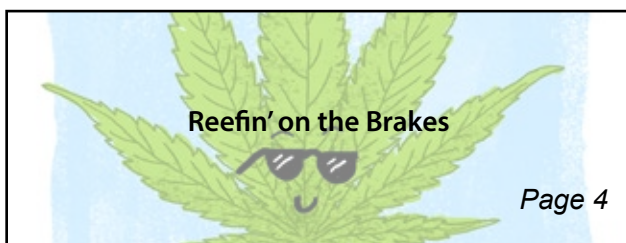


# THE IRON WARRIOR

THE NEWSPAPER OF THE UNIVERSITY OF WATERLOO ENGINEERING SOCIETY

VOLUME 38 ISSUE 11 | WEDNESDAY, SEPTEMBER 27, 2017



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## EngSoc Executive Elections

**SARAH MARTIN AND  
CLARKE VANDENHOVEN**  
ENGSOC B CRO/DRO

Hello Engineers, this fall term, the Engineering Society is conducting the Executive Elections in order to select a new executive team. We're starting the term off with the Presidential Election!

The Engineering Society President is the face and voice of the society. They provide overall

direction to the society, and oversee everything which goes on within the society. Further, the President represents all Undergraduate Engineering students to the faculty, and to other organizations across Ontario and Canada.

This term, we have two candidates running for President, Katie Arnold and Benjamin Beelen.

You can find more information on their platforms at the following links:

<https://www.facebook.com/Katie4Prez/>

<https://www.facebook.com/Benjamin-ForEngSocPrez/>

If you have further questions about the candidates or their platforms, consider coming out to the All Candidates Forum on September 27th at noon in the CPH Foyer. Ask the candidates questions, and get baked goods from the CnD! If you can't make it in person but still want your question asked, you can email it to me at [CRO.b@engsoc.uwaterloo.ca](mailto:CRO.b@engsoc.uwaterloo.ca).

Finally, don't forget to vote in the election!

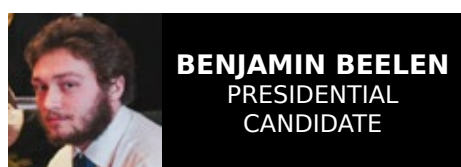
You have the opportunity to make your voice heard in determining the future for our society. Voting opens on September 29th and runs through October 2nd. Once voting has opened, you will receive an email with a link to the ballot.

All that said, please take the time both to educate yourselves on the platforms of the candidates and to cast your vote. You have the chance to decide the course of our society, make your voice heard!



**Out With the Old: we're electing new EngSoc Executives this term! Be sure to cast your vote and have your voice heard!**

## Meet Your Candidates



**BENJAMIN BELEN**  
PRESIDENTIAL  
CANDIDATE

Hello! I'm Benjamin Beelen, a 2B Environmental Engineering student and a candidate for President of the University of Waterloo's Engineering Society. Here are some things about me and what I want to do, some things I would change, and overall why you should elect me as President.

My primary goal as President would be to cultivate an engineering community. The society's mission is "to promote a positive undergraduate experience among its members," which I think is fundamentally affected by the community we build as engineers. This is done by support of mental health initiatives such as MATES and use of the friendship bench in CPH courtyard which has yet to see much society use. I would host a bring-your-own-lunch social at the friendship bench every time there is an advancement or setback in mental health in our community in an effort to bring us closer together in times where we might feel alone.

I have never been on an executive team for the Engineering Society, which means that I will bring a fresh perspective on everything EngSoc. Despite not being on the executive team, I have been exposed to the behind-the-scenes of the society from my experience as chair of the Board of Directors where I observed some of the challenges the society

faces and the way the society operates at a higher level.

As a class representative for all my terms at Waterloo, I believe that position currently fails to accomplish its fundamental purpose: to communicate council proceedings to their class. All engineering society fee payers are entitled to know what is happening and what they can expect from the society. Should I be elected president, I would start providing the class reps with carbon-copy information from executive updates and upcoming events.

I am very passionate about the society's history, traditions and most importantly its future. A major goal of mine should I be elected President is to strengthen the respect and integrity the society has with faculty. The society's fundamental purpose is to "better facilitate representation of its students on all relevant matters," which all primarily depends on faculty relation. I want to lead the society back to a place where it can properly represent you, the undergraduate student body.

I consider myself a patient person who can keep composure in difficult situations. In my 1B term, I was presented with an extremely frustrating situation with CECA. Throughout the entire ordeal, I conducted myself in a professional manner, which I would be able to keep while representing the society in its own frustrating situations.

And most importantly, please vote. You are choosing the future of our society and every vote counts.



**KATIE ARNOLD**  
PRESIDENTIAL  
CANDIDATE

Hello Engineering Students! My name is Katie Arnold, and I'm running to be your President of the Waterloo Engineering Society.

I started at the University of Waterloo in September of 2015. Today, I am in 2B Mechanical Engineering, and am writing this from the Canadian Federation of Engineering Students President's Meeting in Vancouver, B.C. I am honoured by the opportunities that being part of the Waterloo Engineering Society has given me, and I look forward to what is coming in the future!

I have been part of EngSoc since 1A and I have really grown to love it. I have also had the opportunities to interact with both the provincial and national engineering student councils, serving as Vice President, Services for the Engineering Student Societies' Council of Ontario, and the current Administrative Commissioner of the Canadian Federation of Engineering Students.

I have experience in many aspects of engineering student life, and my platform is based on this long-term experience within the Engineering Society.

You may have noticed the construction zone behind E5. This new building, E7,

will be home to new branches of engineering society services such as the C&D and Ridgidware, and new student spaces. One of the main focuses of my platform is to ensure that students get a say in what these spaces look like, and I have started doing this today, in my current role as Vice President Finance of the Waterloo Engineering Society, with members of faculty and the EngSoc business manager, Mary Bland.

The next part of my platform is related to the Engineering Student lounge, POETS. Our lounge has been a part of engineering for longer than anyone can remember, and it stands as a testament to engineering tradition. I am starting a plan to replace the POETS furniture as VP Finance, and it is my goal to continue to revitalize the furniture and the life in POETS. This is part of my overall student life plan, which includes reaching out to run events with other faculties as well as continuing with Upper Year Appreciation events.

Lastly, my platform stands on the Support of Diversity in Engineering. I would like to support our current EngiQueers group to become a more independent group, and with the growth of EngiQueers we open the door for more conversations on issues that affect our students, the development of new Engineering diversity groups, and pave the way for the collaboration with other groups such as Women in Engineering to address these issues.

Please vote in this term's presidential election! Have a say!

# Letter from the Editor

## In Waterloo and Hoping to Work



**GABRIELLE KLEMT**  
EDITOR-IN-CHIEF

Hello everyone, I'm so happy and excited to be going into the role of Editor-in-Chief of this fine institution at our university that is the Iron Warrior. And I'm especially happy to be doing it in the fall term, my favourite season for so many reasons. This space is going to be a place where I will rant and rave and say strange things, maybe ask questions and maybe offer some good (or bad) advice. Take it with a grain of salt and please enjoy the paper!

This fall marks my fourth term as a University of Waterloo student. With it comes my fourth "first round" of Jobmine applications. – Yes, I call it Jobmine not only because I think WaterlooWorks is too much of a mouthful, I'm also just much more used to saying "Jobmine" and in the spirit of doggedness that has made me continue to call the Skydome the Skydome, I will continue saying Jobmine till the day I die. But I digress, the nub of my editorial is not what you call it but what it is, and that is applying to jobs.

You might think, given my previous three terms' experience in this area, that when applications come around I whip out my résumé, dust it off and confidently apply to only a select handful of jobs, for which I write smoothly tailored cover letters. Of course, this is a lie. I tell myself every term to be more selective, for fear of ending up with yet another government job when I would dearly love to try consulting. But as soon as I open the page and start reading requirements I get the niggling doubts at the back of my mind "Gabrielle, what makes you think you're qualified for any of these jobs? You'd never get that interview if you paid someone. Everyone else's applications are so much superior to yours; I don't know why you bother." I dither and I hum and then I apply to just about every single job I can get my hands on in the hopes that maybe, just maybe, someone will want to interview my sorry self.

If you're going into this application process for the first time or the sixth time, you're likely feeling the same things. Yes, at my stage I am pretty sure my résumé looks more put-together than it did in 1A, and I certainly have more job experience than I did then, but the process of applying is an incredibly draining one that can make you feel disheartened and discouraged. It's even more discouraging when you go through the jobs, see nothing that you want, and out of desperation apply to all the jobs you thought you didn't want 2 hours previously.

Programs like mine, which are fairly specialized and whose future career paths are experiencing a low point in the job market, will also find Jobmine to be almost

devoid of opportunities. A large portion of my class last term organized their own co-ops without the help of CECA. I applied to a multitude of jobs, many of which I did write tailored cover letters for, and still had to organize my own summer co-op outside of Jobmine, during final exams. It's at times like these that you start to wonder what the school is really doing for you. Is co-op a hindrance?

Last term, I managed to get an interview with a prestigious geological engineering consulting company out in BC last term. We were getting along well and then he said something about a course that I take this term, in 2B. I mentioned that I was in 2A so technically I'd still be in second year during the summer. This statement essentially ended the interview. "So you haven't finished second year? Well I'm sorry we only hire those who have finished second year". Goodbye. Sure, he said apply next summer but next summer I'll be in my 3A school term, the next feasible time I could apply to that company is in my sixth co-op before fourth year. You can bet your buns I'm applying then, with the full force of three years education behind me, but in that moment it felt like Waterloo had sabotaged my career in geotechnical consulting by "forcing" me to be in four-stream.

It might seem like I'm harking on about my experience, perhaps to garner sympathy, and you may think "Was she even really trying her hardest to get a job?", and I'd have to say you're right; I wasn't devoting as much time as I could have to the job search. I mean, I edit the newspaper, so clearly I was not spending 100% of my time getting myself my dream job. But I'm not telling you this for sympathy or to express my feelings in some form of open-air journal, I'm telling you this because typically CECA doesn't. They like their awesome stats about international tech co-ops and new start-ups hiring first years, which is fantastic and should be celebrated. But oftentimes there's a side of the story that doesn't get told and it can make people feel more isolated when things don't seem to work out for them the way they do "for everyone else".

Many of us in engineering won't work for those tech start-ups because we aren't in that field of study; engineering is a multiplicity of things but it can be appealing to focus only on the most high-profile ones. This doesn't mean you can't get amazing jobs in other fields though! This summer I may have found the job myself but it was probably my most rewarding co-op thus far. I don't want to sound like a downer, because co-op is fantastic, it's the reason I came to this school, but it's very easy to have a love-hate relationship with it when you're struggling to get a job.

So take heart, engineers! We pay CECA a silly amount of money every term because they have resources that we should use, in the same way we should all be get-

ting our one free massage a term courtesy of the UW Health plan. I did not use CECA the way I should have because I was feeling bitter about WaterlooWorks and I'm incredibly childish - don't make my mistakes. Use your résumé and cover letter critiques, go to an interview workshop – I found out recently that a professional package to have your résumé critiqued, your cover letter written for you, your LinkedIn profile analysed, and four hours of interview prep can cost you upwards of \$500. I know we pay all of the tuition, but maybe utilize these things before we have to pay extra.

On the note of not losing heart and being a successful job applicant, here is my advice for you to take or ignore at your pleasure.

1. Create a master résumé of every single thing you might ever want to include in your résumé. Then, when like me you have too many things to include neatly in 1 or 2 pages, it's super easy to pick and choose things to suit one application or another. I haven't done this, but I want to and it's very possible that this will be the term I actually do it. Studies have shown that a tailored résumé gets more view time than a generic one, so it's something to consider.

2. Do not put your school term on your résumé. This is not false advertising, this is just giving yourself equal opportunity with those who are not in the same year as you. You might have all of the experience required for a job, but one look at your school year and they toss away your file before even looking at it! If anyone asks, you can tell them. Yeah, sure, that didn't work out great for me but that's a risk you have to take.

3. You may have heard this 40,000,000 times before but I'm going to say it again: a generic cover letter is worse than no cover letter. If you don't trust yourself to write 250 words about why you would be a good fit for a specific position at a specific company, do not include a letter expounding on how fabulous you are as a person and saying nothing about the job. That's what your résumé is for, they're different beasts.

4. DO NOT THINK THAT FIRST ROUND IS IT; yes second round has fewer jobs, yes continuous is long and annoying and can go into exams, but if you don't get a job right away just keep applying. Go to CECA and say "You didn't contact enough employers in my field and I want you to help me get a job outside your poorly designed website", and they will help you do it.

We go to a fantastic school with fantastic people and fantastic programs. We also graduate with two years' worth of work experience! That's crazy! If you're struggling, talk to someone, anyone, and likely they will be able to help you. And if not, at least they'll be able to sympathize about the pain of the application process. Now go out there and send your résumé to the stars!

THE IRON WARRIOR

The Newspaper of the University  
of Waterloo Engineering Society

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Gabrielle Klemt

#### Assistant Editor

Hasan Ahmed

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Sabrina Huston  
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Send your submissions for the next issue to [iwarrior@uwaterloo.ca](mailto:iwarrior@uwaterloo.ca).  
**Fall 2017 Publication Schedule:** September 27, October 18, November 1, November 15, November 29

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.

Mail should be addressed to The Iron Warrior, Engineering Society, E2 2347, University of Waterloo, Waterloo, Ontario, N2L 3G1. Our phone number is (519) 888-4567 x32693. E-mail can be sent to [iwarrior@uwaterloo.ca](mailto:iwarrior@uwaterloo.ca)

# A </br> From Reality

## Hack the North 2017



**CONNOR SWEET**  
1A MECHATRONICS

North America's top Hackathon leveled up on the weekend of September 15th, as one thousand student coders from across the globe converged at the University of Waterloo in the spirit of technological exploration and ingenuity. The internationally recognized competition which began in 2014 has since amassed a multitude of exceptional design projects, developed by diversely skilled student teams. This year was no exception. Hack the North 2017 raised the bar in terms of conference organization, opportunity, and project quality. I had the honour of attending the event myself, and thus got a front

row seat to the varieties of workshops, speakers, and free food available. Let me tell you about my weekend! Don't worry, I won't... byte?

Hack the North kicked off with a special opening speech from our very own Prime Minister, Justin Trudeau. He spoke of Canada as home to those with a desire to innovate, and provided insight on his passion in the field of technology. Following suit was a livestreamed talk between 21.co CEO Balaji Srinivasan and General Partner of the 1517 Fund Michael Gibson, who spoke of Balaji's experiences in the field and provided an expert's point of view on the importance of computer science and statistics knowledge in the modern world.

And then we were off. Over the span of thirty six hours, projects of all shapes and sizes were built from scratch. From augmented reality applications

and facial recognition robots, to note summarizers and garbage sorters, the Waterloo campus was riddled with programs and hardware, projected from the minds of student inventors from all walks of life. Within this time far too many cups of coffee were drank, and far too many hours were spent lingering at the claw machine in desperate hope of attaining a free Raspberry Pi. All the while, the floors of E5 remained densely populated with hard-working youth. But students were not only competing for a grand prize - representatives from various sponsors set up booths at the hackathon, prospecting for talented coders who are looking for co-op jobs and internships. These potential employers also provided prizes to groups who completed their challenges most effectively, the challenges in this case being creatively implementing their

API or accomplishing a task prevalent to their company. It was a great networking opportunity for students, filled with impromptu interviews, information gathering, workshops, and free swag.

After all of the judging, the showcasing, and the championships, one thing was for certain: this was not just a hackathon of regular caliber. Hack the North was an absolutely incredible experience that left students hungering for more. It was a momentary sanctuary for those who wanted to explore the world of technology alongside other keen programmers. It was a space where friends were made and the dedication of peers was acknowledged. Hack the North, and hackathons in general, are something everyone should try to apply to - it's a once in a lifetime experience that only comes along every few... iterations or so (ha... syntax joke).

# Let's Celebrate Amazing Teaching

## Prof. Matt Borland wins the Engineering Society Teaching Excellence Award

**JEFF GULBRONSON  
& JACKSON BARR**  
4N SOFTWARE & 2T ECE

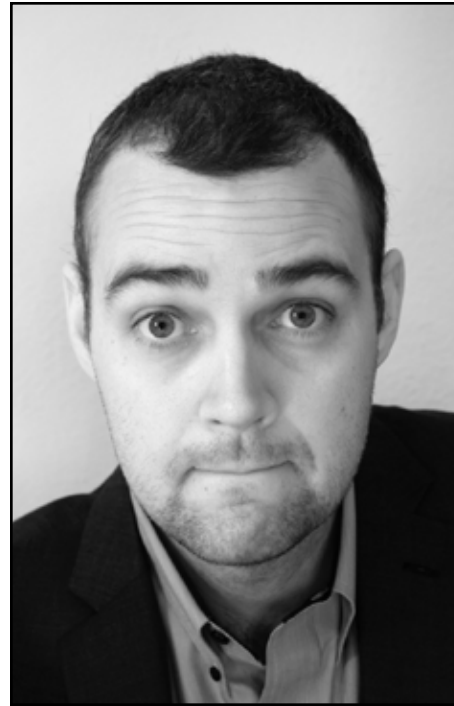
Each term, EngSoc recognizes an instructor who has done a combination of employing non-conventional teaching techniques, providing opportunities for experiential learning, and showing commitment and dedication towards ensuring academic success for their students. This summer, we awarded the Engineering Society Teaching Excellence Award to Matt Borland for teaching SYDE 361: Engineering Design. Prof. Borland's nominations stood out in not just the number of submissions, but also due to how each nomination submission consistently showed how he met all three of the award criteria; a fantastic accomplishment for an instructor.

One of the aspects that stood out the most, was the opportunities Prof. Borland provides for experiential learning. He organized events such as soldering,

PCB, and deep learning workshops to provide students with hands-on experience. In fact, one nomination mentioned that "more than 2/3 of the course is spent on hands-on project work". Another student mentioned he's "big on getting your hands dirty".

In addition to experiential learning, Prof. Borland went above and beyond by redesigning the course in order to better ensure academic success for his students. Whether it was through creating custom guides for each PCB board, or ensuring availability outside of class, his passion for teaching is clear. One nomination went so far as to say "... this course has been the highlight of my undergraduate studies so far and I am thoroughly appreciative of all the work that Prof. Borland has put into this course."

Finally, Prof. Borland employed some unconventional teaching techniques. SYDE 361 is a project-based course about technology and design, centred around building an electronic instru-



University of Waterloo

**Prof. Borland, Winner of the Engineering Society Teaching Excellence Award**

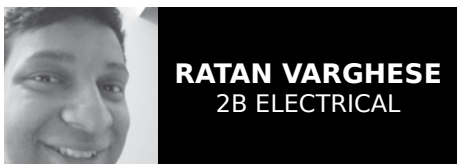
ment from scratch. Replacing one of his lectures with a "field trip", he booked vthe Theater of the Arts to give students a chance to see four musicians perform and answer questions about their particular instrument. Students were given the chance to interact with experts, which is a great way to help them thoroughly understand the material.

In addition to Prof. Borland, we would like to make honourable mentions to Liang Liang Xie and Mohammed Nassar, both of the ECE department, as runner-ups. It was clear from their nominations that they're passionate, talented instructors, and we would like to thank them for their work.

We would also like to thank everyone who submitted a nomination. If you've had an outstanding instructor that you would like to nominate, keep an eye out for the nomination form each term. Just be sure that the instructors are from the Faculty of Engineering! If you have any questions, feel free to email [vpacadem-ic@engsoc.uwaterloo.ca](mailto:vpacadem-ic@engsoc.uwaterloo.ca).

# Could You Win \$10,000?

## Student Challenge for Affordable Housing offers an amazing opportunity



**RATAN VARGHESE**  
2B ELECTRICAL

Are you dreaming up a better basement when you're in the shower, or a better shower when you're in the basement? Have you cracked the code of the rental business, and have a new business model in mind to make housing more accessible and affordable for everyone? Oh, and want the chance to win 10,000 dollars? Well today is your lucky day, the next few months will be your lucky winter! You, see the Student Challenge for Affordable Housing is underway, and you can join!

The aim is to find ideas for building techniques and financing models to reduce the costs and risks involved in rental housing. You can work on your own, or in a team of up to five students. If you work in a team, you'll need to designate a leader. Faculty and teachers cannot be active members of a team, but can play

an advisory role. You can team up with people from other schools in Canada, if you want. The challenge website also notes that "An entire class or more may be involved in a single submission, but the official team is limited to 5 members."

Ideas will be judged on many criteria, including innovation, financial viability, energy efficiency, replicability and accessible features. The project concept must, hypothetically, include a minimum of 5 rental units that remain "affordable" for at least 10 years. Site-specific proposals are possible, though you will need to keep in mind distance from public transit in that case. If you are working on such an idea in a studio or in class, that might still be eligible for the challenge. There is no entry or submission fee, but the prize for a winning idea is 10,000 dollars. Winners might also receive funding if they want to be actively involved in turning their ideas into reality.

Registration opened back on September 19 at [cmhc.ca/innovationfund](http://cmhc.ca/innovationfund), so

why wait? You can offer your submissions starting on 31 October 2017. The absolute final non-negotiable immobile ultimate deadline is 11:59 Eastern Standard Time on 30 April 2018. The organizers make it clear on their website that there are absolutely no exceptions to



Duke via Wikipedia

### Affordable Housing Coming to Waterloo... Maybe?

the deadline. The judging will occur in June 2018, and on the 29th of that month they'll contact the winners.

The organizers in question are The

Canada Mortgage and Housing Corporation (CMHC). They are a government-owned organization that looks for ways to improve housing and house-seeking for communities across Canada. They were founded in the 1940s to house World War veterans, and in the decades since then have also worked to improve housing in rural areas, in Aboriginal communities, and for people with low incomes. Now they're giving you, as well as all other college and university students in Canada, a chance to improve the state of affordable rent across the nation.

Go to [CMHC.ca/studentchallenge](http://CMHC.ca/studentchallenge) for rules, regulations, detailed eligibility criteria and other information. Check back regularly, as the FAQs section will be updated once CMHC actually finds out which questions are asked frequently. You can also send enquiries to [student\\_innovation\\_challenge@cmhc.ca](mailto:student_innovation_challenge@cmhc.ca). Note the Rules and Regulations > Evaluation Criteria section. It is much more detailed than most of the other criteria lists for this challenge.

# Is Trudeau Just Blowing Smoke?

## Marijuana Legislature Proves Tricky to Create



**ALEXA GRITTANI**  
4A MECHANICAL

In case you were unaware, the federal government plans to legalize marijuana by July 1st, 2018. However, Canada missed the deadline this past summer to withdraw from international drug control treaties. This means that Canada could be breaking international law when hashish is legalized next summer.

"The [treaties] are outdated," explains Steven Hoffman, a York University Professor who specializes in global health law. "The treaties were adopted in a time when there was a different view of what addiction was."

There are a few ways that Canada could avoid breaking international law. The most obvious is to delay the deadline of hemp legalization. A less feasible option would be to amend the constitution or say that the legalization of pot is for "scientific research". But dope doesn't exactly go with all of the other things that are in our constitution: equality, freedom of speech, cannabis. And saying that the legalization of "grass" is for science would take some creative lying. So, is the government really ready to meet its deadline next summer? Could the legalization set a precedent on the breaking of international laws?

Police are also pushing back on this deadline. Ontario Provincial Police and the Saskatoon Police Service have stated that they need more time to train officers on the new laws and that they require

twice as many officers to be certified to conduct roadside drug impaired driving testing.

The government seems willing to continue with their proposed deadline despite critics claiming that they need to wait for all of these stakeholders to be ready, else they will be risking public harm. The government has a different view. Their view is that the current legislation is failing Canada's children and youth and needs to be amended as "quickly and appropriately as possible", said Justice Minister Jody Wilson-Raybould. Which is important because young adults and youth in Canada use cannabis at one of the highest rates in the world.

So, the incoming laws will include specific laws looking to protect Canada's youth. The legal age will be nationally set at 18 years, but it can be raised provincially. The two new laws that will come with weed legislation will make it illegal to give or sell Mary Jane to youth, and to use a minor to commit an offence relating to hash (a cannabis related offence). It will also be illegal to label kef with anything that could be construed as appealing to young people. This includes the prohibition testimonials, a depicted person, character or animal.

Edibles can be prepared at home for personal use, but it will remain illegal to sell edibles. This is because states that have legalized ganja already have found that edibles are harder to regulate because potency is harder to regulate. The Canadian government is going to wait until they can create measures to protect public health before allowing edibles to be sold.

So what is the new locoweed legislation going to look like for consumers? Adults will be able to buy dried cannabis, cannabis oil, plants, and seeds from government-regulated retailers or directly from federally-licensed producers online. Adults will be able to possess and share up to 30 grams, and cultivate up to four plants per household, with a height restriction of one meter.

We also already have an idea of how much it will cost. New Brunswick has already announced deals with two suppliers for 9000 kilograms of reefer earlier this month. Their estimated retail value for their deal is \$80 to \$100 million, which indicates a retail price of about \$10 per gram. This is important because

in order to achieve the goal of irradiating the black market sales of doobie, the legal price needs to be lower than what it is right now. Right now the average price of toke is \$8.64 based on analysis that was released last fall by the parliamentary budget officer. This could make it difficult to eliminate the black market because there will be taxes on legal marijuana as well as a slightly higher price.

Will provinces be able to keep up with the surge in demand for marijuana following legalization? The Ontario government only plans to open 40 stores initially. So there will be a significant transition period before production catches up to demand and more stores will be opened.



Canabis Culture via flickr

Prime Minister Justin Trudeau at a Liberal BBQ in Vancouver in 2014

# Myanmar Crisis

## Government Guilty of Genocide and War Crimes

**RAFIQ HABIB**  
1A MANAGEMENT

On 22 September 2017, the International Permanent Peoples' Tribunal announced that it had found the Myanmar government guilty of genocide and war crimes against the Rohingya people and other Muslim minorities in the country. The Italy-based organization, founded to investigate and denounce crimes committed by military regimes around the world, made the declaration following 5 days of hearings, expert testimonies, and first-hand accounts of victims of the current crisis. This is a monumental announcement, as the Myanmar military has restricted entry to conflict areas, making it difficult for world organizations to obtain verified information regarding the current crisis. This declaration has been a long time

coming, and finally puts a name to a long-existing problem that Myanmar has been grappling with.

The Rohingya are an ethnic minority that live in many countries in Southeast Asia. Their population is most concentrated in the Rakhine state of Myanmar, next to the country's coast and its border with Bangladesh. They are mostly Muslim, and numbered approximately 1,000,000 before this summer's mass exodus. They are a stateless people, who have long been deemed by the United Nations to be the most persecuted people in the world. Under the 1982 Myanmar nationality law they are denied citizenship, and consequently have restricted access to education, work, travel, freedom of religion, and health services. The Rohingya are not allowed to vote, run for office, or practice medicine or law.

This has led to considerable tension between the Rohingya and the rest of the country. Added to this is the institutional racism they face from

Myanmar's Buddhist majority population.

Over the last decades, there have been flare-ups of conflict between the Rohingya and the military running the country. Small armed insurgent groups, such as the Arakan Rohingya Salvation Army, have attacked police outposts and military bases. The last such attack, in August of this year, is seen as the most recent catalyst for the current humanitarian crisis and armed conflict. In response to the August attack, the military has been accused of indiscriminately burning down entire villages and slaughtering communities in the Rakhine state. 400,000 Rohingya have fled for their lives, and are now in

refugee camps at the Bangladesh border. There were hopes that Myanmar's first democratically elected government, led by the former Nobel Peace Prize winner Aung San Suu Kyi, may have been able to avoid or end this crisis. That hope is all but gone, as the government has refused to formally acknowledge the attacks and destruction. At the same time, there are reports of other ethnic groups and citizens in the regions bordering the conflict zones actively working to stop the flow of aid into the Rakhine province. As the international community mounts pressure on the country, we have yet

to see any way this could be resolved in the immediate future. This is a conflict that is similar to other tragedies, such as the Rwandan Genocide. For now, all we can do is hope that somehow it ends differently.

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# Point Vs. Counterpoint

Should controversial statues be removed, or should their legacy be maintained?

POINT

COUNTERPOINT

**HASAN AHMED**  
2A NANOTECHNOLOGY

Recently, a lot of controversy has sprung up about the removal of historical statues from places in North America. The statue of Robert E. Lee, a Confederate General during the American civil war, was recently removed in Dallas after a vote from city council. Much closer to home, at Ryerson University, the Students' Union wants to change the name of the university out of respect for residential school survivors. The renaming of an institution happened recently in Canada when Trudeau renamed Langevin Block (one of the Prime Minister's offices) to Office of the Prime Minister and the Privy Council Office. Although these changes were disliked by quite a few people, I believe these changes were necessary to prepare for a better future.

First, the history behind these old names isn't exactly nice. Robert E. Lee was the army commander for the Confederates. When you think of Confederates, you typically think of the slavery, racism, and hostility that they stood for. The Dallas City Council voted on this matter, and it was evident why they voted to remove it. A quote by Rene Martinez sums it up nicely: "Does this statue reflect our current values of our city? When it was built, and the reason it was built in 1936: white supremacy. It's not about beauty. It's not about art. It's not about history." People are saying "oh but it is about history you can't erase history!" but this is the same generation that is mad at millennials for wanting participation trophies. Although they are trying to get it into a museum, I don't think that should be done either because it faces the possibility of defacing. Besides, what with the internet and tons of history books and fact checkers, it's pretty clear that the history will be remembered and taught, so that we are not doomed to repeat it. These racist implications are still pretty clear today (example: the ordeal in Charlottesville) and are prevalent in North America. Removing these types of statues, although it may aggravate the racists now, will be better in the long run.

Sir John A. MacDonald and Egerton Ryerson also don't have such nice stories in Canadian history, and really bring up the point of how we have treated (and continue to treat) Indigenous people in Canada. Both were known to mistreat Indigenous peoples and believe that Canada was not a place for them. MacDonald made and broke treaties with them, and both him and Ryerson are considered key architects of the residential schools. For those who don't know, residential schools were institutions specifically designed to assimilate Indigenous students into the Euro-Canadian culture, and were very different from what Indigenous people envisioned. Students would also work at the schools, which was just a cheap way to get labour and not really give them skills to become economically sufficient. Also, classes were taught in Canadian languages, so it was hard for students to understand. All of the material they learned was taught by unqualified people, and the food and clothes they were given was

subpar. There's many more problems with residential schools, but I think I've made my point. MacDonald and Ryerson stood for the genocide of these people, and that's why their names should be replaced. Canada may have worked to repair these relationships in the past, but clearly it has not been fixed (or can ever be fixed, for that matter). That is why we should be as generous as we can nowadays to give them the most equal opportunities and make them feel safe and happy to live in Canada. Renaming these schools could be a step towards that goal. We came a step closer to it when Trudeau renamed Langevin Block in June of 2017. Hector Langevin was yet another person involved in the establishment of residential schools. Although some may say this further erased some history, I know I wouldn't want to represent someone who has done such damage to an important minority in Canada. Besides, the positives that come from this are much better; Indigenous people may feel more comfortable that we are doing what we can as a country to make living more equal for them, and hopefully we continue to do this in the future.

It seems people aren't waiting for these changes anyway. A Confederate statue in North Carolina was toppled at a protest in August of 2017 in opposition to fascism and the KKK. It was held at the old Durham County Courthouse to show solidarity with anti-racist activists after the Charlottesville, Virginia riots. African-Americans especially were happy with this, as one interviewee, North Carolina Governor Ray Cooper quoted (according to CNN), "Unlike an African-American father, I'll never have to explain to my daughters why there exists an exalted monument for those who wished to keep her and her ancestors in chains." As a minority myself who's never dealt with such extreme conditions, I could only imagine the horrors of having someone who hated everything about me based on my skin celebrate what has been done to my race. It's terrifying and disheartening, and makes me wonder if the country I'm living in would protect me.

My final point: what does it accomplish if we keep these names? Do we remember Sir John A. MacDonald and Ryerson as important people who helped construct Canada? Or do we change it out of respect and value the way our history has made us realize the mistreatment of these minorities? Do we commemorate Robert E. Lee's role in American history, or do we remove his statue to commemorate the fact that America does not stand for white supremacy? To be most inclusive and respectful, changing the names and removing the statues makes more sense to show our ever-changing values as a country to ensure such mistreatment will never happen again. Maybe some people who are more worthy of it will come and take their place in the future, and it will be based on values which are inclusive and not representative of a vocal majority.

**KAI HUANG & RAFIQ HABIB**  
1A COMPUTER & 1A MANAGEMENT

Sir John A. MacDonald: Founding Father of Canada, uniter of the British Colonies in North America, spearhead behind the Canadian Pacific Railway. He was our first Prime Minister, and a man that many consider a hero.

Perhaps you feel the same way.

Then why was it that, just one month ago, the Elementary Teachers' Federation of Ontario (ETFO) voted to call on all school districts to strip his name from every educational institution that bears it?

What if I told you that Sir John A. McDonald was one of the men responsible for starting the residential school program, indirectly responsible for thousands of deaths? Would you too rally alongside them, vehemently calling for a mass renaming? Would you consider their reaction to be too extreme, and try to understand the circumstances surrounding the situation yourself?

This is not the only recent case where the legacy of historical figures was called into question. The Ryerson Students' Union - the same society that has publicly announced it will not celebrate Canada 150 because of "colonialism" - has repeatedly demanded that the university be renamed and a statue of its founder, Egerton Ryerson, be removed. Additionally, Indigenous leaders successfully called for the Langevin block at Parliament hill to be renamed.

The advocates claim that these actions will pave the path to truth and reconciliation. They suggest that it's a very progressive movement, that the historical figures will be "put in their proper places."

Where exactly are these so-called "proper places"? Off the books, out of sight, out of mind, erased from ever existing? When the history is all but forgotten, it will not heal the scars of

those who have suffered, and it will cease to teach those that need teaching the most.

The people that bear the wounds of the residential schools may sleep easier, but at what cost? The Indigenous children may now grow up with less and less knowledge of the suffering their elders faced. For that matter, all children will now grow up with less and less knowledge of the atrocities that were committed. By conveniently forgetting this history in the moment, we lay the groundwork to a future where it might repeat once more. At the same time, we also take away from the incredible accomplishments that some of these people have had. Without Sir John A MacDonald we would not have a country. Egerton Ryerson was a leader in moving towards secularism in public schools and the standardization of school textbooks.

And even if some people have fewer atrocities to remember, that isn't going to change anything today. The quality of life for the First Nations will not miraculously get better. Their relationship with the rest of Canada will not be mended. Instead, this will just bury the problems, hoping that they can be put far enough away and disconnected enough from our lives to be able to pretend that they never existed in the first place.

These relics of our rich history must be preserved. They provide a gateway to understanding what happened, and why. They serve as a reminder to past sufferings and injustices. The activists fighting for change want to put these people "in their proper place", but the industrial shredder is not that place. Melting down the past just makes it harder to reconcile. The activists' efforts are wasted on renaming locations. Rally and call for better education in our society, to help all sides heal and preserve. Only this way can all of us move forward; together.



Brunswyck via Wikipedia Commons

**Statue of John A. McDonald in Montreal. Do You Think This Statue Should be Removed?**

**Editor's Note:**

*Point Vs. Counterpoint* is a feature meant to stimulate discussion on thought-provoking topics. The views and opinions expressed here do not necessarily reflect those of the authors, *The Iron Warrior*, or the Engineering Society.

## LRT Project Chugs On

### It's getting here one day



**JESSICA KEUNG**  
4N CIVIL

Almost everyone at the University of Waterloo has been inconvenienced in some way by Waterloo LRT construction, also known as the ION. Now that track construction is nearly complete, everyone in the Region of Waterloo is excited to use the LRT. But where are the trains? The GRT is currently facing issues stemming from the delayed production and delivery of vehicles. Bombardier has delayed the delivery of light rail vehicles (LRVs) and has only delivered one train. The one Bombardier train that was delivered has been sent back because of problems with the core operating software. Originally set to start running in late 2017, the trains are further delayed to next spring. This software problem could delay the delivery further. Bombardier says all trains should be delivered by the end of the year. Bombardier representatives and Regional officials expect the second vehicle to be shipped by September 25th, 2017 and a vehicle on the test track in the middle of October. Jason Valiquette, the manager of ION's central control facility, hopes that the LRT system will be ready

sometime in 2018.

The ION project is currently in Stage 1, where the rapid transit system will consist of the LRT and Bus Rapid Transit (BRT) between Fairview Park mall in Kitchener and Ainselie Street Terminal in Cambridge, with 22 stops along the 17 kilometer transit corridor. Stage 2 of the ION project will replace the BRT between Kitchener and Cambridge with an LRT which will create a continuous

LRT system that connects the region's three urban centres.

Once the Stage 1 testing is complete and the ION LRT is fully functional, students and the people of the Region of Waterloo will enjoy: 14 LRVs running on a 19-kilometre route in their own separate lane, barrier-free and accessible LRVs that can comfortably hold 200 passengers, 19 stops from Conestoga Mall transit terminal in Waterloo to

Fairview Park Mall transit terminal in Kitchener, trains that will run every 8 minutes during peak hours, ticket vending machines, bike racks, and digital displays that will provide real time updates of the ION trains and pedestrian accessible stop platforms.

The ION promises to form the backbone of the GRT's transit system, providing a frequent, reliable and convenient way of travelling throughout the region. The ION will connect Conestoga Mall, Waterloo Corporate Campus, David Johnston Research & Technology Park, the University of Waterloo, Wilfred Laurier University, Waterloo Park, Uptown Waterloo, Grand River Hospital, Midtown, Downtown Kitchener, and Fairview Park Mall.

The ION fares will be the same as other GRT services and riders will be able to easily transfer between buses and trains. To meet the needs of the new ION electronic fare system, the University of Waterloo has begun phasing out the old, magnetic stripe WatCards and introduced contact-less, smart-chip technology. The transition from old to new WatCard technology for students and staff is expected to be completed by the end of Winter 2018. All current cards will remain active until the new card is issued.



**UW has its very own LRT stop! Sadly, we may not see trains actually stop there for quite some time...**

## First-Ever EngCon Held at UW

### Making FYDP a Little Less Scary, One Talk at a Time



**BRYAN MAILLOUX**  
3A MECHATRONICS

Are you a typical engineering student who has no idea what they're going to do for their Fourth Year Design Project? Are you intimidated by the logistics of such a massive project? Or are wondering how to turn your brilliant idea into a start-up? If you answered yes to any of those questions, EngCon would have been the event for you! Representatives from industry and prominent faculty members met in E5 on Saturday to give a series of talks about Capstone projects. The talks covered all aspects of FYDP, from how to dream up ideas for new technologies that will change the world, to how to turn your idea into a successful start-up, to how to

design a product that will truly resonate with end users. Other workshops included a demonstration of tips and tricks you didn't know you could do with an oscilloscope, and presentations on technologies such as LabView for data acquisition. Students were invited to attend whichever talks they thought were interesting, and also got to chat with the representatives from companies such as Keysight Technologies, National Instruments, and Miumi.

One of the talks that struck me as being very engaging and useful was Prof. David Wang's talk about "Creativity and the Capstone Project". Prof. Wang, who has, in his time at the University, overseen over a hundred Fourth Year Design Projects, presented an analogy for the engineering design process by talking about his band, Critical Mass. Often, when writing a song, he'll start with lyrics and ask



the musicians of the band to put music to his words. Usually, he'll get back a couple of snippets from each person, but none of them is long enough to be a song on its own. When you put all of those snippets together, though, you can get a piece of music that sounds really good. Similarly, if each team member of an FYDP comes to the table with a couple of ideas for problems they want to solve, putting some of those ideas together results in a project that can not only bring a solution to a real-

world problem, but that the whole team can also be invested in.

Prof. Wang also talked briefly about the logistics of FYDP, offering pieces of advice like "Order your parts before the midterm", "Make sure you're going out and talking to real people about the problem you want to solve", and most of all, "Underpromise and overdeliver". Later on, keynote speaker Kate Wilhelm from D2L talked about "Creating Products that Matter", giving a list of points students should consider when embarking on Capstone projects, such as making sure there really is a need for the project ("Just because you can doesn't mean you should"), looking outside of our own echo chambers, and using verbs instead of features to describe a product.

EngCon was a helpful event for engineering students, especially those in 3B who are starting to look into ideas for Capstone projects. I was really impressed by the overall organization of the event, and would be excited to attend again the next time the Engineering Ideas Clinic runs EngCon. Thanks to this event, I feel more prepared to deal with the FYDP when it comes along. But most of all, I think it helps UW live up to its motto. As Prof. Bedi put it, "You came here as aspiring engineers with a dream to solve the world's problems... And then first year happened. We don't let you use the labs or do practical things, and so those dreams start to fade. EngCon is built to help give you ideas for problems you can solve, so that you can achieve those dreams of helping the world."

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# My Brother, My Brother and Me

Answers to your most burning questions



First off, major props to Donovan for recommending this podcast to me. If you're new here, he also recommended the name of the column. But enough about the camaraderie at the Iron Warrior. Who are the brothers and why are they making a podcast?

The podcast is formally "My Brother, My Brother and Me", also called "MBMBaM". According to the intro of the show, the McElroy brothers are not experts, and their advice (unlike Donovan's advice) should never be followed. There's a warning about the show not being for kids, but I just noticed that it comes after disputing Justin McElroy's "sexpertise". The other brothers are Travis McElroy and Griffin McElroy. Don't worry, I can't keep track of which one is which either.

They are "an advice show for the modern era", which is to say they read questions on Yahoo! Answers. As you may be aware, Yahoo! Answers is where the world's philosophers, intellectuals and scientists ask the most pressing questions of the universe. For example, "How did people know when to meet back in vampire times?" Well, do you know? The McElroys do, and answered it back in episode 348, "Stardust and Dino Piss". My personal favorite debate was in episode 362: it was about whether men on horses could win a war against centaurs. They discussed tactics, the supply lines, and even spying. Truly, the dilemma of eternity.

Now, if for some reason you don't believe in vampires and centaurs, worry not. There are enough mundane questions for any vampire sceptic. For example,

"What do you call the middle part of the pizza? Urgent?" Sometimes the questions are a bit open-ended, so the McElroys need to add all sorts of contexts and scenarios. They also consider many different possible perspectives. I mean, think about that "vampire times" question again. Anyone who's anyone knows vampires have been stalking humanity from the dawn of time! The McElroys needed to joke around a lot before that question could reach a definitive conclusion.

It can be a bit tough to tell what's real and what's not on MBMBaM. I tend to believe the confident statements are mostly

jokes because they're too hilarious to be true, but sometimes Wikipedia reveals the world is much stranger than I expected. Wait, Wikipedia can be edited by anyone. I guess there's only one place left to learn how to handle sock-related crimes and repeating dreams about bathrooms: Yahoo! Answers. As heavy users of that site, the McElroy brothers have a lot of time to bash it for its load times and other quirks.

There are many live MBMBaM shows, especially in recent weeks. Apparently a lot of people are willing to pay to see MBMBaM live. Many of them know the

introduction message by heart. There are also intro and outro songs, saving me the awkwardness of laughing at the McElroys and then without warning hearing Dan Carlin's Hardcore History talk about genocide for six hours. Aspiring podcasters take note: outro songs are neat.

MBMBaM updates once a week. Episodes usually last about an hour. By podcast standards that is pretty consistently productive: most podcasts I listen to are more slight, update less often, or both. Now if only I could find a way to be that productive. Maybe there is someone I could go to for advice...

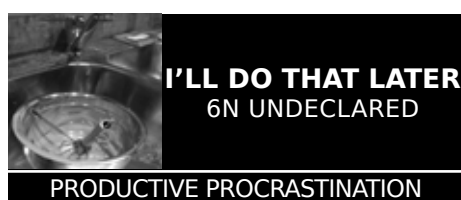


Navigator84 via Wikimedia Commons

The McElroy Brothers Will Answer All Your Questions, Sometimes Not With the Best Answers

## Cooking Chili 101

Spice up your procrastination



Welcome to Productive Procrastination with your host "I'll Do That Later". One of the things I was most scared for when I went off to co-op in Ottawa out of first year was cooking for myself. I had a very cushy meal plan at St. Jerome's and I had almost no experience cooking anything but pasta, eggs and baked goods. What on earth was I going to make myself??

It was after I cooked myself chili for the first time that I realized not only is cooking delicious and satisfying, it's addicting and ... a great way to procrastinate! Pretty soon, I began to get inspired. At work I would read food blogs and find new creative things to cook. At home, I started to grow my spice cabinet and make things that I'd only ever made from frozen. Who knew meatballs don't just come from IKEA's food section?

So, when I came back to school, I started to use cooking as a creative way to ... misuse my time. This series will feature some things that I just love to make and maybe you will too! Today's first episode is about my first foray into the wilds of the kitchen: chili. Sorry vegetarians, this is meat-based, but beans could be swapped for beef at any point in the recipe or just

life in general.

First things first you want to start with your ingredients. You are literally going to cook the crap out of your ingredients so these absolutely can be anything hiding in the back of your fridge or freezer or out of dented cans in your cupboard. Of course buying fresh ingredients is much more time-consuming, and if you really want to commit and be absolutely sure all your ingredients are the best they can be, hit up the farm. Meet the cow, pick the veggies, and breathe in that fresh farm air. Alternatively, there are some ace places to buy everything you need for this recipe in the Waterloo area. There's Dutchie's, which I recently discovered has amazing deals and it's mostly all Ontario-grown, and of course St. Jacob's is always a good time and has all of the fresh foods.

### What you need (ish):

Ground beef, ½ an onion, 1 pepper, some garlic, 2 cans of beans, large can diced tomatoes, chili powder, frozen peas or canned peas or really any veg you want, salt, pepper, and oil.

You may have noticed this list is not especially explicit. Chili is one of those fantastic foods that you can put almost anything in, in whatever proportions you want, and it will taste fantastic.

### Chopping Block

Alright, this is where much of your time will be spent on Productive

Procrastination. First you want to chop the onion and pepper into small chunks, and then mince the garlic. Safety goggles are recommended for this dangerous onion task. Alternatively, running your hands under cold water works to stop you from tearing up. The water, however, can do nothing to help you recover from the crushing grief of an upcoming assignment; on the bright side, crushing the garlic with the side of your knife makes it easier to peel and chop. It also releases that garlic aroma into the air which will make you feel like a legit chef but makes your hands stick to the knife. As you struggle to extricate your fingers from the sharp blade, know at least you are not struggling to extricate yourself from a calculus problem.

### Let's Get Cooking @ the stove.

This is the fun part, time to turn on the heating element and burn away the bad memories of tomorrow's assignment due date. Since beef takes a while to brown, you should really have started this before the chopping, but we're eliminating efficiency from this process so just go right ahead and ignore this part until you're all ready to start frying up your veg and then realize what a silly and time-consuming mistake you made, just like taking engineering.

I like to brown the beef with water because I'm cheap, you can also brown with oil if you're super bougie. When that's done and you're feeling this process

is less fun than it was when you started half an hour ago, it's time to put the onion into the pot with some oil, or better yet butter! Garlic actually cooks faster than onion, so let that onion get a little transparent before throwing in the pepper and garlic. This is going to smell fantastic, and you could just stop here, eat the mess at the bottom of your big pot and call it a day. But you'll also likely find it makes you feel unsatisfied with your dinner and perhaps slightly sick.

At last it's time to add everything else. No order required, just throw it all in. Obviously you need to remove the food from the cans; they tend to explode under pressure. Also you'll likely want to rinse those beans and chickpeas before you put them in, but perhaps you like that strange bean sludge that comes in the can. My recommendation for chili powder is the more the better, make that pot as fire as the mixtape you always joke about but will never make. Honestly though, why doesn't anyone actually make a mixtape?? Too much false advertising.

Bring your pot to a boil, then reduce the heat down to low, cover and let it simmer. The longer it simmers the better, and I generally cook it for 1.5 hours. But since you really should stir it every 30 minutes or so, the most pragmatic thing to do is to set a 30 minute timer and sit down to a few episodes of Buffy – my personal favourite TV show to accompany chili on a fall evening.

# The End is Near... Just kidding!

Fall term is going to be very eventful!



**RACHEL MALEVICH**  
PRESIDENT

Hey everyone! For those of you who don't know me - I wear a white hardhat a lot, so you've probably at least seen me, I'm your Engineering Society President, and I'm also a 3B Chemical Engineering student! This Fall is actually my team's last term as Executive (hence why the end is near). It's been a very eventful year and we've made some big changes in the Engineering Society. We intend to keep the momentum going for our last 4 months!

We're very excited to welcome all the first year students! The next 5 years will likely be the best of your life - make sure

you talk to upper year students to learn about all the opportunities here at Waterloo! For those of you who were really involved in high school, but are nervous about overwhelming yourself with school, co-op, and extra-curriculars - this story is for you. I was just like you, a high achiever that went to university and didn't think I was smart enough to handle doing anything I enjoyed. Not finding a true outlet in first year is one of my biggest regrets. For everyone: use

your 1A term to test the waters - school is a priority, but getting involved is what will make your 5 years here memorable!

I'll be using the rest of this article to highlight some of the goals I have in my last few months as President. Two of my largest goals are with the Joint Executive team (A-Society & B-Society). The first is a website revamp - this goal will extend to the end of April 2018 to give our awesome volunteers (directors) time to execute all

of the changes piece by piece. The second goal is to issue the first long term strategic plan for the Waterloo Engineering Society that will hopefully be passed on to both societies. Joint Executive is in the process of revising the document and it should be available for review by late October.

I'm also working to partner with the Faculty on several different events like an Academic Rep Workshop and donor appreciation. We're trialing the FEDS voting service for this term's Executive Elections - so make sure you vote and give us feedback! Finally, Executive is executing a lot of initiatives related to first year retention - please always let us know how we could be doing better! On Mondays from 1:30 - 3 and Fridays from 11 - 12:30, come visit me in the Orifice (CPH 1327) - I'm all yours!



# Home Again, Home Again, Jiggity Jig

What's happening with POETS and Novelties



**KATIE ARNOLD**  
VP FINANCE

Welcome to Waterloo Engineering, 2022s, and to everyone else, welcome back! I'm looking forward to making the most of the last four months of my exec term. There have been some recent changes over our co-op term, so I'm here to update you on where we are and what we're doing.

For Novelties, we've recently reordered a lot of stock, and so if there's something you missed you should go check to see if it's back! I'm also in the process of finally putting together our Novelties Display in the case outside of

the EngSoc Office, so keep your eyes peeled! Excitingly new this term is our Patch Design Director, Ben Beelen, who is looking to see a new patch for every department in Novelties by the end of the term! Look for more information at the beginning of October!

In Ridgidware we're expanding our services and have recently absorbed the ECE stores stock and responsibilities. We visited EngCon on September 23 to say hi to all of the Waterloo Engineering students who were around. We're also setting up for our big move into E7 Ridgidware, which will be conveniently located next to the ideas clinic! Think of us during your next project! Our hours are 11:30-1:30 and we can be found in CPH foyer.

A huge shoutout goes to the team

responsible for our BOT, (Beginning of Term Party) in POETS at the beginning of September. It was a fantastic evening, and we're (myself especially) very excited to see more events that will be happening in POETS this term. If you were a fan of last term's End of Term Party, I would keep my eyes, and my schedule near the end of November, open!

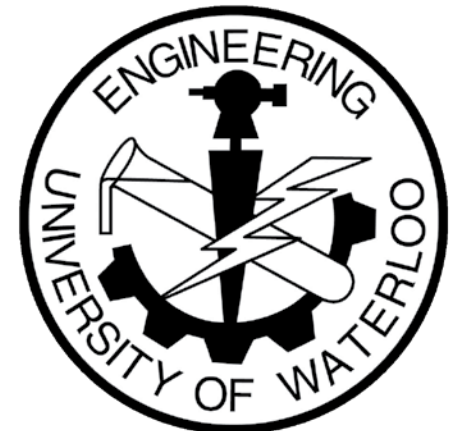
Sponsorship for Fall 2017 is over \$10,000. We're excited to be able to lend a hand to some student teams in need. Keep an eye out for the following dates:

Committee Selection: October 4th, Council Meeting

Proposals Due: Oct 27th, Online Presentations: Nov 4th, In POETS

Thank you all for reading, and I'll keep you posted as time goes on. Fall

2017 is going to be full of surprises! If you have any comments, concerns or questions, ideas for novelties stock, or an update on financials, you can find me at [vpfinance.b@engsoc.uwaterloo.ca](mailto:vpfinance.b@engsoc.uwaterloo.ca).



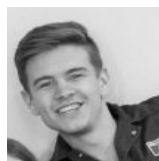
## Upcoming Events Calendar

Wednesday Sept 27	Thursday Sept 28	Friday Sept 29	Saturday Sept 30	Sunday Oct 1	Monday Oct 2	Tuesday Oct 3	Check out up-to-the-day event postings on the EngSoc website at <a href="http://engsoc.uwaterloo.ca/event-calendar/">engsoc.uwaterloo.ca/event-calendar/</a>
WIE Technical / Health Workshop 5:30 pm - 7:30 pm  DIY Neon Signs POETS 6:30pm - 8:30pm  Academic Rep Workshop RCH 305 6:30pm - 7:30pm	Professional Photoshoot 4:00pm - 6:00pm	Presidential Election Voting Starts Sept 29, ending Oct 2	First Year Engineering Leadership Conference 9:00am - 9:00pm	Patch design Contest Starting Oct 1 @ 12:01am, ending Oct 14 @ 10:59pm	Post Secret Day 12:01am - 10:59pm  Board Games 5:30pm - 8:30pm POETS  Game Development Workshop 7:30pm - 9:30pm	EngiQueers 6:00pm - 9:00pm POETS  Interview Skills Workshop 7:00pm - 9:00pm POETS	
Wednesday Oct 4	Thursday Oct 5	Friday Oct 6	Saturday Oct 7	Sunday Oct 8	Monday Oct 9	Tuesday Oct 10	
Council Meeting 5:30PM - 7:30PM RCH 301  Patch Sewing Party 11:30am - 1:30pm CPH 1327  Arduino Workshop 7:00pm - 8:00pm MML	Pay-What-You-Can Yoga for Charity 5:30 pm - 6:30 pm POETS  Circuit Design Workshop 6:00pm - 9:00pm MML		Fall Break Beginning Oct 7, ending Oct 11	Fall Break Beginning Oct 7, ending Oct 11	Fall Break Beginning Oct 7, ending Oct 11	Fall Break Beginning Oct 7, ending Oct 11	



# What is a VP Communications?

## An Intro to Communications & Conferences



**DAN ROBERTSON**  
VP COMMUNICATIONS

Hey everyone, my name is Dan Robertson and I'm happy to be your Vice President Communications for the Waterloo Engineering Society 'B'! I'm in my 3B term of Computer Engineering and just got back from an exchange in Denmark at Danmarks Tekniske Universitet... no I can't speak Danish, but I can read a little bit of it!

VP Communications is responsible for internal communications and external

representation. In terms of internal communications, I oversee all updates and communications you receive from the Engineering Society. This includes social media, the mailing list, the website, and even the LCD screens around different engineering buildings. We are always trying to get you the information you want and need as efficiently and consistently as possible. If you're new to Waterloo, or missed the survey last term, feel free to send me an email about any improvements that could be made. In terms of external representation, I sit on two engineering student organization councils, the Engineering Student Societies'

Council of Ontario (ESSCO), and the Canadian Federation of Engineering Students (CFES). On these councils, representatives come together to discuss ideas, goals, and initiatives. At plenary (think EngSoc meeting), I vote on behalf of Waterloo 'B'. These two councils represent engineering students on a provincial and national level, and are actively working to benefit you! I also get to bring a delegation to conferences put on by these organizations, and you could be a part of it!

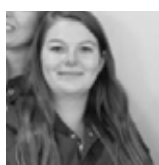
Conferences are a great way to develop your leadership skills, network with other students and industry professionals, and bring back ideas to our Engineering

Society, so make sure to keep an eye on our Facebook page for applications to be a delegate. I also liaise with Professional Engineers Ontario (PEO), and Ontario Society of Professional Engineers (OSPE). From these organizations I bring relevant student initiatives as well as information for graduating engineers who are ready to get licensed and/or enter the workforce.

I hope you all have a great term, if you have any questions or just want to chat feel free to find me in the orifice Monday and Friday 12:30pm-1:30pm or Thursday 10:30am-11:30am, or send me an email at [vpcomm.b@engsoc.uwaterloo.ca](mailto:vpcomm.b@engsoc.uwaterloo.ca)!

# Fall Term, Best Term!

## Get involved, first years!



**SABRINA HUSTON**  
VP STUDENT LIFE

Happy Fall Term Everyone! To the upper years, I hope you enjoyed your summer of fun and are ready for MORE FUN! To the first years, welcome welcome welcome! There are lots of fun events coming up and I'm excited to share them with all of you.

First of all, the First Year Leadership Conference is coming up this weekend, and it's going to be lit! For more information on other conferences

coming up, sign up for the mailing list on our website! Didn't sign up for the conference? Still want to get involved? Have any questions? Reach out to our First Year Commissioner Theresa DeCola at [firstyear@engsoc.uwaterloo.ca](mailto:firstyear@engsoc.uwaterloo.ca) for more information about all things first-year! You can sign up to be a director shadow, to be a volunteer, and to get an upper year mentor. There's something for everyone!

On top of that, we are currently accepting submissions for the Patch Design Contest, so get designs in fast. All submissions will be voted on at the end of October, so get your creative

juices flowing. The funnier, the better!

We also have lots of fun events happening on the regular! Board Games is on Mondays in POETS from 5:30-8:30 PM, so come out, meet new friends, and SMASH. Engiqueers is on Tuesdays from 6-9, come out to meet people in the LGBTQ community. It's a safe space for everyone, so join in the fun. Charity Grilled Cheese also happens every other week at lunch on Tuesdays so come out and support a good cause!

On the topic of good causes, Charity of the Year voting is open! Each year, the Engineering Society votes on a new charity to support for the year in

order to strengthen multiple parts of our community. Be sure to vote before it closes!

But wait, there's more! We are running a term long SCUNT this Fall, the items for which can be found at [bit.ly/scunt-f17](http://bit.ly/scunt-f17). If you get a certain number of points, you could win a patch, a t-shirt, or even a coveted purple hard hat. Creativity is key, so show your Engineering Pride and GET IT DONE!

That's all for now, if you have any questions about ALL THINGS FUN, come by my office hours on Wednesdays from 1:30-4:30 in the EngSoc office! Hope to see you there!

# CECA 'Wat Are You Doing' This Term For WaterlooWorks

## CECA addresses survey



**ANDREW MCBURNEY**  
VP ACADEMIC

Engineering fam! It's great to be back writing again for the Iron Warrior! I hope you all had very fulfilling and meaningful summer co-ops, and hope you're all both ready and excited for another term of job hunting. To the first year audience: if you're four-stream I wish you the best of luck in your first set of job applications!

Some of you may remember, last Winter, I ran a survey for the undergraduate engineering population on student opinion of WaterlooWorks (<https://tinyurl.com/WWSurveyResults>), the

new replacement for JobMine (#RipJobMine2k16).

To briefly summarize, I asked a few 'Likert Scale' questions, as well as some open-ended questions to come up with a list of actionable items and feature requests for the new system, based on your feedback (<https://tinyurl.com/WWActionableItems>).

Another survey was administered to students belonging to all faculties in the Spring term by my A-Soc counterpart: Patricia, which built on the Winter survey. CECA has now adopted this survey (from the Spring term), as their official way of attaining student feedback, and may be found on WaterlooWorks itself. Neat!

In an effort to become more transparent with regards to changes to the

system, CECA has created a page to track the progress on feedback suggested through our survey, and others like it (<https://tinyurl.com/WWSurvey-Feedback>). From here, you can view a variety of issues raised by students for the system, with a corresponding status ranging from:

- 1) Partially-implemented
- 2) Additional changes not planned at this time
- 3) In progress
- 4) Under review
- 5) For future consideration
- 6) Need additional experience & then will re-assess priority

Furthermore, CECA now features an "Implemented Changes" page (<https://tinyurl.com/WWChanges>), detailing changes made to the software. This will be useful in keeping track of what's new this term for WaterlooWorks.

As always, if you have any questions, comments, or concerns about WaterlooWorks, the co-op process, academics, Smashing Pumpkins (yes I'm serious), or just want to chat - please don't hesitate to contact me at [vpacademic.b@engsoc.uwaterloo.ca](mailto:vpacademic.b@engsoc.uwaterloo.ca), or find me in the orifice at CPH 1327.

Cheers everyone! Best of luck with the job application process!

tinurl.com/WWChanges), detailing changes made to the software. This will be useful in keeping track of what's new this term for WaterlooWorks.

Healthline provides a listing of all of the community mental health programs in the Waterloo Wellington Region.

# Who to Call When You're Not OK

## Mental Health Resources Available To You



**ADELE CHUI**  
MENTAL HEALTH  
AWARENESS DIRECTOR

The Fall 2017 term has officially begun, which for many of us means the beginning of four sometimes sleepless and sometimes stressful months. Before the term gets too hectic, we at the Mental Health Awareness directorship at the University of Waterloo's Engineering Society wanted to take this moment to remind you to take care of yourself—take time for self-care, make sure

you have those coping strategies, and surround yourself with people that can support you as you support them.

Outside of those things, the Waterloo Region has a number of resources for mental health of which you can take advantage! Please use this list if you need it—we would love you to be healthy this term.

UW MATES (Mentor Assistance Through Education and Support) for one on one peer support. These volunteers are trained in stress, anxiety, academic issues, social challenges, mental health, and problems related to university and culture transitioning.

Here 24/7 is a 24/7 phone line managed by the Canadian Mental Health Association Waterloo Wellington that you can reach at 1-844-437-3247.

Mental Health Helpline is an informational service that provides information about mental health resources in your area. You can call them at 1-866-531-2600 or chat with them online or email them.

Kids Help Phone is 24/7 anonymous counselling for youth. You can reach them at 1-800-668-6868 or chat with them online.

CMHAWW is the Canadian Mental Health Association Waterloo Wellin-

ton, a resource for a broad spectrum of mental health needs that provides recovery-based programs and services for all ages.

Healthline provides a listing of all of the community mental health programs in the Waterloo Wellington Region.

As always, a list of resources is also available on the Engineering Society website.

If you are experiencing a mental health emergency, please reach out to your nearest emergency room or counselling services. The emergency room closest to the University of Waterloo is at Grand River Hospital.

# What is North Korea's Threat to You?

Things continue to heat up north of the 38th parallel

**NICK OWENS**  
IT MECHANICAL

Over the summer, North Korea continued with developing its nuclear weapons program by testing mid-range ballistic missiles in an attempt to create an intercontinental ballistic missile (ICBM) capable of reaching the United States. Recently, the nation has been condemned for firing a missile over northern Japan and into the Pacific Ocean. But, with continuous threats of nuclear war against the United States and President Donald Trump's statement of "Fire and Fury," it might be worth understanding how dangerous North Korea is to not only the US, but also to Canada.

Initially, it is worth stating the level of technology that North Korea has. For starters, North Korea's nuclear weapons supply is developing, but still in the works.

Experts track North Korean nuclear tests by monitoring and detecting unusual seismic activity in South Korea. As of now, North Korea's weapons have grown to be significantly larger than the atomic bombs dropped on Japan at the end of world war two, but are still significantly smaller than those developed by both the United States and Russia. As well, weapons must be developed before they can be miniaturised. That means that, after developing large scale nuclear weapons, North Korea would need to develop smaller devices to be able to deliver them via missiles. As for their mid-range ballistic missiles, North Korea does not currently have any ICBMs.

However, their missile range is ever growing. Although it is disputed how much of continental North America can be reached by their weapons, Japan, South Korea, and United States controlled nations such as Guam are all within the line of fire.

North Korea's weapons systems are behind, but they are also developing.

This now begs the question of whether North Korea would strike against one of these nations, or even the United States. The answer is, probably not. Since the era of the Cold War, the United States has been developing missile defense systems to prevent nuclear missiles from hitting the continental US.

Some have argued that this system has not had sufficient testing, but North Korea also understands that a nuclear strike against any nuclear armed country means a likewise retaliation. This means that, despite advancements in their program, any hydrogen bombs being developed are likely to be used defensively,

despite claims of aggression towards other nations. This makes nuclear war between the two rather unlikely.

Finally, there is the question of where

Canada lies in this scenario. The United States is well defended against foreign missile attacks, but some unrest arose when it was announced that the United States was under no obligation to defend Canada in the event of a missile attack. However, under the regulations of NATO, any member is required to regard any act of war against a participating country as an act of war against themselves. Furthermore, despite having no nuclear weapons program, Canada has been a participating member in NORAD since the Cold War and has been a close ally to the US despite deciding not to be a part of their "nuclear umbrella."

Something else to note is that North Korea also does not view Canada as an enemy nation. This may come as a shock, due to their threats against the US. However, Canada's reputation as a peace keeping nation may be a reason for North Korea's friendlier attitude.



Jeon Han via Wikimedia Commons

Tracks for the DMZ Train Leading Across the Border to North Korea

## Water Flows Again!

Village 1 West 3 Washrooms Fixed at Last



**STONE HE**  
1A MECHANICAL

Students are now able to use the washroom facilities after a week of repairs to a damaged water pipe.

On Wednesday, September 13, the water system of the Village 1- West 3 residence was restored by the V1 maintenance crew after a week of repair efforts.

With the water pipe repaired, students in West 3 could use their own washrooms for the first time in a week since they moved in. They were finally able to use their washrooms in West 3, rather than going to another residence quad for such facilities. This was especially unpleasant for people with early-morning lectures.

Early on September 6, a damaged water pipe, caused by a backup in the water system, flooded the basement of West 3. The cause of the backup is a mystery, but the washroom facilities in the West 3 quad were closed off as repairs went under way.

Students residing in West 3 were directed to use the washrooms facilities in West 4 for the week. However, the students who lived in the basement floor had to move out and relocate to another residence, right after moving into their rooms.

Colin McCoure, a first-year Electrical En-

gineering student currently living in West 3, also had some concerns about the washroom issue. "It was an annoyance," McCoure stated, "and it was not a good way to start university."

Two days later, the V1 maintenance stated that the expected time to fix the damaged water pipe would be within ten days. The basement had been cleaned and a site had been dug up beside West 3 to fix the water pipe.

After seven days, the water pipe was fully repaired, allowing the students who had to move out to return to their residences at West 3.

"Even though it was an annoyance," McCoure stated, "the maintenance worked hard and fast to get it fixed as soon as possible."

The Waterloo residences have issued a statement of gratitude to everyone in the West 3 quad for their patience and understanding of the washroom and water situation during the week.

The West 3 washroom facilities are now functioning and the students no longer have to walk to West 4 for their washroom facilities. Preventive measures have been taken to ensure that another blockage will not happen again. Signs have been posted in the washrooms to warn students not to flush anything other than what is posted on the signs down the toilet.

The maintenance have revealed little information about the incident, like whether or not it was student caused.



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# Big Season Storylines

## The Rams, Sam Bradford and the AFC West



**DONOVAN MAUDSLEY**  
4A MECHANICAL

NAVIGATING THE NFL

Hello, and welcome to my new column about the goings on in the National Football League. I love watching and playing football, but I've always been terrible at predicting football games. In the last 5 years, I've picked the correct Superbowl Champion zero times. There are literally babies who have more insight into picking winning teams than I do, but I thought that this season I'd try predicting a few things for the season as a whole. If you are a fan keep in mind that I'm writing this before the week three games (excepting Thursday Night Football).

Firstly, I think the Los Angeles Rams are going to have a very good season. Their offense has been very good. I don't think anyone expected this kind of performance out of Jared Goff, Sammy Watkins is playing at a new level this year, and Todd Gurley has been working miracles out of the backfield. To back that all up their defense has also been solid, racking up ten sacks over three games. In comparison, Jared Goff has only been sacked three times. The NFC West, home also to the Cardinals, Seahawks and 49ers, has been one of the better divisions in the last few seasons, but the Rams may contend for the division title this year.

Another storyline worth following is the Minnesota Vikings and the future of

quarterback Sam Bradford. Bradford was brought in a few days before the opening game last season to replace the injured Teddy Bridgewater. Bridgewater destroyed much of his knee in a non-contact injury during preseason practices and has been unable to perform since then. Last season the Vikings had a terrific start, winning six of their first eight games, but then fell apart and lost 6 games to finish 8-8 and miss the playoffs. Part of this was due to the loss of star running back Adrian Peterson to injury. Bradford came out of the gate this season looking good, but was injured early in their second game. Injuries have plagued Bradford since he entered the league, so if this one persists his time in Minnesota may come to an end.

There are also many questions revolving around the Atlanta Falcons this season. Unless you live under a sport-related rock you probably heard that the Falcons blew the largest lead ever in a Superbowl and lost to the New England Patriots last February. Despite the crushing loss the Falcons didn't change much coming into this season. Their offense still has almost all of the key pieces that won quarterback Matt Ryan the league MVP trophy last year, and their young and speedy defense is a little more experienced than last season. I expect the Falcons to continue their winning ways from last season and handily win the NFC South, also home to the Panthers, Saints and Buccaneers, this

year.

Moving to the AFC there is going to be intense competition this year in the AFC West. The Chiefs, Broncos and Raiders all won their first two games and look ready to battle with the best. The Chargers, who made the move this off-season to Los Angeles from San Diego, also have a statement to make in their new home. The Broncos have a powerful defense, and an offense only a few years removed from Peyton Manning's Superbowl victory. If Trevor Siemian can

keep evolving his game under center they will likely keep winning. The Kansas City Chiefs have a powerful rookie running back in Kareem Hunt, who along with veteran quarterback Alex Smith might prove too much for opposing defenses. Finally, the Raiders have young gunslinger Derek Carr under center, and they've brought Marshawn Lynch out of retirement to be the power running back they need. The AFC West will probably be the AFC Best this season, so stay tuned for an intense divisional fight.



Keith Allison via Flickr

Bradford Playing Against the Redskins

## Laurier Victors of "Battle of Waterloo"

UW Defeated 24-71



**GABRIELLE KLEMT**  
EDITOR-IN-CHIEF

On Saturday, Waterloo's hopes of continuing an undefeated football season were dashed when they lost to the Laurier Golden Hawks 71-24 in our very own "Battle of Waterloo". Students at both universities were excited about the yearly game in a way they haven't been in years. Tickets for the game were sold out days before the game took place and the atmosphere in the stadium at Warrior Field was electrified. In the last three years, Waterloo's team has won only one game in 24, but this year is looking different in a very thrilling way. Waterloo hasn't had a winning streak this

long since 2003; before the game, the Warriors were tied for the OUA lead at 4-0! And while the defeat against our hometown rivals might seem discouraging, don't start writing off the Warriors just yet; their confidence will hardly be shaken by one loss. If you want to check out our team at one of its next games, they'll be versing the Guelph Gryphons this coming Saturday, September 30, at Warrior Field! Go Warriors!



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# OktoBEERfest

Parades, food, fun, and hoppy drinks



**GABRIELLE KLEMT**  
EDITOR-IN-CHIEF

Hello from your local Bavarian girl! Well perhaps not so Bavarian but I do have a dirndl so I can definitely look the part! I'm here and excited to say that Oktoberfest is coming to Waterloo from October 6 to 14, as it does every year, and it's time to buy your tickets and let that beer flow! "Ein Prosit! Ein Prosit!..."

You may or may not be aware of this, but Kitchener-Waterloo, once named Berlin, hosts the largest Oktoberfest celebrations in the WORLD outside of Munich! There are a lot of cities in the world, but none do beer and music the way we do here in KW... who said people at Waterloo don't know how to

party?

It may seem like a weird tradition, but us Austro-Germans are weird people, and what's so weird about celebrating the "Spirt of Gemütlichkeit", a word that doesn't truly exist in the English language but which means essentially coziness, comfort, relaxation, and contentedness. And what better way to celebrate those feelings than drinking copious amounts of alcohol, well known to bring about feelings of coziness, contentedness, and relaxation. Where did the tradition start, you may be asking, while also googling how to buy yourself a ticket to the festivities? It all originated with the wedding of Prince Ludwig in 1810 to Princess Therese of Saxony-Hildburghausen. They threw a big party in front of the city gates for all of Bavaria to attend, at what has since been named "Theresienwiese" or Theresa's fields.

The day was ended with horse racing and it was such a hit that the next year everyone showed up for another party. This time in addition to horse racing there was an agricultural fair, and so it grew adding carousels and an expanding amusement park.

Beer stands were made available to quench the thirst of attendees. Over the years, the beer stalls exploded in number and tents with long benches began to replace the small stalls of the past, backed by brewing companies.

So where does Waterloo come into it? In 1969 the founders of KW saw the Oktoberfest celebrations at the Concordia Club as a great benefit to the entire community and has supported it ever since!

Last year, our very own walking selfie PM Trudeau came to tap the keg and kick-off Oktoberfest, but what can you

look forward to this year?

## Oktoberfest events 2017

October 6: Opening ceremonies where Margo Jones will tap the keg!

October 7: OktoberFEAST with a variety of food trucks in Uptown Waterloo. Pride-toberfest is also happening that evening with dancing at The Museum!

October 9: KW Oktoberfest 5K Fun Run. Thanksgiving Day Parade attended Miss Oktoberfest!

And throughout the festivities, over 15 Festhallen are open accross KW where you can experience the best of Bavarian culture.

...And Sam Roberts Band will be playing at Bingemans for just \$30!

Grüß vom Oktoberfest! I hope to see you all there getting your Gemütlichkeit on!



46137 via Flickr

Revelers Get into the Spirit of Gemütlichkeit, singing "Ein Prosit" at Oktoberfest in Munich

## Season Three of Broskies on Brewskies

Hi, We're Donovan and Tristan, Your Beer Reviewers and Your Best Friends



**DONOVAN MAUDSLEY**  
**TRISTAN KUEHN**  
4A MECHANICAL  
4A SYSTEMS

BROSKIES ON BREWSKIES

Welcome to another school year, and another volume in the saga of Broskies on Brewskies. This column is now in its third year, and has probably reached full adulthood. I say probably because there is always room to diversify your pallet when dealing with beer, craft or otherwise. This column is also written with our personal opinions in mind. We are by no means craft beer experts, so our

reviews might miss an undertone of malt here or there.

We started with the Muskoka Brewery's Harvest Ale. The Muskoka Brewery has been operating in Bracebridge, Ontario for about 20 years now and has provided us with one of our favourite craft beers, the Detour IPA, so we had high expectations for the Harvest Ale. It is a bitter and full bodied ale with excellent undertones of malt and rye, but it was a little underwhelming. There was also a nice, sweet undertone. This beer felt like it was brewed to be audience friendly, but it didn't really stand out in any particular way. Overall we liked it, but couldn't see ourselves buying a case of it. We gave it three out of five stars.

For our second beer of the night we chose Polly Want A... Pilsner from Hop City Brewing Company in Brampton, Ontario. This was a redemption round for Hop City, as last year we decided to do an issue entirely of Hop City beers and did not like any of them. Polly Want A... was a departure from this trend. Citrusy and light, this craft beer is easily drinkable and would go well with any sort of barbequed meal. However, this beer also did not do anything to stand out. It is advertised as "spicy," a taste which we did not find. Other beers, such as Fire in the Rye from Double Trouble Brewing, do have a heat to them, but this was not present in Polly Want A... Overall, we gave this beer three out of five stars.

Lastly we drank the Release the Hounds Black IPA from the Big Rig Brewery in Kanata, Ontario. This beer intrigued us with its combination of flavours typically found separately in stouts and IPAs. We found that the traits borrowed from a stout overpowered those drawn from traditional IPAs. There were hoppy flavours to be found, but for the most part the beer was heavy and not dissimilar to a Guinness. I liked this beer more than Tristan did, but we settled on a score of three and a half out of five stars. Lovers of dark beers will enjoy this, but those looking for a new and improved IPA will have to look elsewhere.

Until next time, please taste responsibly!

# A Blast From the Past

## Drinking advice from our engineering forefathers

<b>BAR TROUBLESHOOTING CHART</b>		
SYMPTOM	FAULT	ACTION REQUIRED
Drinking fails to give taste and satisfaction — beer unusually pale and clear.	Glass empty.	Find someone who will buy you another beer.
Drinking fails to give taste and satisfaction — shirt front wet.	Mouth open while drinking, or glass applied to wrong part of face.	Buy another beer and practise in front of mirror. Drink as many as needed to perfect drinking technique.
Feet cold and wet.	Glass being held at incorrect angle.	Turn glass other way up, so that open end points toward ceiling.
Feet warm and wet.	Improper bladder control.	Go stand next to nearest dog. After a while, complain to the owner about its lack of house training and demand a beer as compensation.
Bar blurred.	You are looking through the bottom of empty glass.	Find someone who will buy you another beer.
Bar swaying.	Excessive air turbulence, perhaps due to air-hockey game in progress.	Insert broom handle down back of jacket.
Bar moving.	You are being carried out.	Find out if you are being taken to another bar. If not, complain loudly that you are being kidnapped by the Salvation Army.
Opposite wall is covered with ceiling tiles, and has a fluorescent light strip across it.	You have fallen over backward.	If your glass is full and no one is standing on your drinking arm, stay put. If not, get someone to help you get up; lash yourself to the bar.
Everything has gone dim, and you have a mouthful of cigarette butts.	You have fallen over forward.	See above.
Everything has gone dark.	The bar is closing.	Panic.
You awaken to find your bed hard, cold and wet. You cannot see your bedroom walls or ceiling.	You have spent the night in the gutter.	Check your watch to see if the bars are open yet. If not, treat yourself to a lie-in.

October 2, 1987

Iron Warrior

11

## Trump Incites Fight With Sports Figures



**DONOVAN MAUDSLEY**  
4A MECHANICAL

Some argue that professionals who are paid to do something in the eyes of the public should do only that. Meteorologists should just report on the weather, federal politicians shouldn't try to influence legislation at different levels of government, et cetera. These people argue that if someone isn't an expert in the field they should keep their mouth closed and move on; they're not getting paid for it so they should leave it alone. This is where the freedom of speech law comes into play though: a private individual is allowed to share their opinions however they choose and shouldn't be faulted for it. It is with this that the President of the United States

has an issue.

The issue in question dates back to last season in the National Football League when then 49ers quarterback Colin Kaepernick began kneeling during the national anthem as a peaceful protest against police brutality in America. This protest was seen as horrendous to many, as a slight on their great nation. Kaepernick intended only to bring the issue more into the public eye every week, and keep the conversation about police brutality and systemic racism going. This season Kaepernick is not playing in the NFL even though he easily has the talent for it; no team will sign him in order to avoid the negative press surrounding his protest.

President Trump commented on Kaepernick's protest early this month, saying "Wouldn't you love to see one of these NFL owners, when somebody disrespects our flag, to say 'Get that son of a b---- off

the field right now, out, he's fired!'" This came as quite a contrast to the remarks he made earlier this year about white supremacists, whom he called "very fine people." This week was the first time that NFL organizations have had the opportunity to respond to the President's remarks, and nearly every team has shown some support. This ranged from players kneeling during the anthem, to players ignoring the anthem entirely, to teams joining each other arm in arm. Two teams, the Seattle Seahawks and the Tennessee Titans, even remained in their dressing rooms during the anthem.

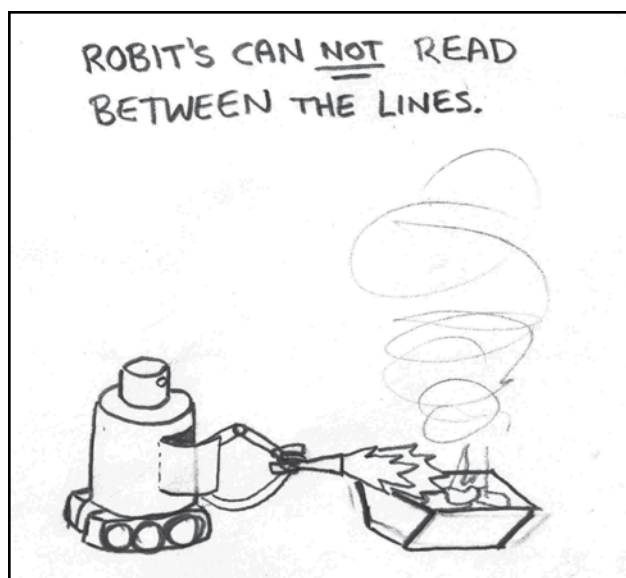
President Trump has also called for the resignation of ESPN anchor Jemele Hill. Hill posted on her own private Twitter account that President Trump was a "white supremacist" and "a bigot." This was responded to by White House Press Secretary Sarah Huckabee Sanders who said

that this constituted a "fireable offence." ESPN has since taken measures to distance itself from Hill, and reminded all of their employees that their job is to report on sports news.

President Trump also recently took a shot on Twitter at NBA star Stephen Curry, of the Golden State Warriors. Curry has criticized Trump in the past and was said to be hesitant about visiting the White House as a representative of the NBA championship team. Trump then tweeted and uninvited Curry. Another NBA superstar, LeBron James, then tweeted and attacked the President right back, calling him a "bum", leading to one of my all time favourite press releases, from Warriors head coach Steve Kerr. Kerr explains that he doesn't have the right qualities to be the President of the United States, and instead has qualities that make him a good coach: patience, composure, and the ability to be criticized.

## How to Train Your Robit

BY LEAH KRISTUFEK AND BRYAN MAILLOUX  
CHEMICAL 2016 AND 3B MECHATRONICS



# “Unconquerable” Athletes Crush Sports

## Invictus Games Kick Off in Toronto



**GABRIELLE KLEMT**  
EDITOR-IN-CHIEF

On Saturday September 23rd, thousands of people descended on Toronto from across the Commonwealth to celebrate the first day of the Invictus Games and the Opening Ceremonies that night. Acts at the event included stars like Sarah McLachlan and Alessia Cara but some smaller acts as well. The Trenton Military Wives' Choir, founded by Melanie Zukowski as a way to deal with feelings of loneliness

when her husband was away on duty, performed in front of a massive audience.

The star-studded first night was attended by US First Lady Melania Trump, Governor General of Canada David Johnston, and comedian Mike Meyers. PM Justin Trudeau spoke to the athletes: “You’re not just here to inspire, you’re here to win”, although the athletes at the Games will be doing a lot of the former. The Games were founded in 2014 by Prince Harry after a trip to the Warrior Games in the USA in 2013. He saw the healing that was taking place in these injured and sick soldiers, not only physically but socially and psychologically as well, and determined to

# INVICTUS GAMES

TORONTO 2017

Invictus games via Wikimedia Commons

not wanting the other guys to either”.

do something himself. As he put it at the Opening Ceremonies, “I knew it was my responsibility to use a great platform that I have to help the world understand and be inspired by the spirit of those who wear the uniform”.

The name “Invictus Games” comes from the poem Invictus by William Ernest Henley, with its message of an “unconquerable soul”. Prince Harry’s closing remarks after the first Invictus Games in 2014 reflect this idea of a soul that can’t be defeated: “These Games have shone a spotlight on the ‘unconquerable’ character of service men and women and their families and their ‘Invictus’ spirit. These Games have been about seeing guys sprinting for the finish line and then turning round to clap the last man in. They have been about teammates choosing to cross the line together, not wanting to come second, but

The first day of the competition began with wheelchair tennis and athletic heats. Sunday saw the start of the track-and-field events at the York Lions Stadium which continued over Monday. Canadians have already begun distinguishing themselves, winning medals in shotput, IT5 400-metre, 200-metre, and IT5 100-metre. If you’re curious about any of the events taking place over the week, information can be found at [www.invictusgames2017.com](http://www.invictusgames2017.com), along with the complete athletics schedule.

Prince Harry also attended the Duke of Edinburgh International Gold Award Ceremony at the Royal York Hotel on Sunday. Founded by his grandfather, Prince Phillip in 1963, the Award encourages young people to set their own challenges and goals, and become leaders in their communities.



DoD News Features via Wikimedia Commons

**Retired U.S. Marine Corps Sgt. Anthony McDaniel after a Collision in Wheelchair Rugby at the 2016 Invictus Games**

## Social MADia

### Crazy Facebook Campaigns Accompany Hurricane Alerts



**STONE HE**  
1A MECHANICAL

In 2017 we’ve seen more hurricanes than the average in the past 30 years, and there’s no shortage of social media coverage for it.

One type that is easily shared is pictures, or more specifically, memes. Memes are not always pictures, but are usually associated with an image. For example, a photo of Steve Harvey was pasted on top of a satellite image of Hurricane Harvey. However, this was an existing concept as it has been repeated in the past years.

There were also original pictures that garnered attention on social media. One trending photo consisted of a cat swimming through the water after Hurricane Harvey hit Texas. What made this image viral was the humorously angry expression on the cat’s face while it swam through the flood waters. The meme was shared on Reddit, Twitter, and Facebook, and became exploitable through the captions people came up with.

Internet pictures were not the only sensations that were about the hurricanes on social media. A series of troll-ish groups and events emerged on Facebook. For example, when Hurricane Irma was approaching Florida, there was a Facebook event titled Everyone Points Their Fans At The Hurricane To Blow It Away happening on the 7th of September. The description of the event encouraged people to use fans, and even air compressors and blowguns, to blow Hurricane Irma away. Over 59 000 were going to this event, and some even shared photos of their fans pointing towards the hurricane.

These troll events were absurd and funny, but some participants took them too seriously. Another example was a Facebook event for shooting bullets at Hurricane Irma. A Facebook group titled Shoot at Hurricane Irma had around 27 000 participants going and 53 000 users interested. Even though group creator Ryon Edwards said it was a joke, some actually considered taking out a gun and shooting bullets into the sky. This led to the local police groups in Florida issuing a warning for people not to shoot their guns at the hurricane. It’s clear that these so-

cial media trends are meant to be humorous and lighthearted, but people who take them seriously could harm themselves and others.

We’ve seen much social media coverage related to 2017’s hurricanes. There were

memes and events that garnered significant attention, yet it is advisable to not take them too seriously. We’ll have to see what social media will say when the hurricane season of 2018 comes around.

## Welcome New Students

BY LEAH KRISTUFEK  
CHEMICAL 2016



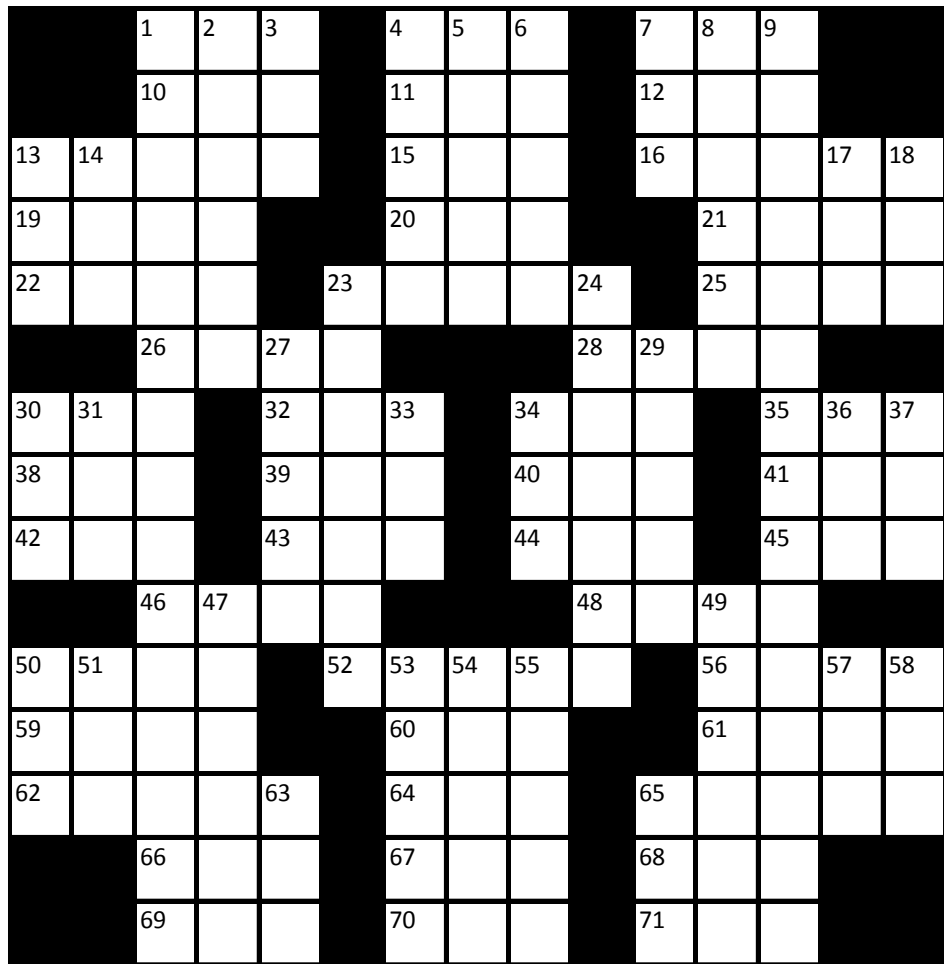
SEP Everyone Vape Towards Hurricane Irma

In case you were wondering, hurricanes really don’t care if you vape at them.

# The Iron Crossword

Things That Go Bump in the Night

**CAMERON SOLTYS**  
4N MECHANICAL



**ACROSS**

- 1: Informal online interview (abbr)
- 4: Still
- 7: Sound made when hit in the chest
- 10: Feline
- 11: Spanish for "gold"
- 12: Fortified Caucasian town
- 13: Hammer and \_\_\_\_
- 15: Container of ashes
- 16: Way of writing
- 19: Naive creatures of H. G. Wells' The Time Machine
- 20: Prefix indicating not
- 21: \_\_\_\_ Skeeter, Harry Potter journalist
- 22: Group formed around a shared interest
- 23: Green swamp monsters
- 25: Individual in a group
- 26: Religious women in black and white
- 28: Horizontally tall
- 30: Healthy and lean
- 32: "\_\_\_\_ the end of the world as we know

it!" lyric

- 34: The Princess and the \_\_\_\_
- 35: Wager
- 38: Measure of printing resolution (abbr)
- 39: American conservative gun lobby
- 40: Internet service that converts URLs to IPs
- 41: Approximate duration til meeting (abbr)
- 42: Jogged
- 43: Dance
- 44: Foreign Direct Investment (abbr)
- 45: Female possessive
- 46: Paste made from avocado (abbr)
- 48: Oil company who's name is derived from "Standard Oil"
- 50: Sound of ridicule
- 52: Superlative
- 56: Covered, especially by metal
- 59: Goes behind the horse
- 60: Unit of electrical resistivity
- 61: Opposite of subtracts

- 62: Sounded a sheep sound
- 64: Fish by letting bait bob in the water
- 65: Stylish one-piece female garment
- 66: Program to give engineering student research experience (abbr)
- 67: Extinction level event (abbr)
- 68: Hearing organ
- 69: High-speed internet via copper cable (abbr)
- 70: Psychedelic drug known as acid (abbr)
- 71: Stomach muscles (abbr)

**DOWN**

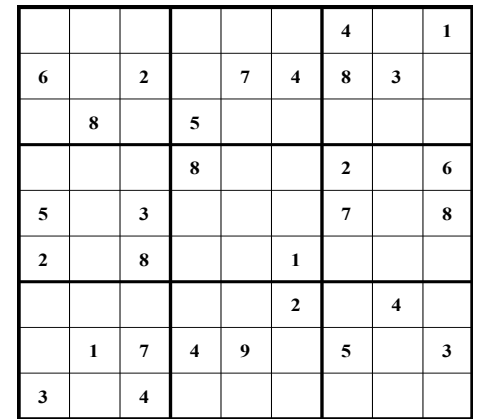
- 1: Forging financial documents
- 2: California town of the rich and famous
- 3: Past tense of 18 Down
- 4: Weakly aged
- 5: Mistake
- 6: 2000 lbs
- 7: Canada's general pension plan (abbr)
- 8: What she has to do to win the race
- 9: Floating large-eyed monsters in D&D
- 13: 1/60 min
- 14: Sick
- 17: Workplace injury that results in time away (abbr)
- 18: Present tense of 3 Down
- 23: Large flightless bird of Africa
- 24: \_\_\_\_ man, tall mysterious creepypasta figure
- 27: Covert Japanese warrior
- 29: Band of "Wonderwall"
- 30: American President during WWII
- 31: Light, hoppy beer
- 33: Bow under weight
- 34: Document format designed to be very reproducible
- 36: French for "summer"
- 37: \_\_\_\_ and feather
- 47: Says
- 49: Beautiful Egyptian beetle
- 50: Plate for creating electrical circuits
- 51: US agency that controls planes and flying objects
- 53: Traditional European alpine singing
- 54: \_\_\_\_ Grandson's Place, bar in Waterloo
- 55: Fix an object firmly
- 57: How most websites pay hosting fees
- 58: Duplex Stainless Steel (abbr)
- 63: University in Halifax (abbr)
- 65: US organization to combat drug use

# Sudoku

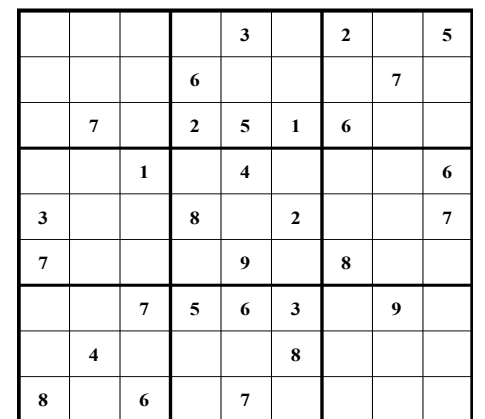
#2017-11

**BRYAN MAILLOUX**  
3B MECHATRONICS

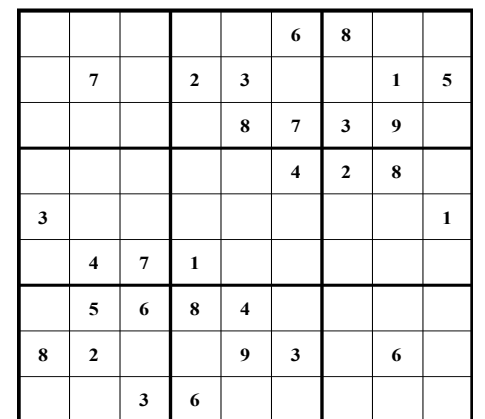
Medium



Hard



Very Hard



Solutions for previous crosswords can be found on *The Iron Warrior's* website at [iwarrior.uwaterloo.ca/distractions](http://iwarrior.uwaterloo.ca/distractions).

**THE IRON INQUISITION**  
Kai Huang, 1A Computer

*"How long could you survive on campus with just a backpack?"*



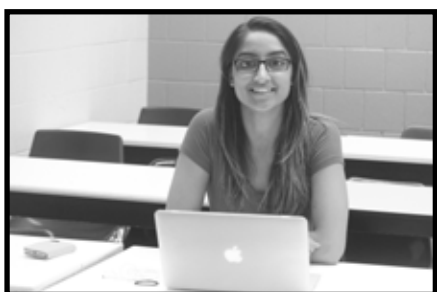
*"Depending on showers and sleeping in POETS. Probably up to 10 months."*  
Benjamin, 2B Environmental



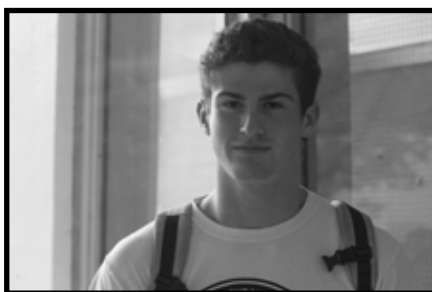
*"A long time... 10 months."*  
Stewart, 3B PoliSci



*"Probably a decent amount of time. I would give myself a month."*  
Emily, 1A Planning



*"Does campus include the CIF? I would be able to live here as long as I needed."*  
Ishrat, 4A Science



*"I could survive 2 months."*  
Nathan, 1A Mechatronics



*"3.5 days. What's the point without steak?"*  
Andrew, 2B Geological

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Co-Founder, Thalmic Labs  
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