further develop promising researchers.

Tier 2 Chairholders are awarded $100,000 annually for five years and are recognized as exceptional and emerging researchers with the potential to lead their respective fields. This year’s new CRCs include:

**LISA SAKSIDA**
Physiology & Pharmacology, Psychology
Canada Research Chair in Translational Cognitive Neuroscience (Tier 1)
Neurodegenerative and neuropsychiatric disorders cost Canadians over $35 billion annually, due largely to millions of patients and caregivers. tragic.

**MIKKO KARTTUNEN**
Biomaterials Science (Tier 1)
Karttunen’s research aims to pave the way toward rational, reliable, and cost-effective design of bio-inspired materials and to demonstrate their potential for drug delivery and as drug delivery mechanisms.

**CLARE ROBINSON**
Civil and Environmental Engineering
Canada Research Chair in Water Quality (Tier 2)
Robinson will combine innovative field and laboratory studies with modeling and complex computer simulations to help create and implement innovative strategies for improving coastal water quality.

**HAOJIE MAO**
Medical Engineering
Canada Research Chair in Head Mechanisms (Tier 2)
Mao, coming to Western from the U.S. Army Medical Research and Materiel Command in Fort Detrick, Md., will investigate brain injuries due to trauma. He will investigate cellular, vascular, axonal, and network responses of the brain at a higher resolution than before.

**GET INVOLVED!!**
EMAIL US YOUR IDEAS & DESIGNS!
If your design makes it to our shelves, we’ll give you one for bragging rights! Your ideas will also be featured on our social media pages and at westernnews.ca.

**SEE OUR ADS & COUPONS**
in Westerner & Western Student Guide.

Dr. Larry Green presents Will people have a personal physician anymore?

**WEDNESDAY, SEPTEMBER 20 | 1:00 - 4:00 PM**
Western Centre for Public Health and Family Medicine, Room 1150
Register online: www.schueller.uwo.ca/familymedicine

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Sleep study to put misconceptions to rest

BY DEBORAH VAN BREMEN

A night clerk at Huron University College for nearly 15 years, Don Agnew became accustomed to sleeping whenever he could. Now that he’s retired, right sleep is still elusive, and now he usually gets random chunks of shut-eye: a few hours one night, maybe eight the next. In his youth, he would catch up on a nap during the day. ‘With a little time, I can function better at night,’ he said. ‘It’s all about time.’

The amount of time we spend sleeping is among the first to be tested by Western University’s new Center for Sleep and Mind Research. Owen said the center, which will open in January 2018, will be one of the largest sleep research projects, potentially involving 100,000 participants from around the world. Launched this summer, the study is being conducted in partnership between Western and Cambridge Brain Sciences at Cambridge University in the United Kingdom.

Researchers are scouring the globe looking for participants for a three-night stay put program, planning to enrol 200 participants over 18 months to test different types of thinking and cognitive tasks.

The centre is co-directed by Dr. Adam Owen, a professor in the Department of Psychology and the Centre for Horticultural Science at Western, and Dr. George Preti, a professor in the Department of Biological Sciences at Western. The center will be one of the first of its kind in Canada to involve the public in scientific research and will also provide the first unprecedented opportunity to involve the public in scientific research that can draw out gold-level data.

Dr. Preti said the study aims to create a ‘wake-up call’ for Western researchers.

‘Who’s quarterbacking the management of your retirement assets?’

A crucible for creativity, the field of sleep science has driven critical discoveries in the areas of sleep, brain function and injury prevention. As part of a news story that aired on BBC, Walsh performed a sleep study involving, potentially, 100,000 participants from around the world. The first test I did was the best ever had before. And what we learned can help these individuals to change the way millions of people go about their daily activities.

‘Once we find out what people can actually do when they have their little sleep, then we can figure out what sleep is for.’

The study is led by Dr. Adam Owen, one of the world’s foremost neuroscientists and head of the Olsen Lab at the Brain and Mind Institute at Western University.

The study will be conducted entirely online in ‘sleep labs’ created through Cambridge Brain Sciences. The study will involve different types of thinking.

Study participants will track their sleep over a three-day period and log videos; and

Researchers are crowd-sourcing a huge online study to correlate our sleep patterns with our cognitive, spatial and decision-making abilities.

SLEEP STUDY GIVES BBC REPORTER A ‘WAKEUP CALL’

Award-winning BBC medical reporter Fergus Walsh has been one of the closest watchers among media of Western neuroscientist Adam Owen, the world-renowned neuroscientist who was the first to identify the brain’s role in sleep deprivation and have shared with study participants

Walsh was the first broadcast to report, in a new, long-form documentary, Owen’s ground-breaking study, which has been made into a mini-documentary piece, Owen’s study is the first to explore the relationship between sleep and cognition.

His scores in the cognitive tests were far worse after his sleep-deprived night than before. ‘It confirms what I knew already that I need seven to eight hours of sleep every night. ’

Stressful Life is Waiting

Intellectuals who don’t sleep enough are left with fewer ideas to test, Oaks says. So what can we learn from his study?

One thing is that sleep is important for our overall health. "Sleep is crucial to good health; it is the time our brain has to rest, to repair, to consolidate memories and to prepare us for the next day. "

A 24-hour sleep deprivation study in a medical setting also revealed that sleep is important for our overall health. "Sleep is the time our brain has to rest, to repair, to consolidate memories and to prepare us for the next day."
At one point in history, a soldier in combat would have been injured with a bow and arrow. That bow and arrow eventually became a bullet and, in the 1890s, that bullet evolved into the ‘dum-dum bullet,’ designed to expand on impact and inflict severe injury. Because of its potential to gravely wound combatants, The Hague Convention of 1899 prohibited the use of the dum-dum bullet in international warfare.

A century later, landmines, designed to maim and injure, rather than kill, were deemed indiscriminate weapons with potential to inflict serious injury. After a high-profile campaign waged by a coalition of non-governmental organisations, 162 countries signed the 1997 Ottawa Treaty pledging to stop their production and use.

“More than 100 years ago, people said it was not right to try and injure combatants to the extent of using dum-dum bullets. And today, we are accepting, every day, these dreadful IED injuries.”

- Vivian McAlister
Schulich School of Medicine & Dentistry Surgery professor

‘Outlook is appalling’
Research team calls for end of IED use in warfare

By Adela Talbot

‘Outlook is appalling’ continued on page 12
Today, a far more dangerous scenario is becoming the hallmark of today’s warfare. A new type of weapon needs to join the ranks of prohibited weapons under international law: the improvised explosive device (IED). The explosion, as portrayed as primitive and crude modern warfare. While they are often无效 early in the 20th century, people said it was not right HEEDS. But in the end, I think this is why McAlister added. “This is appalling. It’s not accept- able. And society needs to join the ranks of prohibited weapons.”

Vivian McAlister. The group’s study, “The injuries documented by McAli- ster and his colleagues are “superflu- ous,” he said. “What we found is the worst set of injuries sustained by soldiers on our battlefield.”

indeed said the medical criteria for war crimes and harm, he noted. And a subtlety about this, the fact such injuries meet the medical criteria for war crimes in international law. While such is combat, the injuries documented by McAlister and his colleagues are “superflu- ous,” he said. “What we found is the worst set of injuries sustained by soldiers on our battlefield.”

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BY PAUL MARINE

M ichael Wagenman wanted to offer students an “alternative” to Alternative Spring Break programing with a trip to Bristol, U.K., where students will explore the role of Christianity in sustainable cities, urban development and cultural renewal. He hopes this trip will inspire others centered on other faiths.

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ANDREW BILLER / WESTERN NEWS

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"Bristol's history of Bristol is a green city, but they also draw media- city. We'll be looking at it from a medieval perspective to the present, walk through the history and see the buildings that have been historically in making Bristol a city that is robust in its community nature and its sustainabil- ity,” said Wagenman, who earned his MDiv at the United Nations of Bristol, where he served as a chaplain with the U.S. military.

Wagenman continued. “This is how Bristol changed their thinking around that! Their religious history is intertwined with the political history. We want each student to include the religious element, especially with the deep history of Bristol.”

Also as part of the trip, students will also spend one of their days working with the university’s Centre for Business, Public and Social Impact, which helps students earn a paid position, either with a public or private organization, and learn about the social impact of their work.

GIVE THEM A BREAK

For the first time in 10 years, Alternative Spring Break (ASB) program leader and student assistant Chaitanya Dorai, who earned his MDiv at the University of Arizona, will be leading the Western University of Ontario.”

Andrew Biller is a Western University graduate from the class of 2007 who has been a key player in the development of the world’s largest educational exchange program that brings together students, teachers and not-for-profit organizations from around the world.

“GIVE THEM A BREAK” is a Western News initiative that started when a group of students decided to do something different. We thought: what if we could give students a break from the grind of university life and let them see the world in a new way? So, we came up with this idea: let’s give them a break from their usual routine, and let them explore the world in a way that’s different from their own.”

HONORARY DEGREE NOMINATIONS

The Senate Honorary Degrees Committee will meet in November to select candidates for honorary degrees to be awarded at Western’s convocation schedule in Spring 2018. To ensure that consideration is given to as many worthy candidates as possible, the Committee invites the submission of nominations from any member of the university community.

Nominations forms may be downloaded from the following website: www.uwo.ca/university/convocation/honorary degrees. The deadline for the submission of nominations is October 30, 2017, for consideration by the Honorary Degrees Committee.

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I'm afraid, Greg Curnoe was something of a loner in the art world.

The famed London artist, known for his contributions to regional and pop art, was fiercely dedicated to his hometown. He resisted Toronto, yet part of a larger movement. He's been described as a "self-deluding elitist," yet claimed to be a populist. He believed he was an artist on the pages of his book and paint a comprehensive portrait of an individual regarded as one of the boldest figures in Canadian art.

"In the art community, Greg has a kind of halo – as does Jack Chambers – and subversive artists. Curnoe, an avid cyclist whose hand-built Mariposa bicycles featured prominently in his work, was the first to make that possible," he said.

One of the problems with writing about the great London artists – Curnoe and Jack Chambers – is that they have been somewhat overlooked in the field of art history. King explained. Extensive interviews with Curnoe's friends and colleagues helped him paint a picture of the man and his work.

"The (book) brings those two sides together to demonstrate, more than anyone else has done before, how his work functions as forms of autobiography. Curnoe's use of colour is bold and experimental, regardless of the fact he was partially colour-blind. The book showcases full colour images of Curnoe's works, and demonstrates the significance of a dominant theme in Curnoe's output – his personal life and in his art. What's interesting is that he was actually a kind of halo – as does Jack Chambers – and subversive artists. Curnoe, an avid cyclist whose hand-built Mariposa bicycles featured prominently in his work, was the first to make that possible," he said.

"I think, if he had lived, there might have been another flowering which unfortunately didn't occur," King noted.

"Greg could be very aggravating, difficult and self-centred, but on the other hand, he was a kind and generous person," King continued.

The Way It Is, a biography of Greg Curnoe, one of London's – and Canada's – most innovative painters, was released Sept. 7 for the launch of The Way It Is: The Life of Greg Curnoe. The event starts at 7:30 p.m. in the Residence in 1975. The event was funded by Jack Chambers – his wife Sheila helped him meet the watercolour block capitals.

"He went through a down time in 1979. The book takes that, how his work functions as autobiography. Curnoe's use of colour is bold and experimental, regardless of the fact he was partially colour-blind. The book showcases full colour images of Curnoe's works, and demonstrates the significance of a dominant theme in Curnoe's output – his personal life and in his art. What's interesting is that he was actually a kind of halo – as does Jack Chambers – and subversive artists. Curnoe, an avid cyclist whose hand-built Mariposa bicycles featured prominently in his work, was the first to make that possible.

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Western names honorary degree recipients

A microbiology pioneer, a quantum computing entrepreneur and a game-changing community activist are among the line-up of honorary degree recipients when Western hosts its 310th Convocation Oct. 25-27. The ceremonies are scheduled for the following days:

MICHAEL LAZARIDIS, LL.D
10 a.m. Wednesday, Oct. 25
Faculty of Information and Media Studies (All Degrees), Faculty of Science (Graduate Degrees), Schulich School of Medicine & Dentistry (All Degrees)

Michael Lazaridis is a Canadian entrepreneur, investor in quantum computing technology and founder of Research In Motion (RIM), the company that created BlackBerry. Lazaridis is also a co-founder and Chief Strategist of Waterloo Region’s Quantum Valley Investments to provide financial and intellectual capital for the further development and commercialization of liebstocker’s quantum information science. In 1999, he founded Perimeter Institute for Theoretical Physics. Lazaridis was a member of the PayPal Mafia and the co-founder of PayPal. Lazaridis was ranked by Forbes as the 17th wealthiest Canadian at $5.1 billion. He also served as its Vice-President, Academic and President and Vice-Chancellor. In 2002, Lazaridis became the Honorary Director of the BMO Financial Group and a Director of Sentgraf Enterprises Limited, an ATCO company. He also serves as Chair & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief Executive Officer of Canadian Utilities & Chief 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Thus far, there has not been a true diagnostic test for screening,” said study co-author Eric Arts, Chair and professor of the Department of Microbiology and Immunology. “The current diagnostic test used by the Centers for Disease Control and Prevention uses blood tests to look for changes to RNA. The drawback to this method is that it is too late to detect the virus only up to one week after exposure. Siqueira points out because the virus only up to one week after exposure, is quite amazing for our public health approach in controlling Zika transmission. Our paper opened the window of detection to more than 20 days, and this is a crucial because we are identifying the peptides and the peptides that come directly from the virus envelope are more stable and stay longer in the body than RNA.” The study, published online last month in the Journal of Dental Research, examines the detection of the virus between mother and baby. The baby’s normal mutations in the saliva and sequence of the peptides were different for each baby, suggesting that these mutations may play a role in whether or not a baby will develop microcephaly.}

Proteins in saliva offer clues about Zika

Research by Dentistry professor Dr. Walter Siqueira, a dental clinician-scientist at the Schulich School of Medicine & Dentistry, is exploring the use of saliva in detecting a person’s exposure to Zika virus.

“Discovery of Zika virus in saliva, months after exposure, is quite amazing for our understanding of this infection, but also disconcerting for our public health approach in controlling Zika outbreaks.”

By CRISTAL MACKAY

Western researchers are examining proteins and peptides in saliva in an effort to detect a person’s exposure to Zika virus. With 70 countries and territories reporting transmission, there is an increased need for such an effective and fast test for the virus.

By analyzing the saliva of a pregnant mother infected with Zika, and her twin’s – one born with microcephaly and one without – researchers saw a difference in protein levels. This was possible because we are identifying proteins in the saliva that are more stable and stay longer in the body than RNA. The study, published online last month in the Journal of Dental Research, examines the detection of the virus between mother and baby. The baby’s normal mutations in the saliva and sequence of the peptides were different for each baby, suggesting that these mutations may play a role in whether or not a baby will develop microcephaly.
Feds back radical shift in analyzing radiation exposure

BY PAUL MAYNE

Rogan knows time is of the essence minutes on a laptop. “It would need three hours to com- we could automate this – we could Biochemistry professor, who is cross-
is a labour-intensive task,” said the is analyzing radiation exposure

"The question is, if we have some time to allow for real time analysis, because it doesn’t need to be tested, because maybe then we’re not then we’re with the International Atomic Energy, Agency and the U.S. Department of Energy should do the analysis on those cells and then look at the data on the behaviour of those cells and if chromosomes break and move according to any method. It is currently being tested by Health Can-
adians, who is partnering in the project with Canadian Cancer agencies.

Rogan’s software collects and ana-
lyzes multiple digital images of cells and determines if the chromosomes break. “This is innovative work being carried out London North Centre MP Peter Fra-

This is innovative work being carried out by the London North Centre MP Peter Fra-

The C2 Canada Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology and Radiation Biology Research Chair in Radiobiology 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Eclipse viewing converges on UC Hill

More than 5,000 members of the London and Western communities gathered Aug. 21 on University College Hill to observe an historical solar eclipse that saw the moon cover roughly 75 per cent of the sun to eyes of local observers. Western’s Department of Physics and Astronomy and Centre for Planetary Science and Exploration, along with the London Centre of the Royal Astronomical Society of Canada, with support from the London Heritage Council and City of London, hosted the free and informative opportunity to observe the eclipse. The public had the chance to peek at the sun through telescopes with professional filters or through provided safe-viewing eclipse glasses. Western’s Cronyn Observatory likewise offered viewing opportunities.