

im print

p4

PROFS TALK COLOUR

UW Professors of colour talk about their experience teaching at the university. P4



WOMEN'S SOCCER

Sophia Kozmevski and Charlotte Hall are the latest additions to the Warrior's Women's soccer team. P8

ALZHEIMER'S BREAKTHROUGH P7

UW School of Pharmacy professor finds a promising treatment for Alzheimer's disease.

CAMPUS QUESTION P5

How joining clubs has affected students' lives.

FAMILY TREES P6

Grebel's newest exhibit showcases dozens of Mennonite family trees.



All aboard the LRT! It's ready to ride. P2

news

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ION Light Rail ready for lift-off!

Zach Fisherman
Intern Reporter

After five years of construction, the ION Light Rail Transit (LRT) official launch date was confirmed for Jun. 21, 2019.

"There were times I thought this day may not come," Tom Galloway, chair of the planning and works committee said.

The Grand Opening Ceremony will commence at 10:30 a.m., just an hour and a half shy of missing the spring launch promised last November. During the following 11 days the region will allow free transit on the LRT, Mobility Plus, iON buses, and Grand River Transit (GRT) buses.

The train will make travel between Kitchener and Waterloo easier than ever for those who rely on public transit.

"I've never been to Fairview Mall since I don't have a car, so if they have the LRT then I will definitely consider going to [these]," Chen Jin, a UW student said.

Most of the work left consists of fine-tuning the electric and computing systems on

the trains, as well as performing 600 kilometers (or about three days) of testing per train to ensure the vehicles are safe.

"When these vehicles come they still need a lot of attention, a lot of work, a lot of modifications," Galloway said.

The LRT runs between Conestoga and Fairway with stops at the University of Waterloo, Wilfrid Laurier, Kitchener City Hall, and more hot spots around the Waterloo region. Passengers can expect to see a train at each stop every eight minutes during the morning and afternoon rush hour, and every 10-15 minutes for the rest of the day.

According to the Region of Waterloo website, each vehicle has 60 seats and can comfortably hold 200 standing people. To ensure ease of transfer between different transit services without extra cost, the LRT will accept the GRT EasyGo Fare Card as payment for service. The trains take approximately 46 minutes to travel from end to end.

The Waterloo Region plans to continue with phase two of the LRT, extending the railway from its current end at Fairway all the way to the Ainslie Street Terminal in

Cambridge. This extension to the LRT will replace the existing Bus Rapid Transit (BRT) system connecting Kitchener to Cambridge. Plans for phase two have undergone many public consultations in Cambridge due to

concerns of the original plan to run the route through a residential area in Preston, but the Region has recently proposed a new route running parallel to Highway 8 to solve the concerns.



ZACH FISHERMAN

The University of Waterloo ION station is between Davis Centre and Engineering 5.

Police Briefs

Waterloo Regional Police continue to investigate a body found in the river near Grand Avenue South and St. Andrews Street in Cambridge.

On May 25, at around 1:30 a.m., a 32-year-old male was pulled from the river. He was pronounced deceased at the scene. Police say there is no indication of foul play, but the investigation is ongoing.

Police would like to speak with anyone who has information about this incident, particularly a female with brown hair, who was last seen in the area riding a bicycle.

Anyone with information is encouraged to call 519-570-9777 x4449 or Crime Stoppers at 1-800-222-8477.

Waterloo Regional Police are asking for the public's help to locate a man they believe started a fire at the Grant River Hotel. Kevin Robertson, 36, from Cambridge, is wanted by police for the criminal code charge of arson - endanger life. The charge is for a recent fire at the Grand River Hotel in Cambridge on May 10. The fire caused about \$500,000 in damage to the property. Robertson is described as 5'7 and 176 pounds with brown hair.

Anyone with information is asked to call police at 519-570-9777 ext. 2299 or Crime

Stoppers at 1-800-222-8477.



COURTESY WATERLOO REGIONAL POLICE

Kevin Robertson is wanted by the WRP.

Waterloo Regional Police arrested a man after he assaulted a security guard.

Police responded to the Kitchener Market on King Street East in Kitchener, on May 25, at 11:55 a.m., after a report of an assault. A man who was acting aggressively was asked to leave the premise by security. The male assaulted the security guard, before fleeing on foot. Police located him shortly after. The 39-year-old man was ar-

rested and charged with assault and resist arrest.

Waterloo Regional Police arrested a Cambridge man for impaired and dangerous driving after a single vehicle collision. Police responded to Franklin Boulevard in Cambridge on May 24, at 12:25 a.m., after a report of a single motor vehicle collision. The vehicle was traveling south on Franklin Boulevard when it lost control, crossed the center median and struck a pole. Witnesses saw the driver fleeing the vehicle. Officers chased the driver and located him. The 26-year-old male driver was arrested and charged with several offences including impaired operation by alcohol, and dangerous drive. As part of the investigation, police also seized suspected cannabis from the vehicle.

Three males were sent to hospital, one with serious injuries, after a single vehicle collision in Woolwich. Waterloo Regional Police responded to the area of Katherine Street North near Tribe Road in Woolwich Township on Saturday, May 25, at 2:45 p.m. A black Pontiac Grand Prix was travelling North on Katherine Street North. when it lost control, crossed over the center line, struck a hydro pole and

went into the ditch, before landing on its roof in a farm field. There were three males in the vehicle at the time of the incident. The driver, a 24-year-old Kitchener male and one of the passengers, a 21-year-old Kitchener male, suffered minor injuries and were transported to a nearby hospital. The other passenger, a 19-year-old Kitchener male, was transported by air ambulance to a Toronto hospital with serious injuries. The road was closed for several hours while police and emergency crews were on scene.

Anyone who witnessed the incident is encouraged to contact Traffic Services at 519-570-9777 ext. 8791.

A man was pulled from the water in Victoria Park on Saturday and remains in serious condition. Waterloo Regional Police responded to Victoria Park in Kitchener after a report of a male in distress in the water. Police arrived and located a male floating face down in the water on Saturday May 25, at 6:25 p.m. Officers pulled him to shore and performed CPR. The male, a 53-year-old resident of Kitchener, was transported to hospital where he remains in serious condition. The incident is not considered suspicious.

YUVA: building global connections

Harleen Kaur Dhillon
Managing Editor

Poppy Sardar has been a part of Prerana Anti-trafficking, a non-governmental organization (NGO) in Mumbai, since she was seven years old.

Six years later, she has devel-

oped an unbreakable bond with the NGO and the people who work there.

"I want to be a dance and singing teacher in the future," she said. "I'm thinking that when I get older and am working and I get any pay, I'll give half of my income to Prerana."

Sardar is one of the many chil-

dren who visited Canada as part of the YUVA Arts Project, founded by Tamara Menon.

Over the course of two weeks, they participated in events and workshops meant to support their self-confidence and identity-building.

The two-week expedition was conducted with many commu-

nity partners, including Reception House, Healing of the Seven Generations, and MT Space. They brought together Prerana youth with newcomer and Indigenous youth, to provide a valuable learning experience.

"[We want to work on] definitely self-worth, I think, realizing there's other youth across the world who are also dealing with struggles, dealing with issues of displacement," Olivia Maveal, project coordinator for YUVA Arts Project, said. "[We want them] to feel that they're worthy and that they don't have to fall into a lot of those patterns of ending up in the sex trade or things like that. Also, we've been working on identity."

Menon is a third-year Music Therapy student at Wilfrid Laurier University, and was a volunteer with Prerana for many years while she lived in India. Menon said, although her family was initially apprehensive of her work in the Red Light District of Mumbai, they became completely supportive after meeting some of the children in Prerana.

"A lot family and friends were not okay with it... and there have been challenges like for the family as well to accept this work of mine," she said. "But I think, as they got to come and be part of these performances that the youth used to put up, they came and met the kids, they saw their performances, they had conversations

with them, they realized that this was much-needed and then they started supporting me."

Vaishali Karande, an outreach coordinator for Prerana, accompanied the children from India to Canada. Karande enjoys working with children, and urges people to understand that they are no different from children born and raised in "nicer" areas of cities.

"People think that area is dangerous, but they are like us, same to same, so nothing happens. We have such a rapport, a relationship with them, that I have never been scared," she said. "So we say that you should spend time with us and with our children and see the Red Light area. Nothing is different, they are the same as us and if you talk to them even once, you will forget about the sorrow and the pain."

Although the future is uncertain, YUVA Arts Project volunteers hope similar initiatives and events will follow in the future.

"We haven't fully figured if we want to do the exact same project every year, but we obviously are interested in working with marginalized groups," Maveal said. "We definitely have been talking about ways that we can keep this going... we haven't fully confirmed what we want to do but we definitely want to keep it going."

*Quotes from Sardar and Karande have been translated from Hindi.



COURTESY YUVAARTSPROJECT

Students from Prerana Anti-Trafficking, Mumbai participate in a workshop.

Beer coming to corner stores

Staff Report
Imprint

The Ford government is taking steps to allow beer sales in convenience stores.

The Conservatives introduced a bill in the Ontario Legislature on May 27 that will terminate Ontario's contract with the Beer Store, which does not allow the sale of beer in corner stores across the province.

Finance Minister Vic Fedeli said the system in place is a monopoly that is giving Ontarians and business owners a bad deal.

"The province's current beer distribution system is owned by three global giants who were handed a sweetheart deal by the previous government, who are more interested in protecting profits than convenience or choice for average people," Fedeli told the Legislature on Monday.

The announcement follows

negotiations between Ford's government and the Beer Store over the Premier's promise during the election campaign to allow beer and wine sales in corner stores. He has said expansion to more grocery stores, as well as retailers will open up competition.

In 2015, the Liberals ratified the contract between The Beer Store, three major breweries, and the province that was scheduled to last until 2025. That contract allowed the Liberals to expand into grocery stores, but it limited the number and type of retailers that can sell alcohol in the province.

Ford's promise to allow more than 11,000 convenience stores to sell beer and wine would have directly breached the contract.

Violating the contract would leave taxpayers on the hook for stiff penalties and any breach could cost taxpayers hundreds of millions of dollars.

President John Nock the United Food and Commercial Workers

local that represents Beer Store employees said the government's decision could cost thousands of jobs.

"We will fight this government and this premier to keep our jobs and to save the taxpayers the billions Ford is willing to pay to put beer in corner stores," Nock said in a statement.

The Tories have also announced a number of loosened alcohol restrictions, including allowing alcohol served in restaurants and at sporting events at 9 a.m., seven days a week, letting people consume booze in parks, and legalizing tailgating parties near sports events.



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UW professors discuss race

Harleen Kaur Dhillon
Managing Editor

The experiences of professors of colour differ vastly from their white peers. For Christopher Taylor, a lecturer in the UW's History department, has grown to be comfortable with his Blackness.

"It took years of continued growth, to be comfortable with who I am. Yeah, there are lots of barriers, there are lots of blocks, there were lots of things that challenged who I thought I was and who I'd like to be," he said. "That has given me something—this resolve to be unapologetically Black. That I don't need to be afraid of who I want to be."

The way that professors relate to other faculty members and their students can change depending on their ethnicity. Kimberly Lopez, a Filipino professor in the department of Recreation and Leisure, stated that she has heard many things from students that she didn't expect, from parental expectations to relationship issues.

"I think faculty members are expected to put up boundaries between their students and themselves to protect time and stuff like that, and I think that's important," she said. "And, yeah, students of colour come to me and women knock on my door and tell me things that I don't expect to hear in my job, but that's kind of the load you have to



Professor Christopher Taylor from History and Professor Kimberly Lopez from Recreation and Leisure talk race with *Imprint*.

navigate as a faculty member."

Lopez is the only professor of colour in her department, and Taylor is one of the few Black professors on campus. Both of them feel that representation is vital for students to be able to grow as academics and as people. Lopez said that having all white faculties can pose barriers for students of colour.

"Having a faculty that's full of white pro-



PHOTOS HARLEEN KAUR DHILLON

fessors perpetuates that notion that this is not [a place for people of colour]—if I wanted to go to grad school—where would I end up? We can't help but think those things," she said.

Lopez also finds support in her colleagues in her department.

She believes that there are many things that can tie people together, in addition to

their race or ethnicity.

"I think our department is super collegial and super supportive and we help each other out wherever we can," she said.

"So, how do I relate to other faculty? Sometimes, I don't. And sometimes, it's about finding your people. Not to say that you're not my people because of the colour of your skin, that's not what I'm trying to say, but we all have similar experiences in one area of life or another and that's, I think, how I connect with [others]," Lopez said.

Taylor hopes that students can learn to question the information they receive and make their own judgements on social issues.

"Think critically. I want people to look at the information that is presented to them and just think about it... I want students to understand the systems around them, I want them to understand colonization, I want them to understand how they, as individuals, navigate this world. That's what I want," he said. "I want to locate you [in knowledge], like who are you? And that's the thing a lot of people don't know because no one has asked them that question."

Lopez has written many papers on race and experiences of women of colour serving in care facilities. Taylor is the author of *Flying Fish in the Great White North: The Autonomous Migration of Black Barbadians*, which is available on Amazon and in the UW library.

For the full story, visit uwimprint.ca/article/uw-professors-discuss-race/.

campus bulletin

WHAT'S HAPPENING AROUND TOWN

Submit your 30-word announcement or upcoming event to ads@uwimprint.ca for free.

upcoming events

Friday, June 14

Gamelan Ensemble Concert - UWaterloo Balinese Gamelan Ensemble performs outdoors at 7 p.m. at Waterloo Town Square, 75 King Street, S., Waterloo. Rain location will be Conrad Grebel Great Hall, UW. Check website for updates - www.uwaterloo.ca/music or call 519-885-0220, ext 24226.

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?? ? Campus Question ?? ?

See what students think about current issues

This week: how has a club at UW changed or affected your university life?



Emily Cooke, 4A
Mathematics

“Since first year I got involved with Power to Change, which is a Christian club on campus. That was really impactful for me because it gave me a community to support me, pray for me, and help me grow closer in my walk with God. I also find a lot of meaning in being involved. I can come to school to do work, but I can also have an impact outside of classes.”



Louis Lu, 2A
Mathematics

“I’m only a second year student so I’ve not attended a lot of clubs. But I did join the Language and Culture exchange club last term. I had some good moments there. It made my university life less boring. I was actually one of the tutors there so it gave me a lot of experience with tutoring.”



Sali Moieldin, 3B
Social Development Studies

“A club within the school that has changed and affected my life in a way is the RAISE club. I felt like I was being represented to the university campus. Although there are many ethnic groups, for example BASE and the African Association Group and so on, I felt like those were still very narrow in the people that participate but RAISE is so open to so many different cultures and different attitudes that I really felt represented by that group.”



Siwei Zhang, 1B
Engineering

“I haven’t really gotten into a club that fits me. I find it’s really hard to find one. I’ve tried different options, obviously. One issue I find is I couldn’t find a good information source for me to consolidate all kinds of clubs, because every single club has different places to put their schedule, and it’s really hard to find them. For some clubs I’ve tried to talk to them and I just find I don’t really fit into their groups. I mean, you have to find where you fit best, and it’s a really tough thing to do.”

Tariffs on steel lifted

Talking about recent information from faulty surtaxes

Harkirat Sunner
Reporter

The year-long feud with Donald Trump is finally over. On Friday, May 17, it was announced that the tariffs imposed on steel and aluminum will be lifted by both the U.S. as well as Canada. Prime Minister Justin Trudeau referred to this as “pure good news” as it facilitates the synergistic trade relations between Canada and the U.S.

Throughout the first half of 2018, Donald Trump imposed a number of tariffs in various countries including Canada, Mexico, China, and others. The original tariffs: 25 per cent on Canadian steel and ten per cent on Canadian aluminum, were announced by the U.S. on May 31, 2018, Canada retaliated with similar surtaxes on U.S. steel, aluminum, and over 70 other U.S. products.

These tariffs were introduced as an effort to “bring jobs and industry back onto American shores”. Trump has also referred to the tariffs numerous times on social media, stating that he is “a Tariff Man” and that “Tariffs are the greatest!”.

News of these tariffs being lifted brought a lot of hope to Canadian businessmen. “It’s everything we’ve always asked for,” Jean Simard, a spokesperson for the Aluminum Association of Canada said.

The association also emphasized the importance of protecting domestic suppliers from cheaper foreign supplies flooding the market. U.S. imposed tariffs were meant to

protect local suppliers from foreign steel entering into the U.S. via Canada.

Over the last year, financial markets were heavily impacted by these tariffs. Speculation surround them and their sustainability.

With the new deal, Trump plans to strengthen trade relations with Canada. Investors have more reason to be hopeful for the Canadian economy in the near future.



COURTESY CTV NEWS

President Trump and Prime Minister Trudeau lift the tariffs imposed on steel.

Correction

The Campus Question on pg. 3 of Vol. 42 Issue 2 of *Imprint*, printed May 15, 2019 asked students and professors their opinion on the appropriateness of professor-student romantic/sexual relationships. The quote attributed to Professor Dan Wolczuk was not actually his answer, but the answer of Nour Al-Hendi.

Wolczuk’s actual answer to the question was: “I think that those should be avoided at all costs. They can lead to awkward situations for all those involved and can potentially have catastrophic consequences for either party depending on how thing occur.”



ZACH FISHMAN

Dan Wolczuk, Lecturer Mathematics

arts & life

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Tracing lineage: the art of family trees

Zach Fishman
Intern Reporter

In 1950, Lorraine Roth, an Amish and Mennonite genealogist, discovered an inconsistency in her family's understanding of their ancestry when recording the Brenneman family tree which followed her mother's maiden name.

"They always thought Jacob Brenneman was married to a woman named Magdalena. In fact, when Lorraine went and did some research, she discovered that the woman's name was Lydia Leonard, and Leonard is an Irish name. So this Amish family discovered that they had this Irish ancestor," Lauren Harder-Gissing, Archivist and Librarian of the Milton Good Library at Conrad Grebel University College, said.

Roth's family tree is on display among many others at Grebel's new exhibit, Growing Family: Design and Desire in Mennonite

Genealogy. The exhibit is free to visit and open for self-guided tours until May 2021.

The exhibit includes over a dozen different Mennonite family trees, as well as different charts and artworks that represent family histories.

Harder-Gissing was inspired to create the exhibit after noticing the number of people that would stop and closely inspect the family tree she had hung outside her office previously.

"There's something about [family trees] that's really appealing to people, that can really draw you in, even if you don't know the family," Harder-Gissing said. "We live in a time that is so future-oriented, it's hard to even imagine the past."

Family lineage can be hard to trace. Some people may live with a partner without getting married, children can be adopted, and some people may die without having children.

Some people have gone to the lengths to

create greater, more complex archives for these extra-familial relationships.

These are community family trees, where a genealogist will track not only their own family, but every family that lived in a chosen village or county and combine all the relations in one database.

One goal of the exhibit is to inspire other artists to take the idea of family and community trees a step further.

"It would be interesting to see—and I've never seen it—but I wonder what would happen if we drew friend trees," Harder-Gissing said. "What I'm hoping that my exhibit does is stimulate and inspire people who are more artistic than I am to come and take a look at what we have here and think about some of those things, and think about how would you do that? How would you draw a tree of friends?"

Guided tours upon a request to Harder-Gissing at the email address lharderg@uwaterloo.ca in advance.



The exhibit at Conrad Grebel run until May 2021.

MFA theses review

Jen Jeager
Editorial Assistant

It's displays of pure imagination such as the second display of Master of Fine Arts (MFA) theses at the East Campus Hall Art Gallery (called 'uwag') that show us the human mind is capable of real creativity.

The Art Gallery showed the second round of MFA theses from May 2 to 18. Gallery 1 displayed MFA candidate Zahra Baseri's thesis titled Tell All The Truth But Tell It Slant; and Gallery 2 displayed Paula McLean's thesis, To Catch A Glimpse of Things.

The faint scent of gasoline greeted guests in Gallery 1. There were three installments: various drawings lined up along the back wall, large pieces of paper draping over containers of an oil-like substance, and a metal box with designs such as the chemical make-up of oil carved out and made visible on the wall by a light inside the box.

Baseri's summary of the work depicts it as a collection of "images, objects and spaces that subtly speak to the collective phenomenological experience of a shared melancholia that those who self-identify as Iranian are undergoing."

It brings light to "the problematic nature

of binary power dynamics" and "addresses complex issues of the oppressive ruling system in Iran that continually and deliberately produces socio-political turmoil as a way to control its citizens."

It forces the viewer to see the inconsistency between the story we think we know when we use oil and the story of the people who are directly impacted by oil extraction and production.

In Gallery 2, McLean's artwork used distorted images, especially distorted photocopies, to form the paintings, drawings, and sculptures in the exhibition.

"I am constantly removing distinct shapes from the distortions and translating them into different forms... I want the work to speak to the way the mind attempts to select and arrange distinct memories from lived experience," McLean said.

This speaks to the uniqueness and messiness of human perception, how our minds analyze, prioritize, and erase, or substitute aspects of our own experience in order to attempt to understand the world around us.

The exhibition is free and open to everyone. The next MFA theses exhibitions are next year.

For more information about these and other exhibits happening throughout the year visit <http://uwag.uwaterloo.ca/>.

Stratford Theatre

Jen Jeager
Editorial Assistant

Stratford, Ontario is a short distance from the familiar confines of the UW.

You may know it as the town that gave the world Justin Bieber, but Stratford residents and frequent tourists know it for the Stratford Shakespearean Festival that features on classic musicals, as well as modern and Shakespearean plays since the 1950s.

The theatre's season is just beginning, so there's plenty of time to make a trip there this summer.

A musical with a lot of buzz around it this season is *Billy Elliot*.

Based in the mid-1980s, the musical depicts an eleven-year old boy named Billy Elliot (played by Nolan Dubuc) who breaks free from his small village in England, his prescribed future in mining, and stereotypes of masculinity to pursue his talent for dance.

Billy Elliot will make you laugh, cry, and dance in your seat. When it is over, you will probably be left wondering how an eleven-year-old is way more talented than you are. Word travels by mouth in Stratford, and the word is that Billy Elliot is the best musical ever put on at the Stratford Festival.

This is with full knowledge that *Rocky*

Horror was a massive success and that the cast and crew of Stratford's 2011 production of *Jesus Christ Superstar* continued the show on Broadway in New York.

Billy Elliot has been showing since Apr. 16 and even before its official opening date on May 28, was extended to show on stage at the Stratford Festival Theatre until Nov. 3, 2019.

This musical features music from Elton John and was made into a feature film in 2000, but 19 years later, it has been reimaged by Stratford's genius, superstar director-choreographer Donna Feore.

Feore has choreographed some of the Stratford Festival's most successful musicals in her 25-year career there, including *Fiddler on the Roof*, *Guys and Dolls*, *A Chorus Line*, *The Sound of Music*, and most recently, *The Rocky Horror Picture Show* in 2018 which was the longest running musical in the Festival's history.

Donna Feore is also director-choreographer for *Little Shop of Horrors* this season.

The Stratford Festival offers \$20-\$40 tickets for anyone under the age of 29, all you need to do is sign up for free to become a Play On member.

Stratford is accessible by direct Festival bus, Via Rail, a short drive, or a long walk. Visit the Stratford Festival website to see what else is playing this season.

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UW research shows breakthrough in Alzheimer's treatment



COURTESY UW

A breakthrough in Alzheimer's treatment by Professor Nekkar, could signal the end of Alzheimer's disease.

Nick Owens
Science and Tech editor

A breakthrough by Professor Praveen Nekkar of the UW School of Pharmacy has shown promise treating and potentially curing Alzheimer's disease.

In a previous study, Nekkar discovered that fluoxetine and paroxetine both show promise in slowing the advancement of Alzheimer's disease and dementia. Both of these medications are common antidepressants used for different mood disorders.

A primary cause of Alzheimer's disease is the buildup of plaque in

a person's brain. Plaque blocks out the signals between nerve cells, leading to the symptoms characteristic with the disease. Nekkar's research showed that using these medications early enough helps to prevent the proteins that cause these plaques from binding to the brain, prolonging the onset of symptoms by up to three years.

The chemical structures of these antidepressants are being analyzed to create a blueprint for future drugs with even higher rates of success. The end goal is something to both cure and prevent Alzheimer's disease.

Nekkar is collaborating with researchers from the University of Bordeaux in France. At UW,

another partnership is happening between the department of Mechanical and Mechatronics Engineering and the School of Pharmacy. Connections between the two have provided access to better modelling techniques and screening. Combined, all of these could lead to a day where Alzheimer's disease is a thing of the past.

Continued production of illegal CFCs

Increase in ozone-depleting emissions traced to China's eastern provinces

Nick Owens
Science and Tech editor

A new source of Chlorofluorocarbons (CFCs), a banned substance, has been traced back to China's eastern provinces.

CFC, a substance that was discovered in the 1930s was originally used as a refrigerant and has also been used in the manufacturing of foam insulation.

However, CFCs produce substances that break down ozone, causing depletion (holes) in the ozone layer. For this reason, they have been banned internationally since 1996.

The environmental effect of this ban has already become evident, with trends showing that the breakdown of the ozone layer lessened.

However, in the past six years, the rate of depletion levels of CFC in the atmosphere has reduced.

A class of chlorofluorocarbons, CFC-II, is cheaper to use than its alternatives, so several companies ignore the environmental regulations and use it.

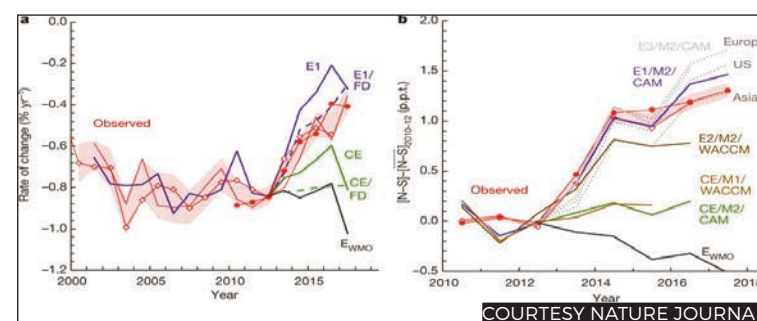
However, as previously stated, these emissions have made a hugely negative impact on the world.

As a greenhouse gas, CFCs are also 5,000 times as potent as car-

bon dioxide. The government of China addresses companies in the eastern provinces using these substances as "rogue manufacturers" and is taking action to prevent their continued use.

However, the problem is not limited to the eastern provinces as other provinces and other countries around the world are also responsible for these emissions. This is due to the low monitoring of these substances in other countries. Therefore, the CFC emissions can only be detected after they have migrated to other regions.

Going forward, this could also have indications of the measure-



COURTESY NATURE JOURNAL

Rate of change of atmospheric CFCs shows an increase after 2012

ment of emissions as a whole. CFCs have been banned for more than twenty years, but greenhouse gas emissions are a continuing problem worldwide. Without

being able to identify the source of illegal emissions, it may become difficult to track the progress of climate initiatives worldwide.

sports & health



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Warriors snap up two more gems



Charlotte Hall and Sophia Kozmevski, joining the women's soccer team with head coach John O'Brien.

Syed Naqvi
Sports Editor

Recruitment for the new season went smoothly in the Warriors' Women's Soccer Team. Ahead of the 2019 season two more big names joined the Warriors squad: Sophia Kozmevski of Brampton, Ont. and Charlotte Hall of Port Moody, B.C.

Kozmevski discovered her calling as a soccer player at a young age. She dedicated herself to the sport from the age of 4 and began her career on the Brams United. She is currently plying her trade at Rush Canada.

Kozmevski is she is the captain of her high school team. She has also played multiple undefeated seasons and her team won the Region of Peel Secondary School Athletic Championship in 2015.

As a centre back she led her team and ensured their defensive solidity to guarantee team championships. The strategy succeeded at the Umbro showcase and her team entered the semi-finals of the Indoor Ontario Cup.

"I'm very excited to see Sophia play. She is a very physical presence and will definitely develop into one of the leaders of our program," John

O'Brien, Head Coach, said.

"It has been a goal of mine to play at the university level and I am honoured to further my athletic and academic journey as a Warrior," Kozmevski said.

Hall played further up the field in her role as the attacking midfielder. In modern soccer the role of an attacking midfielder is more important than ever, with all the attacks of the team flowing through that key playmaker. Hall took over the role seamlessly and displayed considerable leadership qualities as he team captain in her senior year. In 2017 Hall's West Coast Metro Team won the Raineer Valley Slammers Tournament in Seattle and in 2018, Hall received West Coast Auto Group Football Club's Alan Blair Award.

"Hall ... is very talented and has great size. [She] will compete for a starting spot at midfield," O'Brien said.

"I cannot wait to join the Warriors and put on the black and gold. The program is becoming one of the more elite in the province and I look forward to contributing anyway I can," Hall said.

With these two additions Warriors recruitment, it's only a matter of time before Warriors stake their claim as the best Women's soccer team in Canada.

Warrior pride lives in Tre Ford

Syed Naqvi
Sports Editor

Tre Ford continues his impressive streak in the CFL.

Ford will participate in the CFL's Quarterback Internship Program for the second year straight. His hosts this time will be Hamilton Tiger-Cats.

The CFL Quarterback Internship was initiated in 2010 and since then its participation was mandated for all the teams in the CFL.

The program provides an ideal platform for the budding quarterbacks of Canada to hone skills such as positional awareness and vision. Simultaneously the quarterbacks also participate in practice drills and team meetings.

Ford had prodigious performances in the 2018 season and has penchant for rack-

ing up unbelievable statistics. He is leading U Sports in touchdown passes (27), and is leading the OUA in both passing yards (2,822) and completion percentage (74.1%). He also has the fewest interceptions among all qualified passers (two). He disproved his status as a single-dimensional athlete by rushing for 641 yards. This record-breaking season has let Ford stake his claim as the best quarterback in CFL.

Not only was Ford busy shattering OUA records, but he also crushed various school records. He broke the record of most passing yards in a single twice in 2018: once against win over Windsor and then, in one of the most clutch performances of the season, against Laurier.

Ford was also recognized for his feats: he bagged the 2018 OUA's MVP award and also won the 2019 Totzke Trophy as Waterloo Warriors' male athlete of the year.



Tre Ford in action against two players from Laurier.

COURTESY OF UW ATHLETICS

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Student Life Centre, Rm 0137
University of Waterloo
Waterloo, Ontario N2L 5G1
P: 519.888.4048 | F: 519.884.7800
uwimprint.ca

CEO: Andres Fuentes
Executive Editor: Victoria Gray
editor@uwimprint.ca
Advertising & Production Manager: Laurie Tigert-Dumas
ads@uwimprint.ca
Editorial Assistant: Jennifer Jaeger
edassistant@uwimprint.ca
Sales Associate: Vacant
Sales/Marketing Assistant: Rachel Hannusch
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Wednesday, May 29 at 2:30 p.m.
Imprint Office, SLC 0137

Next scheduled board meeting:
Wednesday, June 12 at 6 p.m.
Imprint Office, SLC 0137

opinion

HAVE YOUR SAY

Submit your letter to the editor or your community editorial to opinion@uwimprint.ca. Find more opinions at uwimprint.ca.

Meditation and gratitude

Spirituality is the most practical thing. Spirituality is a very ambiguous term, it means a lot of different things to different people. Let's, for the sake of this article, define spirituality as meditation, introspection and gratitude.

Meditation could be dismissed as stagnation or escapism, but many believe true meditation means becoming one with your spirit, which they'd say is who you really are. It's not about running away from the outside world, it's about enhancing your outer experience with a vividness and aliveness from within. From my own experience, there's a sharpness to life after a good meditation. Like if someone turned down the ambient sound and you were really listening for the first time.

A new study from the University of Derby in the U.K. has suggested that meditating on emptiness, or you could say, reaching thoughtless awareness, might be better than mindfulness. From my own experience, the state of thoughtless awareness is a cure all for problems of the mind. If you're able to stop thinking, to stop reacting to the outside world and to your own mind, then you can enter at any moment a place within yourself that is peaceful, content and even joyful. This state can be elusive, but there's

a technique called Sahaja Yoga that can help even first time practitioners or children achieve this beautiful inner silence. You can find out more at: www.freemeditation.com or Free Meditation TV on YouTube.

Introspection is a completely logical practice as well. We are with ourselves our whole lives, we might as well know ourselves as best we can. This is a living relationship; the better you know your needs and desires, thoughts and issues, the better you can love yourself by catering to your personal needs. One thing I've noticed from introspecting on my reactions, as Shri Mataji Nirmala Devi, the founder of Sahaja Yoga, recommends, is that I have attachments and conditionings about what I find normal, which I might benefit from challenging.

David Goggins, author, ex-navy seal, and man of incredible discipline, talks about looking in the accountability mirror.

"Whatever you are, you must look in that mirror and be brutally honest with yourself and call yourself out for what you are and what you're not... and put sticky notes up there about what needs to be changed," Goggins said.

Over time, we can use self reflection for personal growth or so many other things.

Finally, gratitude. Perception influences

life so much. By shifting our focus we alter our reality. Heartfelt gratitude is one key to filling our lives with more joyful moments. Studies have shown that the effects of a gratitude practice spread not just to psychological health (things like self-esteem, empathy, mental fortitude) but also to physical aspects (increased likelihood to workout, better sleep patterns) and even increase the likelihood of expanding our friend group (through practices like saying thank you, sending thank you notes, etc).

I find that just counting my blessings, or shifting my attention to what good fortune I have, even in small, small things, really makes me more peaceful and satisfied. And when I feel more complete in myself, I'm better able to give love to my friends, family, and passerbys.

The beautiful thing about these practices is that they can be scaled to any schedule! Benefits of spirituality can manifest incrementally with just a moment or two of practice. So ask yourself this week: What am I doing about my spirituality?

Dylan Wilson
Arts & Life Editor

A mathie in the arts world

It's easy to get your feet wet when you've already plunged into the deep end. At least, that's what I'm learning at my current co-op placement at Inter Arts Matrix (IAM). There was only one problem: I'm a math student, with no experience in writing up until... well, now.

It's a common joke at work, when most tasks I do involve "getting my feet wet." I work for IAM is a mandate-based arts production company. I frequently get assigned tasks I have never done before, and the entire team lends a helping hand in getting me what I need to succeed, whether it be graphic design, video and audio recording, or article writing. It's a learning experience unlike one I have ever experienced before.

IAM needed someone to help run their pilot project, X-Camera, and I needed a spring co-op. With my experience in teaching and event planning it was a perfect fit! Up until this point, however, my experience was limited to a classroom setting, so I had to hit the ground running in local arts scene.

This really came into focus for me at our first event of the year, which happened at the end of my first week. The goal of our pilot project is to create an "intentional artis-

tic community" for the Region of Waterloo and our weekly Friday events are designed to encourage networking between artists and members of the community, hopefully resulting in interdisciplinary projects. I felt a little out of my element when I was first asked, "Do you consider yourself the creative type?"

The answer is always yes, of course. I frequently admire the beauty of mathematical proofs and love proving them myself. I enjoy discussing teaching strategies for the next generation of math students with other members of the Teaching Students' Association. I've spent hours crafting and analyzing strategies for the reality show Big Brother. But the question I feel they're really asking is "Are you an artist? A videographer? A writer? Something else?" That answer was always "no" ... until now, and here I am, confident in saying yes to each of them.

My passion lies in education, and after almost four years of learning about math, business, and teaching in university, working in a completely new environment is a breath of fresh air. Through our X-Camera project, I've gotten the opportunity to be

involved with adult education and lifelong learners. I've learned skills that I've always admired in others, but never thought I would pursue myself. I remember in high school, watching my friends set up the camera to record my graduation. Now I have experience filming interviews and recording audio. Whenever we needed some flair in our presentation for class, someone else always took the wheel with the design. Now not a day goes by without me needing to work my graphic design muscles. I am developing skills I never thought I would do because I had never considered myself an artist. It's wonderfully refreshing to be a student in a field that I had never lived before.

At the end of the day, this co-op is wildly different than any of my past jobs and education I've done. I've done no programming, very little math, and no teaching in the traditional sense, but I did get the opportunity to learn skills I never thought I'd even learn. I have made connections with people in a community I barely knew existed and diversified myself into someone who is more than just a math student.

Thomas Hinsberger
4B Math/teaching

distractions



GRUMPY CAT DIED ON MAY 14 AT AGE SEVEN FOLLOWING COMPLICATIONS OF A URINARY TRACT INFECTION. OVER THE YEARS SHE HELPED MANY IMPRINT READERS SMILE, AND WILL BE SORELY MISSED. R.I.P. GRUMPY CAT.

SUDOKU

Enter numbers into the blank spaces so that each row, column, and box contains the numbers 1 to 9.

				6			9	4
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SHAKING MY GLASSES OFF BECAUSE I DON'T WANT TO SEE THE AMOUNT OF WORK I HAVE TO DO!

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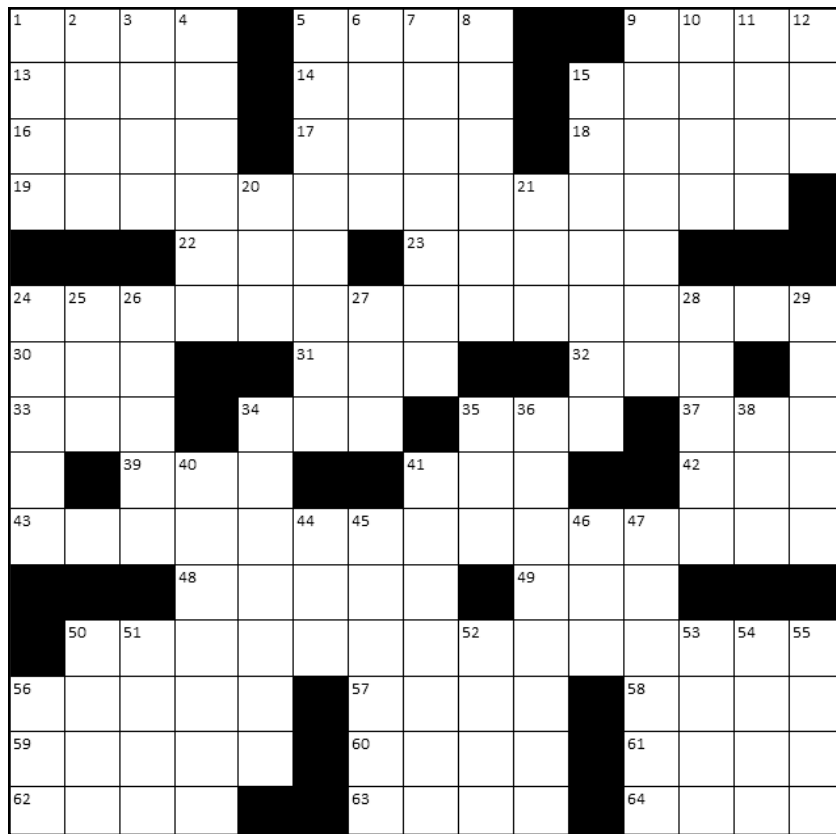
ODE TO A MEME

BY TIMI BETH



With apologies to KC Green: backcomic.com

Crosswordless



DAVE MITCHELL

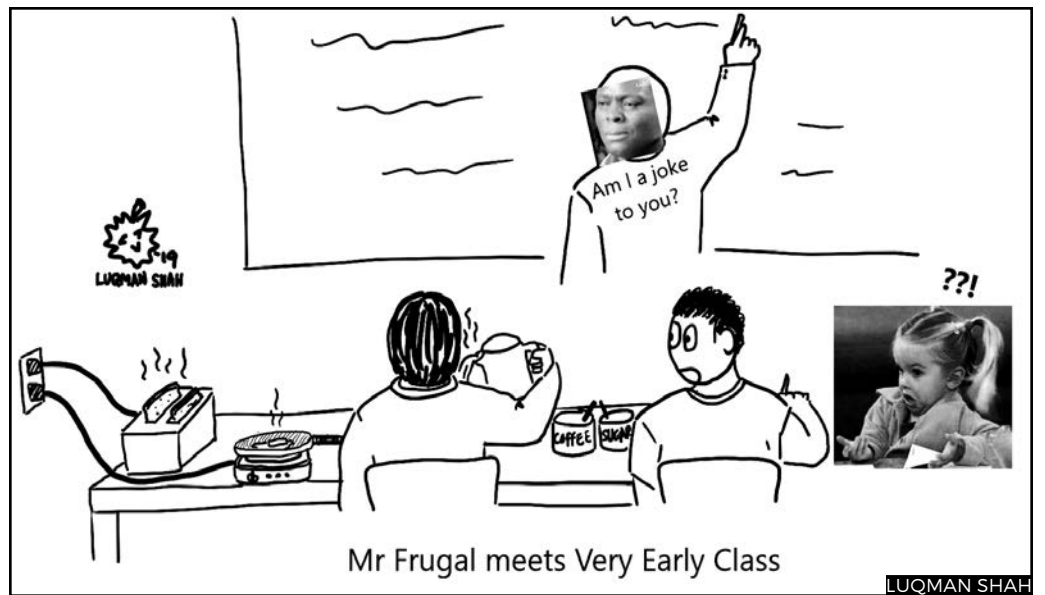
Across

- 1. Agreement
- 5. Unceasingly
- 9. To be included in an email but not directly addressed (abbrv.)
- 13. _____ Gobi
- 14. Zero
- 15. In better shape
- 16. Scraping sound
- 17. U.S. payroll tax
- 18. Black
- 19. The study of insects and crustaceans
- 22. Month before May
- 23. Large Lego
- 24. The study of the constituents of matter
- 30. The fourth caliph, born the Kaaba in Mecca
- 31. Goddess of dawn
- 32. Prevents employment discrimination
- 33. Old cloth
- 34. Canadian security market
- 35. Donkey
- 37. Complain
- 39. 2013 Spike Jonze film
- 41. What Rockband lacks
- 42. Short brew
- 43. What faculty contains clues 19
- and 24 across
- 48. Sharp points
- 49. Matrix protagonist
- 50. Coordinate system in the 1600s
- 56. Minor film role
- 57. "_____ of Dogs"
- 58. Murdered
- 59. Cattle
- 60. Mix
- 61. Site for artisans
- 62. Raunchy pictures and dirty talking
- 63. Cooking measurement (abbrv.)
- 64. Doesn't stand
- 26. Correct
- 27. Smoked salmon
- 28. A type of compound
- 29. Classic game consoles
- 34. Theon Gryjoy was one
- 35. The Walking Dead is a TV series on it
- 36. Gyroscopes
- 38. Imitate
- 40. Bruce Springsteen band
- 41. Helps out
- 44. Opposite of SSW
- 45. Refrain from
- 46. Yikes
- 47. "Ask me no questions and I'll tell you _____"
- 50. Actress Blanchett
- 51. Alternative to Visa
- 52. One part of the mouth
- 53. Start of a play
- 54. Bird's house
- 55. Ice cream brand
- 56. Website styling language

Down

- 1. Lead into legal or trooper
- 2. Wing-like
- 3. Price
- 4. Mr. Peanut wears one
- 5. Emphasizing
- 6. Digital telephony
- 7. Conceals
- 8. Get informed
- 9. Rear train car
- 10. Wooden shoe
- 11. Wee
- 12. Arid
- 15. No doubt
- 20. A small, affordable computer
- 21. Love interest of Ham(let)
- 24. Winter jacket
- 25. In the style of

The Urban Circus



Mr Frugal meets Very Early Class

LUQMAN SHAH

PUZZLES &



OBSERVE THE FOLLOWING SET OF WORDS:

SPEED, BEAUTY HOME, WAR, RULER, FEAST, SKY, OCEAN, DEAD

THIS SET OF WORDS BEARS A SPECIAL SIGNIFICANCE. EACH WORD ALLUDES TO SOMETHING IN AN ANALOGOUS SET. FURTHERMORE, WHILE THE WORD "DEAD" ONCE BELONGED, IT NO LONGER DOES. WHAT IS THE SIGNIFICANCE BEHIND EACH WORD- THAT IS TO SAY, WHAT ARE THEY REPRESENTING? WHY ARE THESE WORDS IN THIS SET TOGETHER, AND WHY DOES "DEAD" NO LONGER BELONG? FOR A HINT, SEE BELOW.

THIS PUZZLE IS BROUGHT TO YOU BY THE UW PUZZLES & BRAINTEASERS CLUB, WHO MEET EVERY FRIDAY AT 6 P.M. IN QNC 1507.

HINT: THERE ARE NO RELATIONSHIPS BETWEEN THE WORDS IN THE SET. EACH WORD CORRESPONDS TO EXACTLY ONE OBJECT IN THE ANALOGOUS SET.



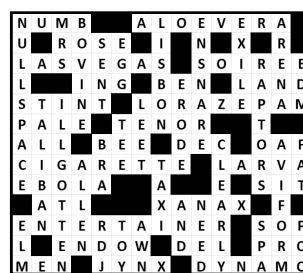
"I'M STILL WAITING FOR ALL THESE MAY FLOWERS EVERYONE KEEPS TALKING ABOUT..."

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How good are you at spotting fake news? One of these headlines are false; check our next edition for the answer!

- 1. French authorities warn LED lights are dangerous
- 2. Berlin's deli for dogs is a huge success
- 3. North Korean stray cats are rounded up and sent south.

Solution to last issue's crossword:



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1 2 3 4 5
Never Neutral Always

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1 2 3 4 5
Poor Neutral Excellent

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1 2 3 4 5
Strongly Disagree Neutral Strongly Agree

Question 5: Rate your satisfaction with Imprint sections from 1 to 5 (1 being very dissatisfied and 5 very satisfied)

News	Opinion	Features	Arts	Science	Sports	Distractions

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Never A few times a month Monthly via social media Daily

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1 2 3 4 5
Never A few times a month Monthly Weekly Daily

Question 9: What's your favourite part of Imprint?

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Question 10: What's Imprint missing that you'd like to see?

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Question 11: How can we improve our social media posts?

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(Optional for prize)

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