

THE IRON WARRIOR

THE NEWSPAPER OF THE UNIVERSITY OF WATERLOO ENGINEERING SOCIETY

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Canada 150 Celebration at the University of Waterloo & EngSoc Joins Toronto Pride Parade!



University of Waterloo

Canada 150 Celebrations hosted by the University of Waterloo on the Columbia Ice Fields Green, North Campus

**JESSICA KEUNG &
CAMERON SOLTYS**
4A CIVIL, 4A MECHANICAL

150 Years - Canada Day

The University of Waterloo's Canada Day event took place last week near Columbia Lake. The massive festival, which had pre-day attendance estimates of between 50 000 and 70 000, was a huge success. Dozens of vendors, scores of university staff and other personnel, and over 100 student volunteers all worked diligently to make everything come together as it should.

The event got off to a rocket start, when an inopportune 1 PM thunderstorm sent the entire setup crew running for the safety of Columbia Ice Fields (CIF), the nearest permanent structure. Fortunately, the weather cleared by 3:30, so the attractions managed to open by 4 PM as planned, albeit with more disorder than might be hoped. The early attractions catered largely to smaller children: the main stage featured an hour and a half of famous Canadian children entertainers "Bobs & Lolo." Food trucks served all manner of foods, from ice cream to authentic Indian dishes, while entertainers on stilts, face-painters, and balloon-blowers entertained the crowd. The Engineering Society set up shop on the top of a hill to provide attractions like

bouncy castles, a foam airplane craft, and a crowd-favourite 100-foot water slide.

Other attractions of the day included exhibits put on by other student clubs and groups, like the the Student Art Innovation Lab (SAIL), which offered screenprinted party hats; UWAF; and the AHS faculty. Still more attractions were offered by community partners like THEMUSEUM, and the Kitchener-Waterloo Art Gallery. At 6 PM, two vintage fighter jets operated by the Waterloo Warbirds, a single-engine Canadian T-33 and a Czech Aero L-29 Deflin, did a few celebratory passes.

The most significant change to this ceremony from previous years was the creation of a second stage, located at the far end of the field to the main stage. This stage, named the Canada 150 Cultural Stage, featured a number of different cultural performances by groups such as the Portuguese Club of Kitchener and the South Indian Tamil Nadaswarm Music Group. The university itself was represented too, with performances by UW Hip Hop and UW Balinese Gamelan Ensemble.

The headline event at Canada Day this year was Dwayne Gretzky, a Torontonian band famous for their covers of other popular bands. They're a smart choice, since the music they perform covers a

range of eras that satisfied most of the crowd. The final performance of the night was a final round of "O Canada" performed by university a cappella group The Waterboys, which initiated the last event: the fireworks.

For me, this Canada Day was a series of mini-miracles. The 1 PM rain was unfortunate, but the clouds that came after provided much-needed shade for part of the afternoon. More miraculously, the rain threw everyone's schedule into disarray, but actually solved a scheduling issue I had run into quite nicely. Similarly, EngSoc's bouncy castles got blown up later than expected, after people started showing up. However, this concurred with the arrival of a few extra volunteers: if the technicians hadn't shown up late, we would have been short-staffed. This isn't a story about me, so I'll leave my tale there, but it was a wonderful and opportune day for everything to just happen to work out.

Canada may have turned 150 this year, but there is still so much rich history in its past. Be it the migration of the First Nations some 10 000 years ago, the temporary settlements of Vikings in Newfoundland and Labrador before Columbus ever set sail, the English takeover of Quebec, or the Rebellions of 1837 - 1838, Canada's long and exciting history is betrayed by its young age.

Even just in the 150 years since Confederation, there are many wonderful (and horrible) stories to tell.

Toronto Annual Pride Parade

This year marks the 37th annual Pride festival in Toronto and the second-ever Pride Month. This Pride Month consisted of engaging programming and exciting events throughout the city, culminating in the famous and much-anticipated Pride Parade on June 25th. The Pride Parade also included the Trans* Pride March on June 23rd and the #RESIST Dyke March on June 24th.

The Pride Parade marched through the city's Gay Village and shut down the street to become a pedestrian-only party zone. The parade started at the intersection of Bloor Street East, partied down Yonge Street, all the way down to the intersection of Yonge Street and Dundas Street. This procession of rainbows and inclusivity weaved through the downtown core, spreading colourful cheer to all the L, all the G, all the B, all the T, all the Q, and to all those around.

Continued on Page 3 as "UW Canada 150 & EngSoc T.O. Pride Parade"

Letter from the Editor

A Struggle For Control



Hello once again, and welcome to the fourth issue of the Iron Warrior for the 2017 Spring Term. It's definitely starting to feel like summer as well! Finally, eh?

Before jumping into the stream of words that is my editorial, I would very much like to thank the folks at The Iron Warrior who contributed to this article and made it possible. As always, thank you to the people who have copy edited and reviewed the draft, as well as the bulk of people who sent in their articles before the deadline! (Kudos to our EngSoc Execs once again who got their updates in early as well this issue despite it being a long weekend!)

We have lots of great features in this issue! Given the recent Canada 150 celebrations I decided it would be most appropriate to have as much Canadian content as possible in this issue! As such we have a lovely front page feature showcasing the Canada Day celebrations here at the University of Waterloo. The second part of the front page article is the University of Waterloo's and the Engineering Society's involvement in the annual Toronto Pride Parade.

This issue also features a very special edition of our collaboration with Awn Duqoum, the Director from Engsoc's Mental Health Awareness (MHA) team (This collaboration features articles from their online blog that interviews students and shares their stories on mental health on a weekly basis). The Iron Warrior has been very happy to collaborate and help them in trying to reach a wider and broader audience. In this issue, they have brought to us a message from none other than President & Vice Chancellor Feridun Hamdullahpur. So make sure you read this one! Don't forget, the MHA can also be found and reached through the following link: <https://medium.com/@UWEngSocMHA> or through their email at engsocmha@gmail.com.

All this being said, I once again cordially invite and encourage our readers to send us an email if they want to write for The Iron Warrior or want to join our (almost-always) merry group. Similarly, if you have an opinion, argument, or praise for anything you read on our paper feel free to let us know! You can find us at E2-2345 (usually during meetings on Tuesday 1730h-1830h) or through our email address at iwarrior@uwaterloo.ca.

So, I know there are a lot of students out there who probably got their marks back from Hell Week/midterms, while

there are also a bunch of us who are probably frantically calculating marks to figure out just how much we need to pass that next course. In any case, this is also week 10 of the term. As I mentioned last issue, for many of us out there, we've either already burned out or we're very quickly burning out – if not, it certainly feels that way. The term has probably pulled us in all sorts of directions, with courses hammering on us with midterms, others drowning us in assignments, or maybe for some it's hitting us hard with that term project. I've personally found myself drowning on project work, capstone project meetings, and presentations! As such, I think it's worth talking about or at least mentioning the idea of adapting to changing circumstances.

It's the idea that even though things are potentially spinning wildly out of our control, we break away from it and adapt or change accordingly. Maybe it's something that we feel like we're incapable of doing, or something impossibly difficult, and many of us will be familiar with this. It could be that we try to do well in school and we end up falling flat because we get sick or end up slipping on one exam. As I mentioned last time, this can be very common when we're struggling not to skip or to do 'just enough' in a course that we're not really all that interested in. In other cases, maybe we find ourselves struggling to stay motivated in school because we're just trying to pass or we're just trying to keep a certain average. For some, it becomes even more difficult when they face failure, or a less-than-stellar performance at a project. Motivation can be nonexistent afterwards and often what also comes with this is we end up feeling like many things are out of our control and situations are hopeless.

I'm sure a lot of us can relate, so what can we do in situations such as this? Well, there are a few things we can do. Very similar for the process I mentioned last issue regarding motivation, asking myself the following questions tends to help me set my mind straight or at least help me come back to a more realistic perspective.

1. What worries me the most?

The first step is to identify which of our problems are causing the most anxiety or worry. What keeps popping up or keeps bothering us. Sometimes it's even possible to list things in order of their urgency and apparent level of priority in our minds. What I've found helpful here is actually using a Ti-Mandi window. Very similar to a Johari window, the Ti-Mandi window is a square divided into 4 quadrants, and is a common managerial tool for time

management and tasks. The X-axis represents Urgency level: High & Low, while the Y-Axis represents Importance level: High & Low. It's up to you how to use the tool, but the easiest way I've found to use it in this situations is listing out what feels important to me according to its urgency. It can help you identify which things you need to address first.

After this step, some people might feel less anxious and more in control. For some, simply organizing the tasks at hand can help in feeling that the situation is under control. For others, it may even help them feel like they change their expected outcome of the situation!

Sometimes, however, this first step just does not cut it and we can still feel overwhelmed or 'not-in-control' of the situation we're in. In response to this, the following step tries to break things down further.

2. What do I have actually have no control over?

Out of your list from the first step, pick the one that bothers you the most, or the one that you feel you have the least control over. What this next step really tries to do is challenge us to find out what things we don't and do have control over. What this would hopefully start to do is shift our mindset from "we can't do anything" to "we can do something" and this should hopefully foster a perspective of adaptability and flexibility.

By taking inventory of the items and factors in the situation that we really do have control over, we can focus our attention away from items that we can't change and towards the things that we can. For example in the case of a failed midterm or a botched assignment, we can try to shift our attention away from feeling guilty over the outcome and focus more on tackling the course's subject matter. It can be incredibly draining trying to change things that you can't, and that energy is better spent on things that you can do. We can always change or try to change how we feel, view, react, and act towards the situation, and it's important to keep inventory of these factors that we do have control over.

At the end of the day, when we're doing something that we feel we have control over, we tend to approach it with more confidence and less worry.

Anyways, that's all I have for this issue! Hopefully it helps, and for those of you struggling with staying in control of a situation, hang in there! I urge you to try taking a step back and taking stock of the items that you can change, re-organize & re-prioritize!

THE IRON WARRIOR

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Send your submissions for the next issue to iwarrior@uwaterloo.ca.
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The Iron Warrior is a forum for thought-provoking and informative articles published by the Engineering Society. Views expressed in The Iron Warrior are those of the authors and do not necessarily reflect the opinions of the Engineering Society.

The Iron Warrior encourages submissions from students, faculty and members of the university community. Submissions should reflect the concerns and intellectual standards of the university in general. The author's name and phone number should be included.

All submissions, unless otherwise stated, become the property of The Iron Warrior, which reserves the right to refuse publication of material which it deems unsuitable. The Iron Warrior also reserves the right to edit grammar, spelling and text that do not meet university standards. Authors will be notified of any major changes that may be required.

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UW Canada 150 & EngSoc T.O. Pride Parade

Continued from Page 1

Prominent Canadian politicians also made an appearance to show their support for the event and the community. Prime Minister Justin Trudeau and his wife Sophie Gregoire, First Nations National Chief Perry Bellegarde, Toronto Mayor John Tory, and Ontario Premier Kathleen Wynne were among the dignitaries marching through the streets. "It's all about how we celebrate the multiple layers of identities that make Canada extraordinary and strong," Trudeau told reporters before the parade started.

The Pride Parade in Toronto is an annual event that happens every June. The event is organized by Pride Toronto and celebrates the diversity and inclusivity of the LGBTQ+ community in the Greater Toronto Area. LGBTQ+ is an initialism that encompasses those who identify as lesbian, gay, bisexual, transgender, queer, and asexual, and the + alludes to all other sexual orientations, such as pansexual. The Pride Parade in Toronto is one of the largest cultural festivals in North America, made up of 22 city blocks, drawing in an estimated 500 000 to one million attendees for Pride Week and 100 000 people to the parade itself. Pride Toronto evolved out of the mass protests that followed the 1981 Toronto bathhouse raids, a raid by the Metropolitan Toronto Police against four gay bathhouses in Toronto, and was the second largest mass arrest in Canadian history. The day after the raid, 3000 protesters shut down Yonge and Wellesley with a march and a large, ill-tempered rally. A demonstrator that night said that the situation, "was not a gay issue, but a human rights issue." The City of Toronto proclaimed the first official Pride week in 1991, and in 1995 Toronto Mayor Barbara Hall established the tradition of



University of Waterloo, Engineering Society Media

The University of Waterloo Engineering Society Participating in the Toronto Pride Parade

the head of council marching in the parade. This streak was broken in 2011 by Mayor Rob Ford. With this year's theme of "+" (plus), the Pride Parade marches stronger than ever, overcoming financial difficulties and controversy.

There was controversy leading up to the 2017 Pride Parade which stemmed from the exclusion of Toronto Police Officers. On that day, the police officers stood guard as security, only watching over the procession. In January, the Toronto chapter of Black Lives Matter (BLM) presented a list of demands to the organizers of Pride to ban police from marching in the parade. BLM argued that by allowing uniformed officer to march in the parade, it could discourage marginalized communities from attending. This was the first time since 2000 that the Toronto Po-

lice have not marched in the Pride Parade. In response to the ban on police floats and uniformed officers, a group of Toronto police attended the pride parade in New York City. BLM did not register or officially participate in the parade but showed up towards the end chanting "Black Lives Matter" and holding signs that read, "May we never again have to remind you that WE built this," and, "May we never again have to remind you that we shut it down for all of us".

Over 150 groups attended the parade this year, and among the revelers, the University of Waterloo Engineering Society marched in solidarity, enjoying the fun-filled day of rainbows, bubbles, and tie dye. Most notably, for the first time in the University of Waterloo history, the President of the University, Feridun Ham-

dullahpur, celebrated in the Pride Parade alongside all the students, staff, and faculty. The Glow Centre for Sexual and Gender Diversity from the University of Waterloo celebrated in the streets of Toronto as well. The purpose of attending was to raise awareness of the centre and to celebrate such an exciting annual event for the LGBTQ community. The Glow Centre for Sexual and Gender Diversity is the oldest running LGBTQ+ student organization in Canada. GLOW has marched in every Pride Parade since its inception in 1981. The University of Waterloo is a diverse place and is made up many different types of students. To have the freedom to celebrate and include everyone is something to be proud of, good job uWaterloo! We hope to see you at next year's Pride Parade.

The Canadian Fleet

Space Cam



Both in this column and globally, organizations like NASA and the European Space Agency (ESA) tend to dominate the headlines. These organizations have large, expensive missions that are on the cutting edge of astronomy and space science. The Canadian Space Agency (CSA) does not have the same amount of money to throw around, unfortunately. However, Canadian scientists and engineers are still on the cutting edge of space exploration and scientific research. On the scientific side, an obvious example of this is the Sudbury Neutrino Observatory (not a CSA initiative), which recently earned Queen's University's astrophysicist Arthur McDonald the 2015 Nobel Prize for Physics. On the engineering side, the crowning glory of Canadian space expertise is the Canadarm, flown on 90 American space shuttle missions over 30 years.

The Canadarm was critical to a number of spectacular missions, like the securing of the space shuttle to MIR, the Russian space station, for a number of collaborations between the two nations. It was used to deploy the fantastically-successful Hubble Space Telescope, and then was instrumental in fixing a fatal optic flaw in the telescope that would have prevented any of its later illustrious career. The arm's successor, Canadarm2, is located on the International Space Station (ISS) where it serves as the general-purpose manipulator of the station. The Canadarm2 was used during the assembly of the station. Now it is used for ongoing ship observation and maintenance, and securing unmanned resupply vehicles like SpaceX's Dragon capsule. It can even inchworm around the station, gripping part of the station with its end while moving its shoulder to a new location.

Canada's space presence extends far beyond just these two examples of exemplary achievement. Many large, well known missions—like the Hubble-succeeding James Webb Space Telescope and Curiosity Rover on Mars—have Canadian contributions. However, even leaving apart these collaborative efforts, the Canadian space fleet, while small, is strong.

MOST

The Microvariability and Oscillations of Stars (MOST) is Canada's first space telescope. When it was launched in 2003, it was the smallest space telescope in the sky, a title it held until 2013. Despite its small size, MOST is able to perform useful scientific research; its small size means that there are fewer demands for it, and it can be used to study individual targets for up to 60 days at a time.

As the name would suggest, MOST is designed to carefully observe stars to sense very slight changes in their brightness. In particular, it can track sound waves within the star by observing the low frequency brightness variations they produce. This information closely correlates to the age of the star; as the star lives, it converts light hydrogen into comparatively heavy helium. The heavier helium propagates sound waves slower. This is the same principle by which inhaling lighter-than-air helium makes one's voice more high-pitched. MOST's sound wave data can be used to infer the amount of helium in the star, and therefore its age.

In 2010, the CSA terminated funding for MOST. Control of the telescope was transferred to Microsatellite Systems Canada Inc., the primary contractor for the program.

They have been selling use of the satellite for a number of purposes. For instance, in addition to scientific research, the probe is now available for use as a test probe for novel attitude control systems that might go into future space craft.

The BRITE Constellation

The BRITE constellation is a group of six "nanosats," as the CSA calls them. The classification is somewhat arbitrary, since these 20 cm-to-a-side cubes are larger than even the largest CubeSat "microsatellite" discussed in a recent "Space Cam." This constellation carries on the work of MOST, observing stars for minute changes in their brightness.

The constellation is a collaborative effort of Canada, Poland, and Austria. All six satellites were designed by the University of Toronto Institute for Aerospace Studies, and five were built there. Three of the satellites are sensitive to red light, and the other half to blue. Unfortunately, one of the two Canadian-funded satellites, BRITE-Montreal, was lost after it apparently failed to separate from the launch vehicle. The second satellite, which was on the same flight, was released successfully. This example highlights the advantage of the CAS's strategy of small—in the case of BRITE, tiny—satellites; the loss of any one satellite is frustrating, but not catastrophic to Canada's scientific output.

NEOSSat

The Near-Earth Object Surveillance Satellite, or NEOSSat, is a small satellite operated by the University of Calgary. This telescope sits in low-Earth orbit, dedicated to tracking asteroids and man-made debris. Both of these are important topics of research, not just for scientific reasons but practical ones as well.

The asteroids being investigated by NEOSSat are interior-to-Earth asteroids. These are objects that are incredibly difficult to see using ground-based telescopes because they are visible during daylight or twilight, where the sun prevents or limits scientists' ability to detect them. NEOSSat, being in space, does not suffer from this limitation, or other limitations like atmospheric noise and weather. As a result, although much smaller than the ground-based telescopes, it has a high potential to discover new bodies that might one day threaten to strike Earth.

The second half of NEOSSat's mission is to track space debris and other satellites. This is an important task because, thanks to the high-speed nature of any object in orbit, even small pieces of debris can cause a

massive amount of damage if they collide with a satellite. Satellite operators can use the data from NEOSSat, and a variety of other debris-seeking telescopes, to plan course changes away from possible impacts.

Cassiope

Cassiope is a two-part satellite, much like NEOSSat. The first part is the ePOP probe, which consists of 8 instruments designed to study space weather. In particular, these sensors study Earth's ionosphere, the highest level of Earth's atmosphere. This is an important region of research because solar weather can have a detrimental effect on various communication and satellite navigation technologies.

The second part of Cassiope is a proof-of-concept commercial payload called Cascade. Cascade is a high-volume data communication concept. Using just a small transmitter on a remote location like a seaborne ship or oil rig, a customer can transmit large quantities of data from the ground to Cascade at 1.2 gigabytes per second. Then, less than 90 minutes later, Cascade will pass within range of a ground station that can receive the collected data.

ePOP and Cascade are well-suited to work together in one satellite because they both require high-inclination (polar) orbits: ePOP to study the polar auroras that occur in the ionosphere and Cascade so that it can provide



CSA

The Two-Part Satellite CASSIOPE

its services to all points on the globe.

This is just a sample of the great work that CSA does to advance scientific research and engineering. For instance, it does not include the human space program, which is currently getting ready for a new series of astronauts, or all the funding that it gives to other, smaller programs like supporting university teams in creating CubeSats. This is, and rightfully should be, a source of pride for Canadians, letting them strut their ingenuity and technical prowess.

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Canadian Writers - 150 Years!

ALLEN CHEN
4A CIVIL

Most of us, when asked to name a few famous novelists, poets, or writers of any sort, would probably at least come up with a good handful off of the top of our heads. Rowling? Check. Hemingway? Check. Tolkien? Of course. Shakespeare? How could we forget? Orwell? Yessir. Dickinson, Huxley, Hugo, Elliott, Whitman, Lewis, Salinger, Steinbeck, Verne, Tolstoy, etcetera, etcetera. Those are just a few I could randomly come up with; the list could go on. Notice something about those names? None of them were Canadian. When I came to the realization that I had little to no idea how significant Canada's contribution to the world of literature, I did some quick research. Some writers I looked up actually wrote very famous novels in the last 50 or so years, but I had no idea that they were Canadian. So maybe I'm just a bit ignorant.

Since this is Canada's 150th year since confederation, I figured it would be suitable to have a brief article on some of Canada's most prominent writers of the last 150 years. Spoiler alert, no, I'm not going to have 150 writers in total. This isn't Buzzfeed after all.

In span of time between 1867 and the turn of the 20th century, Canada was very much overshadowed in the English literature world by America and the United Kingdom, and even non-English speaking countries like France and Russia.

English novelist H.G. Wells published his famous work *The Time Machine* in 1895, I guess you could say it's very much a timeless classic these days. You know what isn't as timeless? *The British Barbarians* by Canadian writer Grant Allen. Coincidentally, the plot of *The British Barbarians* also

deals heavily with the concept of time travel. Coincidentally, this novel was also published in 1895. However, this book has been essentially forgotten since publication. Grant Allen was also a strong supporter of Darwin's theory of evolution, so that's something to keep in mind when reading his works. Also a supporter of feminism, Grant Allen wrote a novel entitled *The Woman Who Did*, about a middle-class woman who, by deciding not to marry and making a life for herself, defied the traditions and conventions of then-19th century Britain. It caused a good deal of controversy upon publication, and was made into a few silent films in the following decades.

Many know of *Anne of Green Gables*, written by Lucy Maud Montgomery. The series was published in 1908, and put Prince Edward Island on the map. For her significant contributions, Montgomery received the Order of the British Empire. Montgomery's works, particularly *Anne of Green Gables*, are famous worldwide. Montgomery would probably be one of the first writers to come to mind for more well-versed readers of Canadian literature, and will definitely be one I'll recall more often in the future.

Many may have also heard of the Hardy Boys series about teenage brother detectives who solve mysteries of various sorts. The series is famously attributed to creator Edward Stratemeyer, but the majority of the early volumes were in fact, written by a ghostwriter, Canadian novelist Leslie McFarlane. McFarlane later spent the rest of his career freelance writing and making various short films, documentaries and television spots, some of which were Academy Award nominated.

Le chandail de hockey, or *The Hockey Sweater*, was a short story written by Roch

Carrier. It tells the tale of a good old boy from Quebec (apparently Carrier himself) who just wanted a Montreal Canadiens jersey, but instead, received a Toronto Maple Leafs jersey. The rest of the story essentially describes how embarrassed he is to have to wear a Leafs jersey in public, and all of his friends making fun of him. In my opinion, this is the most realistic and relevant part of the story to modern hockey. But all trash-talking aside, *The Hockey Sweater* is actually a very famous short story that condenses the history and social implications of the French-English divide in Canada, combined with our national passion for the sport of hockey. Many of us may now recall actually read this as part of our education in primary school. Roch Carrier is one of the most famous Quebecois writers in English Canada.

Margaret Atwood is one of those writers that have done so much that it's kind of difficult to really pick one or two "most significant" achievements. Atwood has essentially done it all in terms of literature. Famous for not just novels, but poetry, essays and political activism, Atwood has received countless accolades for her works. Atwood actually wrote a book on Canadian literature, *Survival: A Thematic Guide to Canadian Literature*, which discusses in detail what Canadian identity is, and how literature helps to define it. This is the go-to author if one is in a very "Canada 150" mood for finding a new book to read.

In recent years, *Life of Pi* has garnered much international attention and success. The novel tells the tale of Pi Patel, shipwrecked, and stranded in the middle of the Pacific Ocean on a lifeboat with a just a tiger named Richard Parker for company. *Life of Pi* was written by Yann Martel, a Canadian born in Spain, raised

all around the world, spending most of his time in Canada. Interestingly, Martel's first language is French, but he preferred to write *Life of Pi*, and most of his other works, in English.

The subject of slavery may not be as prominently discussed in Canada compared to say, the United States. In *The Book of Negroes* by Lawrence Hill, the life and journey of a slave, brought over from Niger, West Africa to labour in the fields of South Carolina, and eventually back home across the ocean, this time as a free person again. The novel was largely famous in Canada, and interestingly, was published under a different title in the United States, Australia and New Zealand as *Someone Knows My Name*. Lawrence Hill recently received the Order of Canada for his work. Prior to writing *The Book of Negroes*, Hill travelled to West Africa for social activism volunteer work, and continues to do so to this day.

Did you know that a Canadian writer has won a Prize in Literature? Alice Munro knows, because she won it, in 2013. Munro has set the bar for modern short story writing, often praised for her unique non-linear time structure in storytelling. So, I guess one could say Munro is the Quentin Tarantino of short story writers. Many of Alice Munro's works are set in the same area, Huron County in Ontario, which happens to actually be quite close to Waterloo, and is worth the day-trip or weekend visit.

I hope this brief outline of a few prominent Canadian writers of the last 150 years has helped in some way in sparking interest for reading into a few underrated hidden gems. It's not perfect, and I'm sure I have left off a deal of more significant writers. Here's to another 150 years of great Canadian literature!

Canadian Regiment Takes Up Spot in Queen's Guard

150 Years of Canada & Invitation by the Queen

NICK OWENS
1B MECHANICAL

This year's Canada Day, as you might know, is the historic 150th anniversary of the country, and the celebrations have spread their way to the Canadian Armed Forces.

The past week has proven to be a historic occasion not just for the civilians across Canadian soil, but also for the Canadian Armed Forces across the pond in the United Kingdom. Recently, Her Majesty Queen Elizabeth II invited a Canadian Regiment to take up the role of the Queen's Guard for select dates before July 3rd. Usually, this role is specifically reserved for members of the British Military, but an exception was made due to the landmark anniversary. This particular event marks multiple historic events and is a reminder of both the origins of Canada as a British colony as well as the role that Canada and the United Kingdom have played in each other's history.

On June 26th, 40 Canadian soldiers of the 2nd Battalion, Princess Patricia's Light Infantry were selected to take their place around Buckingham Palace, bearing with them the Canadian flag while carrying out the Changing of the Guards, a tradition that has been held since the 1800s. Another historical event was marked as Captain Megan Couto became the first female officer in history to command the Changing of the Guards Ceremony in the entire 180-year history that this event has taken place. The primary reason for this was due to the fact women were banned from front line infantry positions in the British Military up until 2016, meaning



Macleans

Captain Megan Couto of the 2nd Battalion, Princess Patricia's Canadian Light Infantry (PPCLI), the first female to lead the Queen's Guard. PPCLI took up a spot in the Queen's Guard after invitation from Her Majesty Queen Elizabeth II as part of Canada's 150th anniversary of Confederation

that most, if not all guards up until this point, have been men. With a different policy regarding female soldiers, issued at an earlier date in time, the Canadian Armed Forces have involved women in many positions that would make them suitable for the job.

This occasion serves a point of reflection for Canada. Only 150 years ago, Canada

was only a colony of the United Kingdom. The Canadian Military and the British Military were one and the same. Even after confederation, the United Kingdom still had a great influence over the country. This occasion serves as a symbol of how Canada has developed over its one hundred and fifty year history.

Recently, the 100th anniversary of

the Battle of Vimy Ridge was marked, a turning point in Canada's progress towards autonomy and the first battle fought exclusively by the Canadian armed forces. Now, with another hundred years of history, the United Kingdom has invited Canadians to participate as part of the Queen's Guard, not as subjects, but as allies.

Halfway There

(But The Moment Keeps On Going)



ABDULLAH BARAKAT
PRESIDENT

Hello friends! Thanks for tuning in for another update from your ever-excited EngSoc President, me! A lot has happened since my last article, so here we go:

JAGM

The EngSoc Joint Annual General Meeting happened on June 24th, and it went really well! We had the highest attendance that we've ever had at our general meetings, and a lot got done! We elected a new Board of Directors for the 2017-2018 year, we voted on a new mural that will be going up in the EngSoc Office, and we passed a lot of changes to our constitution (including an increase in the EngSoc fee from

\$15.90 to \$16.15 in order to account for the increase in inflation). It was a very productive and very efficient meeting, and it puts EngSoc in a really good position moving forward.

Since this summer has been all about celebrating the Tool's 50th Birthday, and so the Tool's presence has been everywhere! As of this article, the Tool has been at ESSCO AGM, The Tool's 50th Birthday Party, The Toronto Pride Parade, and The UW Canada Day Celebration. But wait, there's more! The Tool will also be at Semi-Formal this Friday (July 7th), it will be at Engineering Day on July 14th, and at the last council meeting of this term on July 19th. Also, the Tool's Birthday SCUNT is still a thing! There have been 4 people who have earned their purple hardhats so far, meaning that there is one left! The SCUNT will be going on until July 14th at Engineering Day, at which point I will be awarding the winners with

their hardhats. To participate, please go to bit.ly/SCUNT_S17.

Engineering 101

On July 8th, the Faculty of Engineering is hosting 'Engineering 101', which is an event that wherein the incoming Engineering class are invited to spend the day on campus and attend some sessions hosted by faculty, staff and students in order to help them with their transition into university life at Waterloo. As Engineering Society Presidents, myself and Rachel Malevich will be helping with the opening and closing ceremonies of the event, as well as various aspects of the day. On top of that, Rachel and I have been tasked with helping run International Orientation, which is a 3 day event that happens just before O-Week in the Fall and is intended to help the incoming international students settle into their new lives in Canada.

ENGSOCS Services

In other news, I will be having a meeting with Peter Douglas, the Associate Dean of Undergraduate Studies, next week in order to work on my goal of expanding the EngSoc services to make them more relevant to today's engineering students. I have also been working with the 3 departmental societies within Waterloo Engineering (CESS, NESS, CEGES) in order to determine how EngSoc could further support them moving forward, and they have been very open to working with us! In some non-EngSoc news, I will be working on creating the official procedures for the Committee of Presidents within FEDS in order to make sure that we are best representing students' interests, and that we are able to make a more significant impact on student life on campus. More on that to come soon.

That's it for me, I'll catch you guys next time ;)

Ludent Stife

(Extra Special Canadian Edition)

MARIKO SHIMODA
VP STUDENT LIFE

What's up pals! Lots of fun has been happening around here! It has been a big week for outreach.

Toronto Pride

Last Sunday we marched in the Toronto Pride Parade! We had an amazing time marching in Toronto with our home-made tie-dye shirts, new and old friends from other engineering schools, and of course, THE TOOL! And we all made it back safely to Waterloo! Check out pictures from the parade on our Facebook page!

Canada Day Festivities

This Canada Day we joined the UWaterloo Canada Day festivities by hosting several games AND a water slide for the kids of the community.

We also ran a sick bubble soccer tournament on the CIF Field, courtesy of our athletics directors, and an intro to soldering workshop, courtesy of WiE.

SemiFormal

COMING UP we have our huge semi-formal party happening on Friday at the Turret Nightclub. It's going to be an amazing time, pick up your tickets in the Orifice or online at our store: squareup.com/store/engsoc-a/. Every-

one is welcome, tickets are \$10 for all!

Tickets are also available at our store for ENGPLAY: PLANET OF THE ARTS! This play is going to be amazing; the directors, cast, and crew have been hard at work, so come check out what they have for you! Tickets are \$7 each or 5 for \$30! Absolutely everyone is welcome to EngPlay; whether you're in engineering or not, there will be a laugh for everyone!

We are also still selling tickets for our Beach Day trip to Grand Bend, and those are going very fast. We also are looking for volunteer sign ups for our second trip to volunteer at the MUSEUM in Kitchener! Check out the Facebook

event pages for more detail.

Compost is also still available in POETS! It is being emptied regularly, so don't be afraid to use it! Spread the word and help reduce landfill waste one apple core at a time!

In terms of what I have been working on, I am looking to collect all the feedback I can on how our events have run and are marketed. You can find feedback forms for each event on the event Facebook pages, or just shoot me an email at vpstudentlife.a@engsoc.uwaterloo.ca. I would love to hear more about what your experience with EngSoc events and services, in order to improve them for all students to come!

Upcoming Events Calendar

Wednesday July 5	Thursday July 6	Friday July 7	Saturday July 8	Sunday July 9	Monday July 10	Tuesday July 11	Check out up-to-the-day event postings on the EngSoc website at engsoc.uwaterloo.ca/event-calendar/
Council Meeting 4 5:30PM - 7:30PM	Charity Grilled Cheese 11:30AM - 1:30PM Life Skills Workshop #4 6:00PM - 7:00PM	Semi-Formal 8:00PM - 12:00AM	SOE Backup	Beach Day 9:30AM - 6:00PM	EngiQueers 6:00 PM - 9:00PM	Games in POETS 3:00PM - 7:00PM Nature Hike 5:30PM - 7:00PM	
Wednesday July 12	Thursday July 13	Friday July 14	Saturday July 15	Sunday July 16	Monday July 17	Tuesday July 18	
Euchre Tournament WiE Wednesday 5:30PM - 7:30PM	Charity Pancakes 11:30AM - 1:30PM Let's Talk About Mental Health	Engineering Day 11:00AM - 1:00PM EngPlay Presents: Planet Of The Arts	EngSoc goes to the Museum Round 2 9:00AM - 4:00PM EngPlay Presents: Planet Of The Arts	Beach Day Backup	EngiQueers 6:00 PM - 9:00PM	EngProv 5:00PM - 6:00PM Genius Bowl 6:30PM - 9:30PM	

Some Updates, Some Up in the Air

PAT DUONG
VP ACADEMIC

As usual, lots of things happening with academic and co-op related issues and I'm looking to hear back from y'all about your thoughts:

WaterlooWorks Feedback!

Submit your opinions here: bit.ly/WaterlooWorksFeedback

At the time of writing this article, there were 300 submissions to the Feedback Survey, over 137 of which were from Engineering students! We've opened up the survey to other faculties, so that they too can contribute their views on WaterlooWorks as well. Keep the feedback coming!

By the last council meeting, I'll be putting together a preliminary summary of the results of the Engineering input. Based on the frequency of common feedback, we can help determine what the biggest pain points in the system are and urge CECA to prioritize those. With that, I will be working with CECA's WaterlooWorks team and my fellow VP Academics/Education across

campus to determine what students want collectively and what changes can be made easily and may take longer to implement but are important to change.

Also, continue to check out CECA's feedback response that they'll update on a (hopefully) monthly basis that addresses some of the most common pieces of feedback (e.g. opening multiple tabs, ranking links being at the bottom of the dashboard, : <https://uwaterloo.ca/co-operative-education/waterlooworks-news/waterlooworks-feedback-response>

And if you're curious, you can check out this term's employment statistics after the end of main round here: <https://info.uwaterloo.ca/infocecs/students/statistics/index.php>

WatPD

Although behind a log-in wall, check out the results to the WatPD survey: <https://www.eng.uwaterloo.ca/~watpd>. Many of the results are as expected, reflecting what many of us as students anecdotally complain about as some of the shortcomings of WatPD, the level of motivation most students have while

completing the courses and the methods that students typically use to pick their PD electives. Professor Dan. Davison, Acting Academic Director of WatPD-Engineering, has a goal of being able to determine conclusions and actionable items by the end of the 2017 calendar year with the WatPD Eng group with representatives from each department as well as the EngSoc VP Academic as the student voice. Over the Fall term, we will put together our recommendations based on the outcome of the survey to shape the future of the WatPD course in hopes of making the program more meaningful for students. While that is happening, we'll also be looking for student input, so stay tuned!

Teaching Awards

Thank you to all those who submitted nominations for the EngSoc Teaching Awards that happen every term. The results will be out by the final Iron Warrior issue.

Just a reminder that if your class has a great TA, also nominate them for the Sanford Fleming TA award instead at <https://uwaterloo.ca/sanford-fleming->

foundation/teaching-awards!

Exam Bank

After reaching out to our faculty and to other VP Academics, I'll be putting together a summary of my findings about the relationship between exam banks, students and professors/faculty. Talk to your class reps after the July 5th council meeting and make sure your class makes an informed vote during the last council meeting about exam bank access. More info to come!

Co-op Student Policy and Rights

Currently FED's VP Education, Andrew Clubine is helping continue and start some initiatives around co-op regarding the creation of a co-op student policy, the determination of co-op student rights and starting a year long investigation into the somewhat mysterious co-op fee that we pay (which doesn't go towards WatPD at all).

That's all I have this time for updates. Let me know your thoughts at vpacademic.a@engsoc.uwaterloo.ca. Ta for now!

Opportunities Beyond Waterloo

STEVEN JIA & CELINE O'NEIL
VP COMMUNICATION

Wow, can you believe it's almost July? The summer solstice has passed, midterms are (mostly) over, and finals will be upon us in a month. I knew spring terms flew by, but this one feels like it's going by particularly fast.

For this issue, I want to do a spotlight on the external opportunities that are available to Waterloo Engineering students. Some of them are really, really cool, so make sure to check them out! The list includes: engineering competitions, engineering courses in Europe, student leadership roles in ESSCO, student leadership in the CFES, and conferences!

As you may know, EngSoc runs the Waterloo Engineering Competition (WEC) twice a year—once in the Spring term and once in the Fall term. There are four competitions within WEC that EngSoc is responsible for: Junior Design, Senior Design, Consulting, and Programming. The Sanford Fleming Foundation also runs the Parliamentary Debate, Technical Communication, and Innovation competitions. Now, how is any of this relevant to external opportunities? Well, what you might not know is that WEC is a qualifier competition for the Ontario Engineering Competition (OEC), which is in turn a qualifier competition for the Canadian

Engineering Competition (CEC)! If your team competes and wins at these competitions, you get to advance to the next competition and participate free of charge! Competitions are a great way to practice your technical skills, meet other engineers, travel to a different city in the province and/or country, and potentially win some prizes.

So what's this about studying in Europe? Yup, you heard right: there are courses offered by technical universities in Europe that are open to Canadian engineering students—that means you! The Board of European Students of Technology (BEST) is a continent-wide association in Europe that provides communication, cooperation and exchange possibilities for students all over Europe. One of the perks that they offer is the chance to study technical topics like green technology, artificial intelligence, water treatment, energy systems, the Internet of Things, and many, many more at host schools located in Europe. Courses are typically 1-2 weeks long, operate in English, and are offered for the summer and fall. Locations range from France to Portugal to the Czech Republic to Greece to Iceland! And the best part? They're basically free!!! The most expensive course only charges around 40€ (\$60 CAD) and all courses include lodging, 3 meals per day, and in-country transportation. If this is something that

interests you, please check out the BEST website or contact the CFES International Relations Commissioner at irc@cfes.ca! Fall 2017 courses can be found here.

Next: ESSCO and CFES. I've mentioned what these cryptic acronyms stand for in my past articles and at Council meetings, but just in case you didn't know, ESSCO is the Engineering Student Societies' Council of Ontario and CFES is the Canadian Federation of Engineering Students. They represent engineering students to other professional bodies on a provincial and national level, respectively. So how can you get involved? ESSCO offers several director positions that any Ontario engineering student can apply for. If you want, you can also run for an ESSCO executive position at the Annual General Meeting that is held once per year. For the CFES, you are similarly eligible to apply for commissioner positions with portfolios ranging from media, to admin, to corporate relations, to international relations. You can also run for a CFES executive position at Congress, which is also held once per year. If these roles sound like too much of a commitment for you, both organizations often also have working groups on current hot topic issues that you can be a part of to provide your input. Please email at vpcomm.a@engsoc.uwaterloo.ca to see

what opportunities are available now or in the near future.

Finally, conferences! At this point, you might be a bit sick of hearing me talk about how cool conferences are, so have a read on our conference <http://www.uwengconferences.ca/blog> or hear about it from our delegates yourself by watching this <https://www.youtube.com/watch?v=BLuXK2g3kAo&feature=youtu.be>! Beyond the fact that conferences always provide many useful sessions that aid in your personal, professional, and leadership growth, they are also perfect opportunities for meeting fellow students from across the province and country, and for learning about engineering culture at other countries. The conferences that you can attend are: PEO Student Conference, Conference on Diversity in Engineering, First Year Integration Conference (only if you're a first-year), CFES Congress, and ESSCO Annual General Meeting. For more info on each of these conferences, check out their descriptions <http://www.uwengconferences.ca/conferences.html>.

This was an extremely long article, but I hope you found (at least some of) the info useful and will take advantage of these opportunities. Like always, visit me in the Orifice or shoot me an email if you have any questions. Till next time!

The Once and Future VP Operations and Finance

(EngSoc Fees, Keychains, And C&D!)

MICHAEL BEAUCHEMIN
VP OPERATIONS AND FINANCE

Hello devout IW readers, thanks for checking in once again this term to "listen" to me update at you. There have been a few interesting developments lately, especially with respect to JAGM, and the new motions passed there. Hopefully everyone is well rested after the long weekend, and I sure hope y'all enjoyed your Canada day, whether in celebration or just as a good Saturday!

Let's start with that, then. At JAGM (the Joint Annual General Meeting),

members of both societies gathered to vote on the motions put forward this year, some of which I mentioned in my last article. The EngSoc fee motion to increase the EngSoc fee to 16.15 was passed. The title of VP "Operations and Finance" was reverted to VP "Finance" for the next election cycle. And the joint Societies took a stance to eliminate disposable water bottles from the C&D (Coffee and Donut Shop found in the CPH foyer).

Follow-up on Tool Keychain bottle-opener: The cost to y'all would be \$15 so I'm gonna scrap the idea, and instead

see if we can optimize what we had before.

Follow-up on Coveralls: For those who ordered covies, updated estimated arrival date is July 20th.

I will no longer be reaching out to the local sex stores for deals as they already offer 20% discounts for students (use this information wisely). Instead, I'm hoping we can get a deal with Urban Bricks, and I'm also going to approach Showerma Plus once it opens. I'll let you know if I have any good news.

A patch design was selected! The Ti-83 Send Help design by Elizabeth Miller

won by majority vote, so I'm going to be seeing what I can do about getting that into Novelties. Stay tuned for more info.

I presented to WEEF last Wednesday night for more sponsorship for the E7 C&D. I asked for \$4000 for a fridge, so *fingers crossed* we'll get full funding on that.

Unfortunately, the past couple weeks have been pretty quiet for me, so I don't have anything more to share with you guys. Go out and enjoy the summer weather! I started reading the Name of the Wind, by Patrick Rothfuss and I LOVE IT.

It's Time To Have Your Say

A Message to the students

PAT DUONG,
VP ACADEMIC

JEFF GULBRONSON,
OLA SUCHON,
COURSE CRITIQUE DIRECTORS

GORDON STUBLEY
ASSOCIATE DEAN TEACHING

Hey engineers, it's that time again! (Yes it is!) The Faculty of Engineering course evaluation period opened yesterday (Tuesday, July 4) and will close Friday, July 14. Your professors and instructors will be asking you to give feedback on your learning experiences, and we're asking you to take those requests seriously.

The Course Critiques

Course evaluations, known as Course

Critiques in Engineering, are a key mechanism in getting student feedback. Instructors use scores and written comments to help improve their courses and their overall teaching. Chairs and Directors use scores to make hiring and promotion decisions. The feedback of past students has informed the learning experiences you've encountered in your program, and your feedback this term will have an impact on the learning experience of future engineers.

Engineering will again be using UW's course evaluation platform, Evaluate (which can be found in the following link: <https://evaluate.uwaterloo.ca>), for the majority of your course evaluations.

Of the 16,524 questionnaires being generated this term, only 413 are paper; that's 16,111 paper questionnaires and 253 envelopes & instruction sheets that we don't have to consume, and that's

amazing!

The electronic system is the first step toward a new comprehensive evaluation system that will provide instructors of varied course components – labs, projects, seminars, lectures, team-taught, online and other types of courses – with meaningful student feedback.

We anticipate the introduction of a new set of core questions that are applicable to all course experiences plus additional question sets that are specific to different teaching modes. This will give instructors of all types of courses an instrument for gathering valuable student feedback.

Last Year's Response Rate

Last fall, A-Soc achieved an incredible overall response rate of 66%, which was higher than the average

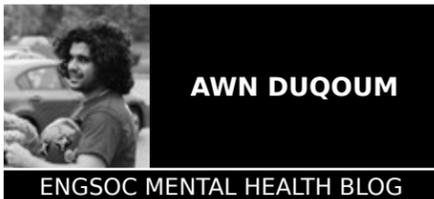
rate for the previous 13 years, and much higher than the 58% achieved by B-Soc in winter 2017! We'd love to see that momentum continue – if we can maintain these high response rates, paper evaluations will definitely remain in the past.

From now until July 14, students will be given class time to complete Course Critiques electronically. Make sure you find out from your professors when you'll be given class time so that you can bring your web-enabled phone, tablet or laptop to class, and take Evaluate for a spin.

**Please complete all of your
Course Critiques – future
engineers are counting on you!**

A Message From The President

MHA Blog



AWN DUQOUM

ENG SOC MENTAL HEALTH BLOG

Earlier this term, MHA directors approached Feridun Hamdullahpur, the President and Vice-Chancellor, to speak about mental health and its importance.

In addition to running this blog, the mental health awareness directors also run Post Secret every term. This is a service where people can submit short anonymous secrets, confessions, or just about anything they want to get off their chest. We write them out and stick them up on a wall for everyone to see. You can submit a secret here: <https://goo.gl/ATnDFX>

If you have a story to tell or are interested in being featured on the blog, email us at engsocmha@gmail.com.

The topic of student mental health is part of a very important national conversation. There are young people in crisis and those struggling to cope in communities and on campuses across this country.

The issue of those who are struggling who are not able to or cannot reach out for help and the consequences that can result may be national, but it is personal for so many of us at Waterloo, particularly in light of recent tragic losses on our campus that we continue to mourn.

I have expressed our university's commitment to talk about student mental health, to help remove the stigma around this issue, and to increase awareness around access to the services that are available for our students. I commend the initiative EngSoc has shown to keep the conversation going by launching the Engineering Mental Health blog.

People on our campus and the broader community have communicated to me their desire for decisive action regarding student mental health and the University's response to our students' concerns. So, in the spring, I announced the creation of the President's Advisory Committee on Student Mental Health (PAC-SMH). Chaired by Walter Middlestaedt, director of campus

wellness, it held its first meeting in May.

The members of the advisory committee are:

- Antonio Brevia, Federation of Students
- Beth Keleher, graduate student, Psychology
- Vanessa Lam, Graduate Students' Association
- Alex Piticco, director, student development and residence life, housing and residences
- Chris Read, associate provost, students
- James Rush, dean, Faculty of Applied Health Sciences
- Nikki St. Clair, undergraduate student, Political Science
- Paul Ward, associate professor, Electrical and Computer Engineering

The terms of reference are available for you to read on the PAC-SMH website. Among other responsibilities or accountabilities, the advisory committee will examine the root causes of student stress, anxiety, and depression. In addition, it will seek to identify proactive approaches to mitigate them. It will connect with experts, other institutions, and our neighbours in the community to gather information, to listen, and to help guide the process that will bring needed improvement. This conversation requires many voices and viewpoints, and we will listen.

Among other responsibilities or accountabilities, the advisory committee will examine the root causes of student stress, anxiety, and depression.

As such, expert panels are going to support the advisory committee. There are five of them: Mental Health Experts, Student Services, Community Partners, Academics, and Student Experience. The selection process for panelists is underway. Once the panels are in place, the advisory committee will provide them with questions to assist exploration and further discussion.

I have no doubt that the expertise and

experience within our reach, combined with an overwhelming commitment to bring positive change for our students, will result in the exchange of useful information and valuable ideas. On an ongoing basis, each expert panel will share information with the advisory committee, which meets every two weeks until December. I anticipate its final report in the fall of 2017.

I wish to take this opportunity to thank all of the contributors to the PAC-SMH for the important work they have begun to make Waterloo more attuned

to the care and compassion we feel for our students.

And to the students of Waterloo, your health and wellbeing is our most important priority. We will continue to work together with you and for you.

Feridun Hamdullahpur

President and Vice-Chancellor

Editor's Note: This article can also be found on the Engineering Society's Mental Health Blog Site along with previous blog entries and stories. <https://medium.com/mental-health-uwaterloo/a-message-from-the-president-19427b51187e>

What's This? Trump Slump

Damnit Donald



Besides a minor reference to our Prime Minister, here is your exception to the Canadian theme of this issue. This update has its own theme of anti-Islamic sentiments, which has been a surprisingly quiet topic in recent months.

Trump Meets His Soulmate

India's Prime Minister Narendra Modi was in Washington early last week, and appeared to become fast friends with Donald Trump. The bromance is real: their dialogue consisted of mutual praise and multiple hugs.

Modi praised Trump's "vast and successful" business experience, and invited his daughter, Ivanka, to a conference of entrepreneurs. Trump called him a "true friend", and said, "We agree on most things and I would say by the end of the day we'll agree on everything," which is an interesting statement considering the number of unaddressed topics throughout the course of the meetings.

There was no mention of climate change, on which the two leaders have opposing views. Trump recently pulled out of the Paris agreement, which Modi supports. Combating climate change is a vital issue in India, as much of their population is poor and subject to extreme weather conditions including heat and drought.

Their similarities include platforms built on hate, nationalism, and empty rhetoric. Modi's Make in India initiative parallels Trump's Make America Great Again. They also share a passion for social media, as world leaders with two of the largest Twitter followings: Trump has over 32 million followers, and Modi has almost 31. Trump even called attention to this, saying "I am proud to announce...that Prime Minister Modi and I are world leaders in social media." What an accomplishment to be worth mentioning.

They also share anti-Islamic sentiments. Modi was denied a US visa in 2005 as a top official over suspicions regarding his role in religious riots in his home province of Gujarat, resulting in the deaths of over 1000 Muslims. After becoming prime minister in 2014, he has visited the US four times, as Obama overturned this during his administration.

The military relationship of the two countries is complicated. India is the world's largest importer of weapons, and the US is the largest seller, leading to an obvious conclusion. However, the US would like to treat India like a "major defense partner", in the Obama administration's words, while "continuing our cooperation with Pakistan". Basically, they want to stay on everyone's good side. Just before the trip, India signed a \$2bn arms deal to buy twenty-two American drones – a deal made more disturbing when considering the number of Indians living in poverty.

There also seemed to be some passive aggressive comments directed toward China throughout the meetings. Trump is currently frustrated with Chinese President Xi Jinping's lack of action with putting pressure on North Korea to curb its nuclear program. India seemed to take advantage of this situation by competing for Trump's favour in the region. Walking the line between competing countries is a delicate business – it's too bad Trump has no sense of diplomacy.

They have also agreed to work together to combat terrorism.

Travel Ban

On Monday, June 26, the Supreme Court voted to partially lift the injunction on the travel ban President Trump attempted to implement early in his presidency, refusing entry to people from six Muslim-majority countries – Iran, Libya, Somalia, Sudan, Syria, and Yemen. This also includes a 120 day ban on refugees.

However, this does not apply to "foreign nationals who have a credible claim of a bona fide relationship with a person or entity in the United States." The Court further clarified that a bona fide relationship includes someone coming to visit or live with a family member, a university student, an individual employed by an American company, or an invited lecturer; it does not include "someone who enters into a relationship simply to avoid [the ban]."

Trump had said the week prior that this will come into effect within seventy-two hours of court approval.

While Trump said that, "Today's ruling allows me to use an important tool for protecting our nation's homeland," immigration lawyers have said the limited nature of the ban means this is not much of a victory for Trump. This exception vastly reduces the number of people who can be affected.

However, there is still concern as to how this order may be interpreted and applied.

Trudeau's government said it is waiting for more details, but a spokesperson for the Immigration Minister said dual nationals traveling on a Canadian passport would not be affected.

The Supreme Court has a 5-4 Conservative majority, since Trump's nominee joined the bench in April. Three of the conservative judges – Clarence Thomas, Samuel Alito, and Neil Gorsuch – have said they would have allowed the full ban to go into effect. Thomas' reasoning that national security outweighs hardships experienced by people turned away at the border echoes Trump's sentiments. He has said this ban is necessary following terrorist attacks across Europe, saying, "As president, I cannot allow people into our country who want to do us harm." Critics have called this ban Islamophobic, because it targets Muslim-majority countries. In addition, Trump has a history of anti-Islamic comments.

The first version of the executive order was signed on January 27. It included Iraq in the list of countries, and included a full ban on Syrian refugees, sparking mass protests at American airports. This was blocked eight days later by a federal judge in a ruling upheld by the Ninth Circuit panel.

The "watered down, politically correct," revised version of the order was signed on March 6, and struck down by federal judges in Hawaii and Maryland within a couple days.

The court will make a further decision regarding the rest of the ban's stipulations in October, after fully considering both sides of the argument.

Ramadan

This Ramadan, the Muslim month of fasting which spanned most of June, passed almost unnoticed by the Trump administration, breaking a twenty year tradition.

Hillary Clinton introduced the idea of holding an Eid dinner, which is the celebration following the month of fasting, in 1996 when she was First Lady. It be-

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came an annual tradition to host either an Eid dinner or an iftar, which is the sunset meal during which Muslims break their fast, in a reception attended by American Muslim leaders, diplomats, and legislators. George Bush hosted an iftar every year of his two terms, including after 9/11, as did Barack Obama.

According to Reuters, US Secretary of State Rex Tillerson refused a recommendation from the State Department's office of religion and global affairs to hold an Eid reception.

While Trump did release a statement on Eid, signed by himself and Melania, it was not posted to his social media. The statement read: "On behalf of the American people, Melania and I send our warm greetings to Muslims as they celebrate Eid al-Fitr.

"Muslims in the United States joined those around the world during the holy month of Ramadan to focus on acts of faith and charity. Now, as they commemorate Eid with family and friends, they carry on the tradition of helping neighbours and breaking bread with people from all walks of life.

"During this holiday, we are reminded of the importance of mercy, compassion, and goodwill. With Muslims around the world, the United States renews our commitment to honour these values. Eid Mubarak."

The first iftar was hosted by President Thomas Jefferson in 1805 for a Tunisian ambassador.

Healthcare Bill

Two weeks ago, the Republican party released a draft of the healthcare legislation to replace the so-called disaster which is Obamacare, which was a promise central to Trump's campaign.

Last Monday, the Congressional Budgetary Office (CBO), which is a nonpartisan office, released a report reviewing the legislation, in which they predicted 22 million Americans would lose their health insurance over the next decade, with 15 million of them uninsured by 2018.

They also said it would reduce the budget deficit by \$321bn in the next decade.

The White House attacked their credibility – typical – responding that, "The

CBO has consistently proven it cannot accurately predict how healthcare legislation will impact insurance coverage."

Moderate Republicans will be under pressure from their constituents to vote against it, because insurance premiums are expected to skyrocket in the first two years, and especially because Americans on Medicaid, a public health program for disabled and lower income individuals, will see a 26% reduction.

Democrats are also unlikely to approve it.

Senate Majority Leader Mitch McConnell wanted to push this bill through the Senate before the July 4 recess; for this he needs 50 votes, so he can only afford to lose two votes from their 52-seat Republican majority. However, there is opposition from five people, and, "If you are on the fence...this CBO score didn't help it, so I think it's going to be harder to get to 50, not easier," according to Senator Lindsey Graham.

Senators Susan Collins, Ron Johnson, Rand Paul, Ted Cruz, and Mike Lee have said they won't approve the procedural model needed to clear the way for a vote. Paul said it would be worse to "pass a bad bill than to pass no bill."

After the report's release, they added a penalty for people who have a gap in coverage. The purpose in this is to help the insurance market by forcing healthy people to buy health insurance.

Ironically, Trump called the House's healthcare bill which would cause 23 million to lose insurance "mean"; Senator Chuck Schumer, the Democratic leader, said, "CBO's report today makes clear that this bill is every bit as 'mean' as the House bill."

The Wall

Last Tuesday, the Customs and Border Protection (CBP) agency said that a bidding process is currently underway for construction of the Mexican border wall. Rival prototypes should be built by September.

In a speech last week, he proposed that this could be a "solar wall", generating energy by putting solar panels on the border wall.

Seams Unusual: Start-Up Alternative Fashions



TAYLOR LINDBLAD

SEAMS UNUSUAL

Welcome back to Seams Unusual, where interesting and uncommon alternative fashions are handed the spotlight. Each issue will delve into the distinguishing features of the unique style, a short history on how the fashion was born, and tips on how you can start putting together your own alternative outfit.

In this fourth installment of the series, a couple of examples of the teeniest, the tiniest, the least-known alternative fashions will be given their minute of fame. They are both quite unique and quite cute styles that I have stumbled upon during my usual web-research and style-scouting sessions. In honour of Canada's historic 150th anniversary, the first style is a wholly Canadian creation, born from the fancy of a young lady from PEI – a style she coined as “party kei”. The second is the whimsical and starry-

or 90s slumber party. If the loud, bright colour palette and rainbows weren't enough, this style also adds glitter in all forms: from holographic materials, to sequined details, and even loose glitter and faux jewels sprinkled across the cheeks like freckles or under the eyes. Party kei really emphasizes the “party”, making use of motifs such as cake, balloons, confetti, candy, streamer-like ribbons, and kitschy party favours. The creator of the fashion herself seems to favour garments such as platform shoes, windbreakers, and denim jackets. While there is no set silhouette or method for this fashion, it usually follows the rough guidelines of having bright colours from head to toe (hair, makeup, clothes, and accessories!), wearing glitter under your eyes, and mixing fabric textures such as faux furs, organza, and holographic material. It's a little bit kitsch, a little bit 90s, a little bit “cult party kei”, and a lot of celebration.

Interestingly enough, dreamling fashion is quite similar to party kei in a lot of aspects, but gives off a completely different vibe. It carries over the same use of organza and chiffon layers,



Nox Meriil

The Creator of Dreamling Nox Meriil (Left), better known by her Youtube Channel Name Peculiar

eyed “dreamling” fashion, a nearly-extinct product of the imagination of one of our American neighbours.

Our Canadian-born “party kei” is exactly as it sounds – this fashion strives to give off the feel of having just walked out of a colourful birthday party

coloured makeup and hair, and an abundance of glitter, but opts for a much softer, more fairy-tale feel than party kei. Instead of bright colours, dreamling uses purples, pinks, blues, pastels, and silver. It uses celestial motifs such as moons, clouds, and stars, and layers



Jillian Vessey, PixieLocks

The Creator of Party Kei, Prince Edward Island Local Jillian Vessey AKA PixieLocks

flowy materials, lace, and ruffles in the form of old-fashioned pyjamas or lingerie, like nightgowns and peignoirs. Long, wavy pastel wigs, short, coloured eyebrows, and glitter or coloured freckles are common to the dreamling look. It's a decadently ethereal fashion with a very tranquil feel.

Being such recent and small-time alternative fashions, they are quite easy to trace back to their roots.

Party kei was created by our fellow Canadian Jillian Vessey, a Youtuber by the pseudo-name Pixielocks, who hails from our beloved Prince Edward Island. Jillian was a former sweet lolita (see Seams Unusual: Lolita Fashion, Iron Warrior volume 39, issue 6), who was heavily inspired by Harajuku fashions (such as larme, cult party kei, and romantic gyaru) and decided to give her own personal style an identifiable label.

Thus, in early 2016, party kei was born. In much the same light as Choco's Mori Girl Checklist (see Seams Unusual: Mori Kei, Iron Warrior volume 39, issue 7), Jillian has made her own guidelines for party kei, which can be found at <http://pixie-locks.blogspot.ca/2016/02/party-kei-introductionstyle-guide-pixie.html>. The party girl is currently working on her YouTube channel and building up her portfolio to go to fashion school in the near future.

Dreamling fashion was an invention of a young American YouTuber who goes by the name of Nox Meriil (pseudo-name Peculiar). Also inspired by Japanese fashions such as cult party kei and fairy kei, Nox created dreamling around 2014/2015 as a label to describe her own version of street fashion. As Nox became busy with her work in photography and filming, and with her personal style further developing, dreamling and its already-small following is becoming all but extinct. However, I was captivated and enchanted by the style when I found it, and was excited to see new alternative fashions popping out of the western world, so I refuse to let it die! Creativity in the realm of western street fashion is something that should be nourished!

Don't let the small populations of these styles put you off from trying them; supporting North American fashions and helping them to grow is worthy and appreciated! If you're into party kei, try shopping at some of Jillian Vessey's favourite brands, such as Betsy Johnson, Lazy Oaf, Irregular Choice shoes, Jeffry Star cosmetics, and even Clairs accessories. Brightly coloured thrifted 90s pieces fit the aesthetic perfectly, and don't be afraid to add actual party favours, confetti, and ribbons from your local party supply store into your outfit. If you feel like giving dreamling a try, surf the web for old sweet lolita and cult party kei pieces, and hit up the vintage clothing stores for lacey old nightgowns and floaty peignoirs. Accessorize with crystal necklaces and thrifted cosmic brooches.

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How Ubisoft Has Failed Their Country

Electro-Nick's Electronics

NICK OWENS

ELECTRO-NICK'S ELECTRONICS

Greetings everyone, and happy Canada Day. Whether you were watching the fireworks or simply spending time with friends, it truly is a good time to be Canadian. So, in the spirit of the holiday, I have decided to cover an issue with electronics that lies much closer to home: Ubisoft. Now, I know you might be asking, what's wrong with Ubisoft? Is it the fact that they recycle gameplay mechanics? Everyone does that. Is it the fact that 'Beyond Good and Evil 2' has too much cussing? Is it the fact that I don't know what 'Beyond Good and Evil' is? No. It has nothing to do with any of these. Think to yourself, what are Ubisoft's two biggest series? 'Assassin's Creed' and

'Far Cry.' Of course, like all ongoing game series, these can be hit or miss, but are usually fun. But there is one thing that they are certainly not, and that is Canadian.

As you may already know, the newest entry in the 'Far Cry' franchise will be following crazy, off-the-grid, Puritan-like cultists in the southern United States. Admittedly, this does seem like an interesting concept, but didn't 'Assassin's Creed 3' also take place in the US, during the American revolution? And it goes beyond just these two series. So many of their games take place in the US. I'm not saying that Ubisoft needs to turn into Drake, and just sing about Toronto repeatedly, but why has there been so many Ubisoft games that take place in the States? It would be easy to say that John A. MacDonald's alcoholism was

just a guise for him being an assassin, or that Thomas D'Arcy McGee was killed by the Templars. It wouldn't be hard to make a 'Far Cry' game about the crazed Sasquatch-fighting lumberjacks of Northern Alberta, but still we see none of that. Why not?

In this reporter's opinion, there must be a coalition between the United States' Congress and Ubisoft to create games that teach us their history (Assassin's Creed) and preach their religion (Far Cry 5). It's all done to indoctrinate Canadians so that they focus more on foreign politics than on their own. My proof? Without proper Canadian gaming, almost anybody can tell you who the President of the US is, but very few know the Premier of Saskatchewan. The way things are headed, we're doomed to fall apart and end up becoming the fifty-

first state.

As Canadians, we must protect our individuality. And, because we are dealing with a Canadian culprit, and because Ubisoft certainly reads the number one ranked newspaper in the country (give or take several places), I can challenge them personally. Make a Canadian game, Ubisoft. It isn't hard. Instead of picking up random herbs to heal you, just pick up bottles of maple syrup. Instead of running people down with cars, you run them down with Zambonis. We've put up with this far too long.

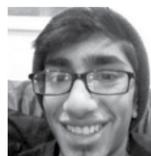
Now of course, this is all just my opinion, but you can trust my opinion. I'm an expert.

#canadianvideogame

Author's Note: This is a completely unBIASED article, written by an unlicensed "professional".

Why Doesn't Tim Hortons Sell Brownies?

An Open, Semi-Sarcastic Letter



HASAN AHMED
1T NANOTECHNOLOGY

Canada's supposed to be this really perfect, happy-go-lucky nation, right? We've got free healthcare, ice hockey rinks galore, and I'm sure we've all gained an appreciation for poutine over the years. However, this country has its drawbacks: tons of road construction during the summer, or perhaps the cold, cold winters that hit our country every winter. However, one issue has been plaguing me for about two years now (yes, I count). Why doesn't Tim Hortons, the most visited place in all of Canada for coffee and doughnut needs, sell brownies?

For one of the greatest desserts on the planet, brownies not being served on the Tim Hortons menu baffles me. When you've got competing brands like Starbucks in the market, Tims should be updating its menu and options as frequently as possible. These new doughnuts and muffins are fine

(like the nanaimo bar donut and red velvet muffin), but all we've had for a little while is just new flavours of established menu items. Well, I'm putting my foot down and saying I want more. Give us brownies, Tim Hortons. You have the opportunity to further innovate brownie technology. Without your help, Starbucks will continue to sell their normal brownie without any incentive to make it better. You have this chance – no – responsibility to make the brownies better for the ever-growing consumer base. Don't just do it for me or the competition, do it for Canada. We're turning 150 this year, and although bringing Roll Up the Rim back was a fantastic idea, I think a brand new item to commemorate how far you've come as a company needs to be introduced as well.

Imagine this: it's a warm summer day and you just finished playing road hockey with your friends. All of a sudden, you're craving an Iced Cappuccino (preferably maple, those are good). The chilling sensation of the coffee drink refreshes your tastebuds with a cool flow down your throat. Now, imagine the same scenario, but add on a nice, warm,

double chocolate brownie. It would go perfectly with the iced capp. Also, think of the possible different flavours. Double fudge, double chocolate, regular, white chocolate chip, red velvet, caramel, maple... the list goes on. They could just adapt some of their timbit and doughnut flavours and implement them into their brownie research. I contacted them through email some time in February and they responded as such:

"Good Morning Hasan, I would like to thank you for taking the time to provide our Head Office with your suggestion for Brownies. While Tim Hortons relies entirely on our own advertising, research, marketing and product planning departments for the generation and development of new concepts, we always appreciate hearing from our guests who want to help us continue to improve our products and services. Thank you for thinking of us and for your ongoing patronage..."

I could have made them millions of dollars richer, but instead they backstab me and throw my opinion in the trash. Not only that, but notice how brownies was

capitalized in that response? That means that this is just a placeholder reply and they just put in the word "Brownies", and other genius minds who may have suggested other ideas to the company were shut down in a non-personalized manner. Watch, when they start selling it in 10 years, let it be known that I had this idea first. If not, I'll make my own restaurant and out-sell Tim Hortons in terms of brownies per capita. That'll show them.

Anyways, happy Canada Day to all you lovely readers of the Iron Warrior. While this article may have made you bitter and spiteful, I want you to remember the great works that Tim Hortons has done for us in their 50+ years of serving Canadians across the country. Are they not the company that gave us the Creamy Chocolate Chill? The Maple Dip Doughnut? Yet another reason for Americans to be jealous of us? Brownies are but a small negative in Tim Hortons' reputation as a franchise, and hopefully there'll be many more great ideas to come forth. I hope you had fun on July 1st, wishing Canada a happy 150th birthday, and may all your future Roll Up the Rims be winners.

In The Field: Is OGS really the Shist?



GABRIELLE KLEMT
2N GEOLOGICAL

IN THE FIELD

At this point in my column you may be thinking, "So you crash around in the forest and carry around a lot of rocks, but what do you actually do? Why are you being paid to do this? Are you making this job up and just running around Northern Ontario for four months?" To that I say I promise it's a real job... I am "mapping geologic bedrock". What does that mean? Put simply it means identifying the rocks that I see. Yes, someone is paying me to identify rocks.

But there's more to it than that. When I go out for a day, be it on a foot traverse through the forest or an ATV drive down a path or just along the highway in the truck, I have a number of things I have to do. The first is stop when you see rock. Sounds simple enough, right? Wrong. You can't just stop for any pebble you see, people! Have standards! Everyone knows boulders are useless for bedrock mapping because they were just deposited there from some clumsy glacier rolling through! Wait, not everyone knows that? Ok, so we don't focus on rocks that aren't clearly part of the underlying bedrock of the area. The purpose of a geologic map is to show people where

they can find certain rock types and thus maybe expect to see certain (gold) mineral deposits. So, if you see a giant granite boulder in an area, you ignore it until you see a large outcrop of granite. And then you continue to ignore it because it's a boulder and we ignore those.

Once you've found your outcrop, you usually have to peel a lot of moss off it. Don't feel bad about this because the rock was there first. That way you can get a better picture of what you're looking at: are there pillows? Is there breccia? Could that be a fold? Is that patch there lichen or some kind of xenolith? Then let your supervisor take a look at the rock and do the hard work of asking questions while you take out the tools of your trade.

First, you've got to mark the spot in your GPS, then use your bright orange flagging tape that's going to get ripped off or blown away and never seen again to mark your spot visually on a nearby tree or bush - in case people have a hard time distinguishing rock from tree (this can be surprisingly difficult sometimes). The next thing you do is use your magnetic susceptibility meter. This thing measures, you guessed it, the magnetic susceptibility of the rock. This has some ulterior geophysics application that I will never profess to understand... until the end of next term when I should have understood enough of the course I'm supposed to take on it to pass.

Finally comes my favourite tool: the rock hammer. If you've done therapeutic boxing or just like to hit things to get your stress out, you might understand why I enjoy this part of the job. Some call this "sample collection", I call it smashing rocks. We're supposed to get a big hunk of rock so that a "thin section" can be made of it later for a study of the rock's textures under microscope. We also need to collect chips of fresh unweathered rock for chemical analysis. This means I have to smash at the rock until there is only fresh surfaces on it. Sometimes this can take up to 20 minutes if the rock is really hard to break. Yes, my hammer weighs 4 lbs but I don't have a blacksmith arm... yet. Sometimes I stand there wailing at the rock again and again to no avail. And then finally something in you or the rock breaks and it shatters under your hammer. Thor, I feel a new connection to you, man. I used to think hammers were dumb, but I really get it.

There are also a bunch of measurements and information that need to be recorded. These include the direction and orientation of veins in rock and the way a rock may have been sheared. Days are long stretches of looking for outcrops and taking down the measurements from about 8 AM to as long as we can hack it, or until we can get out of the forest, which sometimes takes longer than expected.

When we get back with all our samples at the end of the day we sort them into

buckets for later lab analysis. After that, we input the data from our magsus meters into the mysterious spreadsheet. It's extremely interesting but tiring as well and unfortunately there's no engineering involved. I have no idea what I can possibly write my work term report on and the internet here isn't really conducive to a literature review. I guess time can only tell what I'm going to do; in the meantime I'm waiting for a director to get here and interview us for a movie he wants to make about geologists in the field! I'm starting to fit in.

Pillows: Small lava flows that form in rounded "pillow-shaped" blobs. They're interesting to see in the field and can sometimes have very distinctive "rinds", the material between pillows, due to sulfides which cause a rusty look or hyaloclastites which are caused by very rapidly cooled volcanic material which is brecciated.

Breccia: Broken up rock chunks held together by a matrix of different rock material.

Xenolith: A foreign piece of rock embedded in a different rock type.

Geophysics: I haven't taken that course yet, stop asking me about it!

The Iron Crossword

Snack Time!

CAMERON SOLTYS
4A MECHANICAL

1	2	3		4	5	6		7	8	9		10	11	12
13			14					15				16		
17								18						
	19					20						21		
22					23				24			25		26
27				28				29		30		31		
32			33					34				35		
			36						37					
38	39	40				41			42			43	44	45
46				47				48				49		
50					51		52					53		
	54		55			56						57		
58				59	60				61	62				63

ACROSS

- 1: Used to carry groceries, perhaps
- 4: Measure of academic success for grad school (abbr)
- 7: Forrest Gump's legless friend
- 10: Beer that does not contain hops
- 13: Pattern of drops, particularly blood or oil
- 15: Woman who drowns in Hamlet
- 17: Cheesy deep-fried treat
- 19: Money of Romania
- 20: Olive ____, Popeye's girlfriend
- 21: Increments on a particular day for each person
- 22: Party hosted by EngSoc at the start of each semester (abbr)
- 23: Interpret from confusing information
- 25: Opposite of SSE
- 27: NBC's take on a talent show (abbr)
- 28: American gun lobby (abbr)
- 29: Favourite drink of pirates
- 31: Between E and SE
- 32: glasses or contact lenses
- 34: Injured with hot liquid
- 36: Have rightful possession of

37: ION, for instance (abbr)

- 38: What some professors due on boring days (2 wd)
- 42: 42 DOWN is one example of these
- 46: Long period of time
- 47: Realism Lighting Overhaul (abbr)
- 48: A roll in the ____
- 49: "Water! Water! Water!"
- 50: Intestine
- 51: Gemstone that can hold dinosaur DNA
- 53: US Agency that regulates communication companies (abbr)
- 54: Machine that created the Higgs Boson (abbr)
- 56: Videogame speak for an attack that does damage in a region (abbr)
- 57: uWaterloo program to give undergrads research experience (abbr)
- 58: Classic salty bar pairing (3 wd)
- 64: Stir-fried rice dish (2 wd)
- 65: Exclamation of exacerbated parents (3 wd)
- 66: In D&D, a dwarf-human hybrid
- 67: One sixtieth of a min

- 68: Grain used as animal feed
- 69: Female reproductive gametes

DOWN

- 1: Monitors for cars to one's side and rear (abbr)
- 2: "Sorry," for instance
- 3: Newspaper
- 4: Metropolis region east of Waterloo (abbr)
- 5: For each
- 6: Relating to the areola
- 7: Unit of Canadian money
- 8: Citation style of the social sciences (abbr)
- 9: British healthcare provider
- 10: Placed in a straight pattern
- 11: Permission to do something
- 12: ICAO designation for Euro-Asia Air
- 14: Famous Chinese strategist
- 16: Approximate duration until meeting
- 18: Basic solution used for cleaning
- 22: Alternate for "boyfriend" or "girlfriend"
- 23: Pre-toasted breakfast item
- 24: Relating to atomic physics
- 26: Marry
- 28: Less than newest
- 30: Fulfill an engagement
- 33: Received as a prize
- 35: Better than 3G (abbr)
- 38: Rad, grad, ____
- 39: Town where "Corner Gas" was filmed
- 40: Comment accompanying a private party invite (3 wd)
- 41: Without a specific domicile
- 42: An example of 42 across
- 43: Garlic and parmesan sauce
- 44: CTV Kitchener, for example (2 wd)
- 45: Eng-____
- 52: Hit playfully
- 55: Type of display that uses a particle accelerator (abbr)
- 57: Weapon famously made for the IDF
- 58: Measure of a song's speed (abbr)
- 59: Teal-themed faculty (abbr)
- 60: Scottish form of "no"
- 61: Space agency of Rosetta and Trace Gas Orbiter
- 62: Permanent body art
- 63: TV show about a biker named Jackson (abbr)

Sudoku

#2017-07-05

VINCE MAGAS
4A MANAGEMENT

Medium

		3												6
			2	8				9	1					
		1			4	5	2	7						
2						3							5	
				1	2	9								
7			4											2
	4	7	3	6									8	
	2	8				4	3							
6														2

Hard

					5									7
			6					1	9	4				
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		8	5					7						
4	6			5		1			2	8				
			3						6	4				
	4			9										3
6	3	1								5				
5					8									

Very Hard

			7				1							5
			5	4					3	7	1			
									4	8				
					7	9			8					2
		9										3		
2		3				8	5							
		8	4											
7	5	2					4	6						
1					2					7				

Solutions for previous crosswords can be found on *The Iron Warrior's* website at iwarrior.uwaterloo.ca/distractions.

THE IRON INQUISITION
Vince Magas, 4A Management

How did you spend the 4th of July?



"Still hungover from Canada Day"
Richard Arnone, Random Canadian



"I don't typically do anything special...except be Canadian."
Anthony Mok, Optometry



"In class because I'm not a filthy American"
Jessica Keung, 4A Civil



"American Parades, Watch American Fireworks and American Barbecues"
Ian from New York, Comp Sci



"Free"
Freedom The Freedom Eagle



"Freezing in the Great White North"
Taylor Lindblad