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## Hong Kong Activists Protest for Universal Suffrage



Shiv

Protestors in Hong Kong hold signs in peaceful, organized gatherings which emphasise any government violence used against protestors

**SHERWIN KWAN**  
4A MECHANICAL

Pro-democracy citizens of Hong Kong have taken to the streets over the past two weeks, engaging in a massive sit-in in response to a recent proposal from the National People's Congress of China for election reform in Hong Kong. The protest movement has spawned such symbols of resistance as the umbrella (a dual purpose anti-rain/anti-tear gas tool) and the yellow ribbon, and has now reached a state of impasse – protesters now permanently occupy several arterial roads and squares, but the Chinese government has shown no signs of backing down. Sporadic violence has occurred, but the protesters have avoided violence and police have, with a few notable exceptions, kept restraint.

### Background

This protest movement has a complex history. The Basic Law – the constitution set up after Hong Kong's return to Chinese sovereignty in 1997 – states that the leader of Hong Kong, the Chief Executive, shall be chosen "by election or through consultations," with the "ultimate aim ... of universal suffrage." Basic Law also guarantees fundamental freedoms, and the "capitalist system and way of life" in Hong Kong is to remain unchanged at least 50 years. While many citizens of Hong Kong interpreted these as promises that they would soon be able to elect their leaders, the Chinese government has yet to commit to a date when

free and fair elections can be held. In their defense, the Basic Law specifies no timeline for transition to democracy, so China is not legally obligated to do so.

Hong Kong is currently run as a special administrative region (SAR) of China, with its own legal and economic system (inherited from the British colonial era) and a regional government under a Chief Executive. While largely autonomous in local affairs, the HK government has maintained close relations with the central government and discouraged public anti-Beijing movements.

Currently, there are elections for Chief Executive and legislature, but I'm using the word "election" loosely. Every adult citizen is given one vote for the legislature – however, legal persons known as "functional constituencies" (FCs), including businesses, banks, and trade unions, also have voting rights. An infamous example is HSBC, which has five subsidiaries so its CEO can vote six times (in addition to his vote as a private citizen). In elections for the Chief Executive, the FCs are the only ones given a vote – ordinary citizens have no say. The rationale for this system is that since these organizations play a vital role in the economy of Hong Kong, they should be given a greater say. Critics, however, point out that this essentially rigs the election in favor of candidates sympathetic to Beijing – as most of these organizations do business in China and have an incentive to not anger the regime. In the 2012 legislative election, pro-Beijing candidates got just

43% of the vote – but received a 61% majority of seats in the legislature anyways. The system is a de facto plutocracy.

### Dramatis Personae

Over the past few years, there has been a surge of support for opposition groups. One of the most prominent is Scholarism, a high school student body, which was originally founded by student Joshua Wong in 2012 to combat Hong Kong government efforts to introduce nationalist material into the curriculum. The group received wide public support, and successfully got the HK government to scrap plans for the new curriculum.

The Hong Kong Federation of Students (HKFS) is currently led by Alex Chow and Lester Shum. Founded in 1958, their original purpose was to represent university students in meetings with administrators, much like Feds at UWaterloo, but since the 1989 massacre of student protesters in Beijing, they have become very involved in politics, often intervening to promote democratic reforms or criticize government policies they see as misguided.

There are several political parties in Hong Kong which support democratic reform. In 2013, a coalition known as the Alliance for True Democracy (ATD) was formed by 27 legislators, and has produced several concrete proposals for a new election system for Chief Executive and legislature. Prominent members include Emily Lau of the Democratic Party, Alan Leong of the Civic Party, and the socialist "Long

Hair" Leung.

In 2013, law professor Benny Tai, sociologist Chan Kin-Man, and cleric Chu Yiu-Ming released the Occupy Central Manifesto, in which they threatened to start a non-violent "occupation" movement in response to any unfavorable election reform proposal from the Chinese government.

Other groups which are on the record as supporting or sympathizing with the democratic reform movement include the Hong Kong teachers' union and several other labour unions, the Bar Association, as well as some religious groups including the Catholic Church.

Opponents of the protest include the cabinet currently in power in Hong Kong, including Chief Executive Leung Chun-Ying and Secretary for Administration Carrie Lam. Many businesses have spoken out against the protests, including the Big Four accounting firms and the Hong Kong Chamber of Commerce under Y.K. Pang. Political parties such as the Democratic Alliance for the Betterment of Hong Kong (DAB), led by Tam Yiu-Ching, which are normally aligned with Beijing, have called for restraint on the part of the protesters. The Silent Majority, an anti-protest group led by Robert Chow, has organized a counter-protest under the slogan "Democracy without Chaos".

It must be clarified that opponents of the protest do not necessarily disagree with the goal of democratic reform. Some just don't

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# School - Not Just for the Young



**LEAH KRISTUFEK**  
EDITOR-IN-CHIEF

Hello Everyone!

Here we are, another newspaper out on the stands, another couple of weeks gone. Thanks to all my wonderful writers, this issue is jam packed with tons of exciting things! I've been faced with the happy problem of having too many articles to fit into the newspaper! The copy editors and layout whizzes make all of this possible! So thanks everyone!

This school term has certainly gotten going with a vengeance. Between assignments, interviews and midterms I have been kept quite busy. On top of that there is the added fun of making family plans for the Thanksgiving weekend. This year, my sister is off milking cows in New Zealand, so our family unit is greatly diminished in size.

The fact that she is over there instead of being in Guelph in the midst of her second year studying Agricultural science is in itself a point of contention. Getting a university education has always been important to my parents because they insist that it teaches you how to think about and approach problems. Initially when my sister found out about the job abroad my parents offered to pay her plane ticket – if she came back in time to start the Fall semester. Ultimately they are still paying for her flight, but she has managed to wrangle a break from a full year of school.

This week I want to talk about people whose educations did not flow smoothly from high school to University. We're going to start out with one of my oldest classmates, someone with greying hair whose entire childhood took place pre-internet. ("What is the facebook?")

I first met Jim in 1A. The Chem Eng's were practically living in Bio 1, and Jim and I tended to take the seats on the outside where you had more space to stretch out. (Picture the old RCH 101 seating, but worse.) Jim is a big relatively muscular guy and at first few of us wanted to approach him. Why was this old guy in our class? Over time, however, the shared stress of engineering classes got us to discussing class things. Was our Linear Algebra prof actually speaking English? We definitely had not learned this craziness in elementary school as he kept insisting!

The phrase "Explain it to me like I'm a four year old" became very common to hear from Jim. It helps that he had a four year old at home, so he knew exactly what he was asking. By the end of 1A, I was completely lost in Linear Algebra, so I made a trade he couldn't refuse. If he would give me a copy of his notes, I would baby sit his two kids so he and his wife could get out and do something fun! Thanks to those notes I passed the course, and I got the added bonus of to play Lego with his kids. A definite win-win!

Now you might be asking, why is he here now? Why put yourself through the pains of studying engineering when you could do

business or a college course with considerably less of a time requirement? For an in depth answer you'll have to ask Jim himself. Perhaps what it comes down to is that not all of us have it together when we first leave high school. For Jim, it wasn't the brains that he needed, but the perseverance.

After brief adventures in the United States, Jim returned to Canada to partake in what most parents might consider to be the logical next step for an unruly child, the military. So Jim began his first career as a military man serving in the Canadian Forces. I presume he had many adventures over his time in the army, and he saw the inside of many foreign bases including Italy and Germany.

All good things come to an end however. In Jim's case, a training accident where a vehicle he was riding in the back of flipped caused him to be medically discharged. The Infantry is great for teaching you to survive long hikes with huge packs, being dropped from planes and numerous consecutive hours of mind numbing boredom. However, it doesn't really set you up for a civilian job.

So he worked in construction type jobs as a labourer. I'm not entirely sure what the progression was but inevitably while his kids were small (they still are, let's be honest), Jim redid the necessary high school courses and applied to Chemical Engineering at UW!

Life as a mature student is certainly different. Jim and his wife own a house and a car, they have old friends who visit them and neighbours that they want to maintain friendships with. They take their kids to museums and Zoo's on the weekends. Jim's wife works the typical 9-5 workday so when kids are sick or daycare has unexpectedly closed, they have to work it into their schedules, even if it's the day of an exam. It's a scheduled life, much more than mine, that's for sure!

It is a brave thing to restart, more so when you have a lot riding on your success. Our education is an investment into our future and that of whatever family and dependents we end up having. As a twenty something, this is a time for messing up and learning about ourselves. We are investing in our futures, but we aren't committing to them.

That brings me around to the money side of things. Engineering tuition and fees are expensive! OSAP looks at assets like owning a house and a car when it is determining your funding eligibility. It is argued that you don't truly need help paying for school until all of those other assets have been liquidated. Not qualifying for OSAP takes away the potential to receive certain bursaries and disqualifies you from certain jobs. It is similar to how the welfare system works, where they won't help people get back on their feet until the person has lost all their material wealth. Having lost everything, including assets like their car and/or house, greatly magnifies their struggles in getting back on their feet. In Jim's case, he initially received OSAP only to have it taken back from him, which was a challenge.

Co-op jobs are also impacted by being both a full time student AND a dad. You can't just apply anywhere when you have kids and

a house. Especially applying to jobs in first year, limiting yourself to the greater KW area is challenging. Heck, even applying any and everywhere, it's pretty tough to get hired. Although Jim has superior soft skills, he was just as new to lab work as the rest of us!

Going to post secondary when you are well out of your 20's is definitely different from doing it fresh out of high school. True, you are older and wiser than you were, and possibly more disciplined as well. However, you lose out on the parental safety blanket many of us enjoy; you can't afford to mess up and do over as much. The education system is really aimed at us young 20 something's, but in reality you never really stop learning and it's a fact that we shouldn't forget.

The second person I'm going to mention, albeit briefly, is my grandfather. Growing up in the small town of Lukavec, Czech Republic in the 1930's, he was privileged to be the son of a high school principal. Although he missed a year or so of High School at the height of the war, his education progressed fairly normally. However, in early 1949 the communist party fully came to power. With this power shift, my grandfather's university career was stopped abruptly. Part way through his second year, his energies were forcibly redirected to more physical labours like tending fields. He was kicked out not for bad conduct or bad grades, but for the simple reason that Intellectuals, like school principals, were not looked upon favourably in the soviet occupied country.

In the years that followed, he ran across the border in the dead of night, worked on jeeps in an American run refugee camp and even attended Masaryk University for Czechoslovakia students in exile. He was bounced around to countries like Sweden and Denmark. Eventually he arrived in Canada. It was 1951, almost three years since he was studying in his home country. After learning English, he enrolled at U of T for the final year of his Mechanical Engineering degree.

It's tough to say what might have happened to my grandfather if he hadn't come to Canada, where he could become a citizen and put down new roots. At the time, being a refugee in Europe was not terrible but it also didn't lend itself to permanence. Although food and shelter could be scarce, there was a large emphasis on rehabilitation. Many families opened their homes so that my grandfather could stay with them and attend school.

Ultimately, all this time and effort that we put in to school culminates with a piece of paper. Not having that piece of paper does not devalue your contributions to society as a whole. Whether you did university or college or went directly into the workforce, you will always be learning. However, that piece of paper does signify the dedication and discipline it took to really learn about your topic of study. The countless hours spent sitting with textbooks or working a part time job to pay for all of it, all becomes worthwhile.

As midterms and interviews intensify, all I can really do is wish you luck. If not now, I know you will get it someday!

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The Newspaper of the University  
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**Issue #2 Deadline: Friday, October 24 at 6:00pm for publication on Wednesday, October 29, 2014**

Send your submissions to [iwarrior@uwaterloo.ca](mailto:iwarrior@uwaterloo.ca)

**Fall 2014 Publication Schedule: October 29, November 12, November 26**

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.

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# Counselling Services — Find your Courage

Taking the step towards a healthier state of mind



**DAVID  
BIRNBAUM**  
3B CIVIL

I could not for the life of me figure out how to start this article. I don't know if that is because this is the first real article I've ever written, or because I am a terrible writer in general, or if because, even more than a year after my first visit, I still have a stigma about having gone to see counselling services. It is most likely a combination of numbers 2 and 3, but regardless, here we are now, 82 words in and the article officially started; there's no going back.

I am writing this article with two main purposes. First is to help reduce the stigma around counselling services, even if just by you knowing one more person who has used them. And more importantly, to hopefully help you find the courage to go and seek help when you need it, even if you yourself have that stigma.

I had been feeling crappy for a few weeks straight. I use the word crappy as that was the only way I could describe it to the counsellor back then too. There was nothing I was particularly mad or sad about, I just felt like crap. I think after about a week of feeling all around crappy, I started to think about seeing counselling services. Just as soon as I started to have that thought, so too did I start to have all of the thoughts come to my head from my own stigma around counselling. They ranged from "I don't actually need help" to "counselling is for crazy people," with just about everything else in between. There was also the worry of ANYONE I knew finding out, and thinking less of me, or god forbid questioning my ability as EngSoc President.

I let the stigma drown out my own desires for help for probably two weeks,

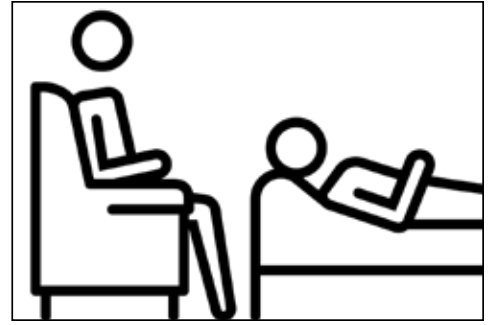
until I found my courage. One morning I got to campus, as I normally do. I went to go to the Tim Horton's in South Campus Hall and there was a long line, as there normally is. On that particular morning I wasn't going to wait, so I decided to walk to the Tim's in the SLC with the hopes of a shorter line. After my encounter with the SLC Tim's (I believe it ended badly) I started to head back. I don't recall exactly what went through my head, but it was probably along the lines of "I am on this side of campus anyway, let's just go see what's up there."

I walked up to Counselling Services (Needles Hall Room 2080), my body already starting to overheat from nerves, and asked to see a counsellor. I was told there was an appointment available in approximately 2 hours, as there had been a cancellation. Great, I'll take it. I go to sit in the waiting area, and the receptionist informs me that I can go and come back if I wish. I tell her no thank you, I will just stay. I do that because it took nearly everything I had to walk into that room the first time, and I was worried that

me being skeptical and my body hot the whole time, and we made an appointment to see each other again.

I would be lying if I told you that I felt immediate relief upon leaving that room. In all honesty, I felt worse. The walk from Needles Hall to CPH felt like one of the longest of my life, with a weight on my eyes the entire time. That's when I called my sister, and told her I had gone to see counselling services. I am almost certain I told my sister on the phone that I wasn't crazy, but she knew that. She listened, told me she was happy that I went to get help, and that she loves me. And there it was, the heavy weight lifted from me, and that relief I had wanted for weeks finally starting to arrive. Even after having gone to counselling services, my own stigmas were stronger than my sisters, and preventing the counselling from actually being able to help me. I am forever grateful to my sister for that conversation.

For me, having someone know I went, and accepting me



life? It doesn't, of course. I went to see counselling for two or three more weeks, and then I felt much better, and decided I didn't really need to go anymore. The counsellor was supportive of that decision, and we agreed that if I ever needed an appointment again, I would just book one.

There wasn't anything magical about counselling services. I didn't do most of the exercises they recommended, again because of my own stigma and skepticism. Although to my surprise the couple I attempted did work. I only went for three sessions. But even with that, I cannot emphasize enough how much it helped me. There is something to be said for someone that is just there to listen, to provide support, and that doesn't pass judgement.

I have gone back to counselling since, at a time in my life when it felt I was losing control of it. That time was much easier for me. I implore you, if you do ever feel like you need counselling, if your life is stuck in a rut, or if you just feel like crap, do please go and see counselling services. You can go to Needles Hall or the Engineering First Year Office (CPH 1320). I promise you, the hardest part is getting yourself to that first appointment.

I hope if the time comes that you do decide you want counselling, that you find the courage to go. And if there is anyone in that situation right now, trying to find the courage to get in that seat; remember, my courage was a long Tim Horton's line, let this article serve as yours. But if you can't that's fine, let me know; I have been to Needles Hall, I can walk you there.

## Counselling SERVICES

I wouldn't have the strength to do it again.

The whole time I am waiting, the different stigmas keep flying into my head. Luckily, one thought overpowered them all; "I am not happy." That is the thought that drove me there in the first place, and that is the thought that kept me there. When the time came for my appointment, I went in, sat, and talked for an hour. We went through what's happening in my life, why I might be feeling this way, and various actions I could take to try to improve my "crappiness." The hour went by, with

with that, meant a lot. That might not be necessary for you, I am only highlighting it as something to keep an eye out for, so you don't write off counselling if you are in a similar situation.

Even at that point, as I started to feel relieved, better about my whole situation, I was worried. I had seen counselling, and made an appointment to go again, did that mean I was going to have a weekly appointment for the rest of my

# California Bill Shifts Burden of Proof in Campus Rape

Accused Must Prove Innocence Rather Than Guilt



**LUNA LOVEGOOD**  
4T TRANSGURATION

REAL TALK WITH NARGLES

On September 28, 2014, California Governor Jerry Brown signed into law SB 967. This bill, introduced in February, is a response to the thousands of allegations of campus rape and the subsequent miscarriages of justice by incompetent college tribunals by addressing the difficulty in prosecuting sexual assaults.

SB 967 will require the university and college students of California to obtain verifiable "affirmative consent" before and during sexual activity - that being the affirmative, conscious, and voluntary agreement to engage in sex. Silence - the absence of a "no" - is not recognized as consent under the bill, no matter how involved or sexually excited the partner may be.

The bill also relaxes the standards of evidence required to convict alleged rapists in college tribunals: rather than being presumed innocent until found guilty, they will now be tried on a "preponderance of the evidence". This standard is similar to that of the

"balance of probabilities" used in civil law. If a court determines that a person has a 51% chance of having committed sexual assault, they will be found guilty. The standard of proof required for all other criminal evidences is "beyond a reasonable doubt." Establishing such a double standard in criminal law - even if only in university tribunals - is a travesty.

Furthermore, the burden of proof will be shifted onto the accused. The accused must now prove that their partner consented, rather than their accuser having to prove that they did not consent. Both are difficult endeavours in the absence of witnesses or physical evidence. But "guilty until proved innocent" is not how the law is supposed to work. The law's obligation to protect innocents should outweigh the law's obligation to punish the guilty.

Assemblywoman and bill co-author Bonnie Lowenthal, when asked how a student could demonstrate that they received affirmative consent, replied "Your guess is as good as mine." Well, I've got the answer for you. In addition to a notarized document signed in triplicate by you, your intended, and two witnesses, any participants in the act must continually and clearly answer to the affirmative while being filmed

on camera, just in case someone is later accused of rape.

This ham-handed perversion of justice is well-intended, but unwelcome. It is difficult to provide evidence in sexual assault cases: having the word of one participant against another, in what is likely to be a private or isolated area, with no recording. Victims may also delay in obtaining physical evidence, such as the results of a medical examination, due to the stigma against both males and females who have been subjected to sexual assault. However, tipping the tables just so that the accused can be convicted more easily is completely wrong. No other crime subjects the accused to prove their own innocence. No other crime convicts on a balance of probabilities.

Why would California even want to allow universities and colleges to make rulings on sexual assault? Their punishments are limited to sanctions like warnings, suspensions, and expulsion, and campus tribunals are only qualified to make rulings on human rights violations, workplace hazards, academic integrity, and other university policies, WHIMIS, sensitivity training, Policy 71, and rape: one of these is not like the other.

Campus tribunals should not be allowed to play judge, jury, and executioner on

serious crimes like assault, murder, and rape. The Assembly is wrong in giving unqualified tribunals the tools to more easily ruin the lives of innocents. This is like giving a toddler a horse because he can't climb the stairs on his own. The toddler shouldn't be on the stairs in the first place.

Instead, university and college staff should provide resources and guidance to assist both accused and accuser in a timely and compassionate manner. Unfortunately, victims of sexual assault are often reluctant to go to the police, due to the insensitive way that officers often treat victims. This in turn stems from our own cultural biases: the belief that men can't be raped, and that women are asking for it.

The California assembly cannot change the social prejudices of a state with a bill, but sometimes, clumsy legislation is the only tool that we can work with. When the Supreme Court inevitably strikes down SB 967, the Assembly should aim not to change the law regarding what constitutes consent: they should develop guidelines for police officers to treat victims of sexual assault more compassionately and without prejudice. Perhaps they'll pass such a legislation when Crumpled-Horned Snorkacks fly.

# Developments in McGill University Hospital Fraud Charges



**ANDREW  
MCMAHON**  
4A ENVIRONMENTAL

One week ago the Federal Crime Court of Switzerland accepted a guilty plea from a former SNC-Lavalin (SNC) senior executive, accused of fraud, corruption and money laundering. The accepted deal was put forward on the fourth of August and sentences Riadh Ben Aissa, SNC's former head of construction to three years in jail (of which he has served 29 months) and ordered him to repay millions of dollars to the company. These charges are related to SNC's business in Libya, where Ben Aissa bribed Saadi Gadhafi, son of Libya's late dictator Moammar Gadhafi, and also pocketed tens of millions of dollars.

SNC, who was recognized by the Swiss Court as an "injured party" will be able to recover \$16 million from Ben Aissa's seized bank accounts. Ben Aissa is the first SNC executive to be convicted with bribery and corruption-related offenses

stemming from activities in Libya, Bangladesh, Algeria and Montreal. The company has undergone a complete overhaul since the problems surfaced, replacing top executives and launching an ethics and compliance program to ensure it does business with integrity. SNC's reputation has taken a big hit as a result of the major corruption case, spooking investors and reducing the company's market value.

This conviction opens up the opportunity for Ben Aissa to be extradited to Canada where he is accused of an estimated \$22.5 million worth of fraud involving the McGill University Health Centre (MUHC), one of Canada's largest infrastructure projects. The lucrative contract worth \$1.3 billion was finalized in 2010 and under the scheme, high-ranking SNC executives allegedly paid off Arthur Porter and Yanai Elbaz, officials with the MUHC to obtain the contract.

There are a total of nine individuals facing charges related to the MUHC contract including SNC employees Pierre Duhaime, the previously mentioned Raidh Ben Aissa, and Stephane Roy. The others facing charges include Arthur Por-

ter, Pamela Porter, Yanai Elbaz, Yohann Elbaz, Jeremy Morris, and St-Clair Martin Armitage.

Pierre Duhaime, ex-CEO of SNC was forced to resign in March of 2012 amid internal audits, and was arrested later that year on charges of fraud, conspiracy and issuing false documents.

Previously mentioned Raidh Ben Aissa, ex-vice president of SNC was forced to resign in February 2012 and was arrested 2 months later in Switzerland accused of bribery and corruption in dealings with Libya.

Stephane Roy, ex-vice president of SNC was charged in 2014 with foreign bribery, fraud, and defying a UN resolution.

Dr. Arthur Porter, former McGill hospital CEO, was arrested at a Panama airport in May 2013. Porter remains in a Panama prison and is fighting extradition to Canada where he is wanted on charges of fraud, conspiracy, breach of trust, taking secret commissions and money laundering.

Pamela Porter is a radiation technologist and wife to Arthur Porter. She was

living in the Bahamas raising their four children until she was arrested in Panama alongside her husband. She was extradited to Canada where she is being held pending trial in Montreal.

Yanai Elbaz, former director of redevelopment for the MUHC, worked closely with executive director Arthur Porter. He was arrested in February 2013 and charged with conspiracy to commit fraud.

Yohann Elbaz is a lawyer and brother of Yanai Elbaz. He was arrested in April of 2013 on charges including fraud and money laundering.

St-Clair Martin Armitage is a British consultant specializing in public-private partnerships wrote a report influencing the granting of the MUHC project. He was released on bail in June and awaits charges of conspiracy, fraud, and breach of trust.

Jeremy Morris is a Bahamian lawyer who was a principal in shell companies used to funnel payments from SNC to MUHC executives. He surrendered to police in Montreal in March 2013 and awaits trial on charges of fraud, conspiracy, and laundering proceeds of crime.

## ISIS Recruits Westerners



**RATAN  
VARGHESE**  
1A ELECTRICAL

On Friday October 3, 2014, Prime Minister Stephen Harper announced plans to send CF-18 fighter jets to Iraq to bomb ISIS, perhaps for as long as six months. He also outlined how Canada would provide humanitarian aid to Iraqi refugees. In his speech to MPs, he said that "being a free rider means you are not taken seriously," pointing out how several of Canada's allies have already started engaging ISIS. Although Harper has promised not to send any Canadian ground forces to Iraq, it is worth noting that some Canadians have already joined the conflict: the ones who ISIS recruited.

After the United States began its airstrike campaign against ISIS in August, over 6000 people have been recruited to the extremist group. At least 1300 of the recruits are not from Syria or Iraq. On September 24, CBC reported that a 20-year-old man from Hamilton was killed by anti-ISIS forces in Syria. His was the first confirmed case of Canadian recruitment, but is unlikely to be the last.

ISIS' chosen tool of communication is the Internet. They utilize the same familiar web services we use every day: YouTube, Facebook, Twitter and Instagram, among others. Sometimes ISIS makes use of trending hashtags to deliver their propaganda: on the day of the Scottish independence referendum, some tweets by ISIS included the #VoteYesForScotland hashtag. They also have an Android app which allows ISIS tweets to be posted through a user's account.

ISIS propaganda materials are not low-budget affairs. A 55-minute video released by ISIS in September titled *Flames of War* was filmed in full HD. The video featured an English speaker with a perfect North American accent near the end, who gestures to captured Syrian soldiers and executes them on record. There is even an 87 second trailer. One of the copies available on Youtube was watched over 750 000 times. Versions exist on a wide variety of video sharing and downloading sites, with several subtitle languages available.

Therein lies a problem in trying to curb

ISIS recruitment: nothing is ever really eliminated on the internet. There are always copies, copies of copies, modifications and people willing to upload them. ISIS doesn't trust its future with the shifting tides of internet fame, however. They have a sophisticated network of "media mujahedeen" who continually share content to ensure ISIS persistently has a social media presence. Websites such as YouTube and Twitter try deleting accounts that spread jihadist messages, but ISIS simply reloads it all in new accounts, or those of volunteers.

It is not just Canada that is worried about its citizens joining the terrorist group. Countries as far away as the Philippines are on high alert for ISIS recruitment attempts. In Britain, ISIS has started trying to recruit people on the ground by seeking out potential recruits and speaking with them in person. A police report in Birmingham leaked in early September claims that extremists were operating out of gyms, restaurants and cafes.

Recruiters encourage the image that they are not too different from the people they're recruiting. Some of them reference popular video games such as *Call of Duty* in an effort to market joining a terrorist organization as some sort of adventure. Others mention mundane interests such as soccer, and even post pictures of themselves with cats on the internet. The recruits themselves needn't be fanatics: they are often people feeling disaffected, and searching for greater meaning in their lives.

The recruit is interviewed, often over Skype, to ensure that he is serious, and not a spy. He is then often told to see a "jihadi mentor" to train them in extremist ideologies and physical exercise. Once that's complete, the logistics issues begin. In some cases ISIS pays for flights to Turkey, from where recruits can then be escorted across the border to Syria.

Stephen Harper may be right to send fighter jets to attack ISIS from above. However, for this conflict and future ones, governments and web companies will also need to find new ways to cut such organizations at their roots, by stopping them from convincing ordinary people to join their inhumane causes. In the case of ISIS' complex recruitment process especially, the West has its work cut out for them.

Continued from 'Hong Kong' on page 1

think antagonizing the government is the most effective way to seek reforms, and in the case of the business community, they really just want to conduct their business without being inconvenienced by a massive sit-in. The Silent Majority, for example, does favor (or at least claim to favor) democracy, but rejects civil disobedience as a means to demand it.

### Recent Developments

In late August, the National People's Congress announced that starting in 2017, the Chief Executive would be chosen by the people through free elections. Anyone will be able to run, provided they are duly nominated by a committee picked by FCs ... and wait that sort of defeats the whole purpose of elections. The opposition saw it as a middle finger extended their way.

The response was swift. In late September, HKFS and Scholarism started boycotting their classes to hold daily rallies. On September 27, police began making arrests, and Joshua Wong and Alex Chow were detained for two days. In response, Benny Tai announced that his proposed Occupy movement would begin immediately, and called for citizens to blockade the central business district to disrupt business in the area.

On the first day of the occupation, Hong Kong police fired pepper spray and later tear gas at protesters on 87 occasions in an attempt to disperse them. The tactic backfired – in fact, many people were motivated to join the protests by the police brutality. Since then, the police have showed more restraint. The umbrella became a symbol of the protesters after many were seen using one to deflect pepper spray. A separate occupation has also spawned across the harbour in Kowloon, and rallies in support of the Hong Kong protests have taken place in many other cities around the world, including one at the University of Waterloo.

Despite the large crowds of protesters, the movement has remained remarkably restrained, avoiding violence, and protesters received plaudits for clearing garbage from their areas and issuing apologies when they stepped over the line. The protest movement's current demands are universal suffrage in the 2017 election and the resignation of Chief Executive Leung.

Despite the presence of many older

adults and politicians in the protest, the student groups who originally began the protest — HKFS and Scholarism — continue to be seen as leaders of the protest movement. On October 2, Admin Secretary Carrie Lam agreed to negotiate with HKFS executives to seek a resolution. However, hopes for a quick resolution were dashed the next day, after a clash between the protesters and opponents in Kowloon turned violent. After several protesters were beaten, protest leaders issued a call for restraint and non-retaliation, but the damage was done. Amid conflicting reports that police had either stood aside while Occupy protesters were being attacked, or even joined in the violence, the Federation of Students called off the proposed negotiations.

### The Future

The future of the Occupy Central movement and the student protests remains up in the air. The government has shown no signs of yielding to the protesters' demands, and police have been implicated in anti-protester violence on multiple occasions. Mindful of the international condemnation that happened in 1989, one would expect the Hong Kong government to refrain from ordering an all-out violent dispersal. Perhaps the government is willing to ride out the protests, betting that they will disperse if they hold the line. But the protests, one week in, have not yet showed signs of abating.

If there is a positive solution, it will probably have to come through negotiation, perhaps through mediation from the business community which will suffer losses if the protests continue, or from moderate politicians. Since neither side wants to budge, a compromise will have to be found — protesters are unlikely to get the immediate universal suffrage they seek, but maybe the Chief Executive will resign and the government will concede limited reforms ... and then we'll do this again in five years. But there isn't much time to lose — a lengthy protest increases the chances that, say, the People's Liberation Army or triad criminal organizations (which normally support the Chinese government) will get involved, which is usually not a good sign.

In the meantime, impasse reigns: the protests will continue, the government will not budge, and students and media around the world will continue marveling at, or sympathizing with, the protesters in Hong Kong.

## Students Protest Peacefully

# Exploited victims or willing agents?



**SHERWIN KWAN**  
4A MECHANICAL

The Parliament of Canada is currently debating a controversial bill which would amend Canada's laws on prostitution. At the root of the controversy is a debate over whether sex is a legitimate transaction that can be bought, sold, and profited from. Proponents of the bill see prostitution as inherently exploitative or otherwise undesirable, and those that sell sex as victims. The bill would make the purchase of sex a crime, with jail and/or hefty fines as the punishment, and would also provide some funding for organizations aimed to help women who wish to exit prostitution.

Can sex be legitimate work? The debate continues over a grey area in Canadian law. Prostitution per se is not, and has never been, illegal; however, many practices related to it are indeed against the law. Bawdy houses and brothels (which are defined as any location occupied for the purpose of exchanging sex for money) are verboten under the Criminal Code, as is public solicitation for sexual services, and one is not allowed to make a living off of somebody else's prostitution.

Sex worker advocates have long had issues with this portion of the Criminal

Code, and recently launched a lawsuit. In 2013, the Supreme Court of Canada held unanimously in the case *Bedford v. Canada* that the current law was unconstitutional, and gave the government one year to amend the law. The rationale for this decision was that if prostitution is legal, then sex workers have a Charter right to protect their own safety. However, the current law allows prostitution while banning the least dangerous form of it (indoors, in a place the sex worker is familiar with), and also prevents the hiring of a guard (that would be living off the avails). Therefore, the law as it stands is a Charter violation.

In June of this year, Attorney-General Peter Mackay introduced the *Protection of Communities and Exploited Persons Act* in response to the Supreme Court decision. This bill promotes a "demand criminalization" model where it is a crime to purchase sex but not to offer it (viewing the sex workers themselves as victims), with the goal of abolishing prostitution. The "living off the avails" clause will now distinguish guards and exploiters – you will now only be convicted if you make a living by exploiting someone else's prostitution. Soliciting will remain illegal only if it takes place in a public space where minors are likely to be present. The government also committed \$20 million to programs aimed at helping those who wish to exit prostitution.

Joy Smith, a Conservative MP who has spent the majority of her political career advocating for victims of sex trafficking, supports the abolition of prostitution on the grounds of justice. In her opinion, prostitution is strongly linked to sexual trafficking, or the forcing of people into sexual work under duress, often across borders. It is therefore imperative to do what we can to limit the scale of prostitution. Citing evidence from a German study, she believes that if the practice is made legal, there will be an inevitable increase in trafficking of women. Trafficking for the purposes of sex is a serious injustice that has been referred to as "modern day slavery".

Fellow MP Michelle Rempel provides feminist grounds for supporting demand criminalization. She sees prostitution as an inherently exploitative and demeaning of women – the act of purchasing sex, in and of itself, is an act of violence which must be suppressed. In her opinion, coercion and threats of violence are so common that many sex workers are under duress, and cannot legitimately give consent to sex. The purchase of sex therefore resembles rape and can be treated as criminal.

Many opponents of the bill are in favour of legalizing prostitution rather than making it a criminal act. This includes many sex workers' organizations, such as *PEERS* in Victoria, *PACE* in Vancouver, *Maggie's* in Toronto, and *Stella* in Montréal. While not denying that trafficking occurs, some people willingly become sex workers – many simply cannot find another way to make a living. Therefore, there needs to be a distinction made between those who are trafficked into sex work and those voluntarily enter it. Many of the latter do not appreciate being treated as victims, because they believe they have agency and can legitimately consent to the sale of sex. Sex worker organizations largely oppose the bill on the grounds of safety – they do not believe prostitution can ever be abolished by law, and criminalizing the purchase of sex, even if they're not the ones who are targeted by the law, will make

their work more dangerous. For example, some sex workers currently require their clients to provide them with name and identification in advance, so they can screen them to see if they are dangerous, before consenting. If purchase of sex becomes a crime, this screening would become more difficult if not impossible.

Some groups, while not supporting legalized prostitution, still believe that the current bill is flawed. The Canadian Federation for University Women does not believe the bill goes far enough to protect sex workers – as currently written, they can still be arrested if they solicit for sex near schools or other places where minors might be present. Since there have been cases where minors are coerced into prostitution, there is a case that the "no soliciting near minors" clause would just target the most vulnerable sex workers out there. Also, the \$20 million has been criticized for being nowhere close to enough funding to help vulnerable people exit prostitution.

Finally, there is a worry that the bill as currently written might not even be constitutional. It contains several provisions similar to the ones the Supreme Court rejected last year – while the soliciting and living off the avails provisions have been modified, the fact that many sex workers still feel that their safety is being infringed will likely lead to another court challenge. Perhaps we will be back to the drawing board in a few years, should the bill be declared unconstitutional.

Currently, the governing Conservative Party supports the bill, while all the opposition parties are against it. As the Tories hold majorities in both houses of Parliament, it is expected that the *Protecting Communities and Exploited Persons Act* will be passed into law. But Canadians are still divided on the issue, and another battle in the courts is expected if indeed the bill becomes law. The debate on whether sex workers should be treated as victims of exploitation or legitimate workers, or something in between, will not go away anytime soon.

## WaterlooWorks Implementation

### CO-OPERATIVE EDUCATION AND CAREER ACTION CECA

The first WaterlooWorks pilot (this past spring) was very successful, and architecture students have commented that the system is a huge improvement from JobMine. We found a lot of new ways to engage with students – we launched our Facebook group, hosted webinars, and had demos in new locations on campus. We learned a lot about student's priorities and their thoughts about the system, which has really helped us to shape the tool. We're going to continue using these tools (and some new ones, like videos and interactive sessions) as we move through the project.

Although we've had a positive experience with the pilot, CECA has determined that delivering all of the components according to the original rollout plan is not possible. We've decided to adjust the implementation approach to a phased rollout over multiple terms, thus reducing the risk of implementing such a large amount of functionality to a large group of students and employers at once.

Our new rollout plan, in brief, is:

- Architecture students have been using WaterlooWorks and will continue to, with increasing functionality each term.
- Non co-op recruiting (that is, part-time, summer, graduating, and alumni jobs) will be posted on WaterlooWorks in January and students looking for those jobs will be using the new system. Co-op recruiting will still be done on JobMine.
- All students and employers will be using WaterlooWorks in spring 2015; nobody will be using JobMine.

The new implementation plan helps us to ensure that, when we do go live to all students in spring 2015, the system is functioning at its best. We're confident that we've selected the right product and the right vendor – and that WaterlooWorks will be an amazing tool for Waterloo students.

More information about the project can be found at [www.uwaterloo.ca/ceca-systems](http://www.uwaterloo.ca/ceca-systems), or by joining our student panel Facebook group (by searching "WaterlooWorks student panel" on Facebook).

## Liberia To End Deforestation



**DEREK KAN**  
2A CIVIL

In one of the major announcements made at the UN Climate Summit in New York during late September, Norway declared that they will offer funds to Liberia, provided that the latter country stops cutting down their forests. Provided the West African country halts deforestation by 2020, Norway will disburse \$150 million in developmental aid to Liberia. In addition, new logging concessions cannot be issued until current ones have been independently reviewed. The country has also agreed to put 30% or more of its forests under a protected area status by 2020.

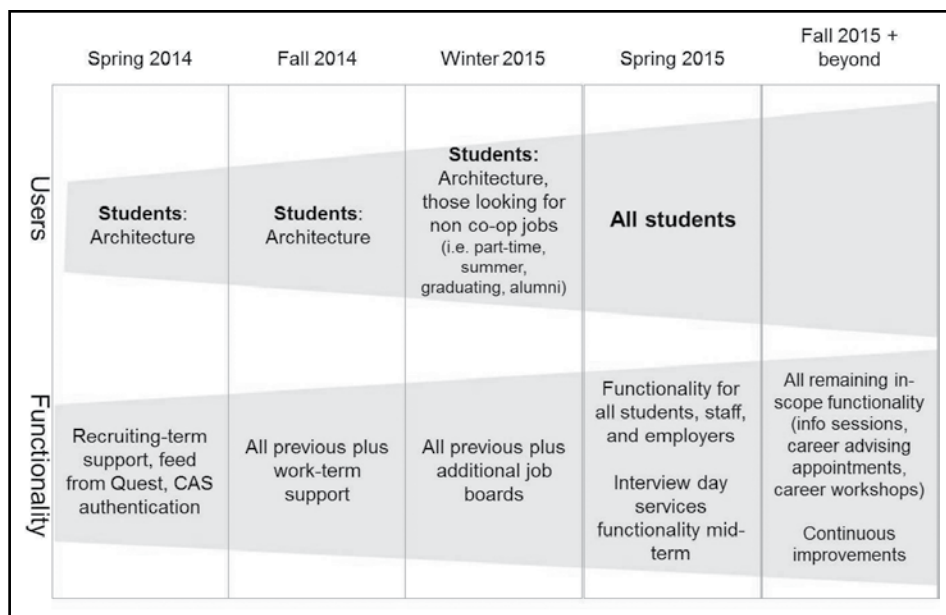
West Africa has some of the highest deforestation rates in the world. Thanks to logging activities, Liberia's forests are now one fifth of its original size. While the country's forests are not the largest in the region, it is home to a significant part of West Africa's remaining rainforests. It is also a hotspot for global diversity and home to the last viable populations of exotic species such as forest elephants, leopards, and western chimpanzees.

Norway is willing to aid by implementing forestry monitoring and policing systems to ensure that Liberia is meeting goals and adhering to their agreement. This may be easier said than done because logging in impoverished regions is a main source of revenue for governments and locals. This

is crucial in Liberia, as rights over land and the management of resources is of great importance following a 14-year civil war. Prior to the 2013 Land Rights Policy, land without legal ownership documentation was treated by the government as public space. This allowed for legal and illegal logging, mining, and similar activities to be carried out on private land without any royalties given to those from which the resources were taken from. Unfortunately, this only escalated poverty, resulting in a positive feedback loop which puts more pressure on cutting down the remaining forest in order to make a living.

Reducing poverty is not the only hopeful benefit from the deal; the current Ebola outbreak also plays a factor. The outbreak may have been a result of the deforestation in West Africa. Due to less forest cover, humans and wild animals have been brought closer together, which encourages the spread of disease from animals to humans. Two animals that carry the Ebola virus, chimpanzees and fruit bats, are also significantly closer to human population centres. Exacerbating the problem, humans are also going deeper into the jungles in search of precious minerals and metals, exposing them to these animals.

Preventing deforestation while combating a major international health crisis and a worsening economy will prove difficult for Liberia. However, provided everything works out, it will hopefully help reduce poverty and the impact on the environment that deforestation has brought to the country.



WaterlooWorks' Implementation Schedule

CECA

# Feedback, Feedback, Feedback!



**LEILA MEEMA-COLEMAN**  
PRESIDENT

Hello Waterloo engineers! As the term is coming up to the halfway point we hope you have enjoyed what the Society has offered so far for services, events, and representation. We are always adding new things and trying to make what we currently have better. All of these changes stem from the feedback we hear from you the students, and we are trying to give you as many opportunities to give feedback as possible! This article will let you know about all the methods we are seeking feedback this term.



members. There will be an open meeting held in the two weeks after midterms which everyone is welcome to attend. Look out for advertising on the mailing list in the coming weeks on how to get involved!

### Executive and Society Feedback

At the last Engineering Society Meeting we elected our new chief feedback officers (CFO)'s David Rouso and Inzamam Tahir. They will be conducting a council feedback session and surveys to general members and volunteers. The Executive will be preparing a report on the initiatives which will be circulated with the surveys. This will be your chance to give feedback on the Society and the Executive, or to suggest any new ideas you have for the Society!

### Orifice Hours

While the Executive typically sit in the orifice all day (I know I do) it is good to know there is a designated time to be able to talk to the Executive and they will be there. The Executive this term have started Orifice Hours which are two hours a week that the Executive are committed to sitting in the office talking to students. This terms orifice hours are:

- President:**  
Leila Meema-Coleman, Tuesday 1-3PM
- VP Finance:**  
Kevin McNamara, Tuesday 11a.m.-1p.m.
- VP Education:**  
Josh Kalpin, Tues./Thurs. 2:45-3:45p.m.
- VP External:**  
Heather Smith, Wednesday 9-11a.m.
- VP Internal:**  
Puneet Natt Tuesday 12-2p.m.

### New Website

If you haven't noticed yet, EngSoc has gotten a facelift for its website which includes all updated and accurate content, a more navigable menu, and a non-hideous yellow background! The hope with this website is to make information about the Society easier to access and to get rid of unnecessary content. This is new and we want to hear what you think! Poke around the website and let us know of any features you want or mistakes you find so we can make it the best possible site for students. There is a link to the form on the homepage of the new website!

### Executive Review Committee

At the first EngSoc Meeting this term the last members were elected to the Executive Review Committee (ERC). This committee was formed this summer to investigate the current Executive and commissioner structure and make recommendations on how best to divide up the responsibilities of the Society. Part of the mandate of the committee is to get feedback from general

# EngSoc Council Meeting Summary

The first Engineering Society Council Meeting of the term took place on Wednesday, September 17. The meeting had over 95 people in attendance. A number of elections took place to fill the A-Society At-Large seats on the Board of Directors, elect a Chief Returning Officer to run the upcoming E7 Referendum Vote, and fill committee seats for the Leadership Awards Committee, Teaching Awards Committee, and Executive Review Committee. In addition to the elections, the Engineering Society budget for the term was passed.

This past Wednesday was the second meeting of term. There were a number of items on the agenda, including an update

from the Executive on their initiatives, and the first reading of a motion related to the EngSoc Executive votes on our council. The sponsorship committee for the term was elected, along with the Chief Feedback Officer, which is a role that gathers feedback from students related to the Engineering Society.

For more information about the meetings, be sure to check out the meeting minutes which will be available on the EngSoc website at [engsoc.uwaterloo.ca](http://engsoc.uwaterloo.ca). If you have any questions, please contact the Executive at [executive.a@engsoc.uwaterloo.ca](mailto:executive.a@engsoc.uwaterloo.ca). The next council meeting will take place on October 29 at 5:30p.m. in CPH 3607.

# WiEEEEEEEE!!!



**HEATHER SMITH**  
VP EXTERNAL

Hey Engineers! I hope all of you have had an awesome first month of classes, and hopefully assignments, projects and midterms haven't bogged you down too much.

Women in Engineering, or WiE, has been off to a great start this Fall term. There has been a lot of excitement about the WiE Mentorship Program, with over 150 first years who have signed up to be mentees! The goal of the Mentorship Program is to provide support for female engineering students in the class of 2019 as they transition into the life of a Waterloo Engineer. Mentors provide guidance and support on aspects of engineering life, such as Jobmine, interview and resume help, and finding a balance. Mentors and mentees also attend WiE events, which are open to all undergraduate engineering students!

The first event was the WiE Welcome Barbecue was run by the Faculty of Engineering and took place over the first weekend of the term. The turn-out was

awesome and it provided female engineering students in various programs and at different stages of their academic careers to meet one another and get excited for upcoming events, including the Art Attack Extravaganza! Remember that scene from the Princess Diaries where Mia and her mom throw darts at paint-filled balloons attached to a canvas? WiE did exactly that! The WiE logo was taped and painted over, and participants got to throw darts at paint-filled balloons that were attached around the logo. The results look awesome and you can look forward to seeing it posted up for you to see on your walk to and from classes. Following the Art Attack Extravaganza was a campfire at Columbia Ice Fields, where delicious s'mores were toasted and eaten in the company of old and new friends.



Upcoming events include: WiE Rock Climbing on October 9, Yoga with WiE on October 28, and a WiE brunch at the end of the term on November 22 in POETS!

If you have any ideas, comments or questions about WiE or anything else under the VP External portfolio, please don't hesitate to come talk to me in the orifice or email me at [vpexternal.a@engsoc.uwaterloo.ca](mailto:vpexternal.a@engsoc.uwaterloo.ca).

## Upcoming Events Calendar

| Wednesday<br>October 8  | Thursday<br>October 9  | Friday<br>October 10   | Saturday<br>October 11  | Sunday<br>October 12  | Monday<br>October 13   | Tuesday<br>October 14   | <b>Check out up-to-the-day event postings on the EngSoc website at <a href="http://engsoc.uwaterloo.ca">engsoc.uwaterloo.ca</a></b>   |
|---|--|--|---|---|--|---|---|
| Charity Pancakes<br>8:15a.m. CPH Foyer<br><br>Engsoc General Meeting<br>5:30p.m. - 7:30p.m.<br>CPH 3607 | Exchange application Workshop<br>11:30a.m. - 2:30p.m. POETS<br><br>WiE Rock Climbing<br>6:00p.m. - 8:00p.m. Laurier Rock Wall (Pre-register) |  | Hockey Night in POETS<br>7:00p.m. - 9:00p.m. POETS  |   | Thanksgiving!  | HELL WEEK<br><br>Iron Warrior Meeting<br>5:30p.m. E2 2347   |   |
| Wednesday<br>October 15<br><br>HELL WEEK<br><br>Charity Pancakes<br>8:15a.m. CPH Foyer                  | Thursday<br>October 16<br><br>HELL WEEK<br><br>Hockey Night in Poets<br>7:30p.m. - 9:30p.m.  | Friday<br>October 17<br><br>HELL WEEK  | Saturday<br>October 18<br><br>HELL WEEK   | Sunday<br>October 19  | Monday<br>October 20<br><br>Enginuity with EWB<br>11:30 AM - 1:30 PM<br><br>Charity Grilled Cheese<br>12:30a.m. - 2:30p.m.   | Tuesday<br>October 21<br><br>Iron Warrior Meeting<br>5:30p.m. E2 2347   |   |
| Wednesday<br>October 22<br><br>Charity Pancakes<br>8:15p.m. CPH Foyer                                   | Thursday<br>October 23<br><br>AutoCAD Workshop<br>5:30p.m. - 7:30p.m.  | Friday<br>October 24<br><br>First Year Mentoring Conference<br><br>MOT<br>7:00p.m. - 12:30p.m. POETS | Saturday<br>October 25<br><br>Programming Workshop<br>2:00p.m. - 4:00p.m.<br><br>Hockey Night in POETS<br>7:00p.m. - 9:00p.m. POETS | Sunday<br>October 26<br><br>Quiddich<br>3:00p.m. - 4:00p.m.<br><br>Hockey Night in POETS<br>7:00p.m. - 9:00p.m. POETS | Monday<br>October 27<br><br>Charity Grilled Cheese<br>12:30a.m. - 2:30p.m. CPH Foyer<br><br>Resume Critiques<br>3:30p.m. - 8:00p.m.<br><br>AutoDesk Inventor Workshop<br>3:30p.m. - 8:00p.m. | Tuesday<br>October 28<br><br>2017 Spirit - Pumpkin Carving<br>4:30p.m. - 6:30p.m. POETS<br><br>WiE Yoga<br>7:00p.m. - 9:00p.m. CIF Studio<br><br>Iron Warrior Meeting<br>5:30p.m. E2 2347<br><br>Colouring Contest<br>4:30p.m. - 5:00p.m. Orifice |   |

# Jobs Jobs Jobs! And maybe some meetings too!



**JOSHUA KALPIN**  
VP EDUCATION

Hi everyone and welcome to another (hopefully) awesome exec update! I have a couple of different things to cover in this one, sooooo let's do this!

First up is an update on WaterlooWorks. If you haven't taken a read of the update from CECA in this issue yet, you should check it out. The TL;DR behind it is that WaterlooWorks has been delayed for co-op

students (us) until the spring term. What this means is if you are looking for a job in Winter 2015 you will be using Jobmine, but if you are looking for a job in Spring 2015 you will be using WaterlooWorks. However, on a slightly more positive note there will be a presentation from the WaterlooWorks team at the next EngSoc meeting (October 29) and there will be two demos days this term on November 3 and 5 where you can see all the improvements.

Second up is an update on the Career Fair. We have now signed on 7 employers and are getting more each week. For more informa-

tion and updates visit the Facebook event ([facebook.com/events/1506676719578806/](https://www.facebook.com/events/1506676719578806/)) or contact the career fair directors at [career-fair@engsoc.uwaterloo.ca](mailto:career-fair@engsoc.uwaterloo.ca).

Last up is a bit about Academic reps. One of my goals before I'm done as VP Education is to meet with the academic reps of every program and collect information on what the issues each program is currently facing. These meetings will lead to program-wide surveys and potentially focus groups. I've started this process off by meeting with the Chemical Engineering academic reps and will be making my way through the pro-

grams that have 2015's on stream this term (Enviro, Geo, Mech, Nano, Syde, and Tron). At the end of all these meetings, I'm going to produce a report that can be handed off to my successor to continue working with each program to improve academic quality within the faculty.

As always if you have any questions or just want to talk please feel free to pop by the orifice (see Leila's article for my office hours) or send me an email at [vpeducation.a@engsoc.uwaterloo.ca](mailto:vpeducation.a@engsoc.uwaterloo.ca). Best of luck on your midterms and I'll be back next issue!

## Engineering Swiggity Swag



**KEVIN MCNAMARA**  
VP FINANCE

Hello Engineers! This issue I would like to discuss a part of my portfolio that I think more people should know about: engineering swag. The VP Finance is in charge of running Novelties, which is the Engineering Society's swag store in CPH Foyer. This is your one stop shop for anything related to engineering specific merchandise and swag, including sweaters, t-shirts, sweatpants, pajama pants, and a number of other novelty items such as patches, glassware, belt buckles, hats, and scarves. Not only that, but each term there are special sale days, such as Coverall Day where you can purchase your own pair of engineering coveralls. New this term will be Onesie Day, where you can order your very own engineering onesie.

As with all Engineering Society services, Novelties is a not-for-profit operation. This means that all sales go towards purchasing more stock for the store. Whenever Novelties sells things, we are able to replenish the stock and get in new items. One thing that I really want to grow in Novelties is a cycle of always looking to get in new and exciting items rather than just replenishing what we already have there.

This term we are looking at a new design for sweatpants, as well as a brand new t-shirt, Engineers Serve the World, which

has the EngSoc logo made to look like a globe on the front, and then the words "Engineers Serve the World" in the top ten most spoken languages on the back. These are two items, but we need many more. That's where you come in.

If you have any suggestions for new and cool things that we can sell in Novelties, then please let me know. All you have to do is pitch your idea and we can discuss it and try to see if it will fit with Novelties. I love to hear what you would like to see made available, and appreciate any suggestions or feedback. If you have any ideas, send me an email at [vppfinance.a@engsoc.uwaterloo.ca](mailto:vppfinance.a@engsoc.uwaterloo.ca) or message the Facebook Page, [facebook.com/uwengsocnovelties](https://www.facebook.com/uwengsocnovelties).

Another thing that I would like to discuss is department or program specific swag. I know that many programs want to get their own t-shirts or patches, and a lot have organized this type of thing already. I would like everyone to know that if you ever want to get a custom swag order together for your class, your program, or your department, and aren't sure where to start, that you should let me know. There are a number of ways that I can provide information and support for these types of things, and I am happy to work with you on them. It may even turn into a new product idea for Novelties!

Be sure to check out Novelties from 11:30a.m. to 1:30p.m., Monday to Friday, in CPH Foyer beside POETS. As always, if you have any finance questions, send me an email to [vppfinance.a@engsoc.uwaterloo.ca](mailto:vppfinance.a@engsoc.uwaterloo.ca).

## The Making of FYELC



**PUNEET NATT**  
VP INTERNAL

This term we will be hosting the inaugural First Year Conference. This conference has been based off of the First Year Integration Conference (FYIC) run each year by the Engineering Student Societies' Council of Ontario (ESSCO). Since this conference takes place at different locations across Ontario, we aren't able to send all of the delegates we would like to send. The delegates that do attend the conference come back with a positive learning experience and are beneficially impacted by the conference. We wanted to bring something similar to the University of Waterloo for all first year students.

The conference team (Ray Zhao, Vinay Padma, Helena Diao and Julian Wang) have been working very hard with the executive to plan this conference throughout the Spring 2014 and Fall 2014 terms. This conference is geared towards engineering students who are looking to improve their leadership and professional development skills. We will be having different speakers come and talk to students about co-op and how to be more employ-

able. We will also be having different sessions on how to be a leader throughout your time at university and provide information on various ways to get involved over campus. This conference is designed to give first year students the tools to be successful throughout their university career as leaders, employees and students.

The greatest benefit of attending the First Year Engineering Leadership Conference is:

"...to further evolve as a leader. Not everyone is the stereotypical leader you see on TV, and that's okay! Everyone leads in different ways, and we want to prove this to you. Oh and you'll probably make some new friends too."

- Vinay Padma, FYELC Co-Chair

"...to understand the opportunities outside of the classroom. I definitely wish this conference was offered when I was in first year. The opportunity to connect with other engineers in a variety of programs and to be given academic and professional resources is invaluable."

- Helena Diao, FYELC Co-Chair

"...for students to get exposed to different leadership ideas from guest speakers and upper year students. Students will also get a chance to bond with fellow first year students and make life long connections."

- Ray Zhao, First Year Commissioner

"...for students to grow as an individual. They can learn to become better individuals in social and professional levels that will carry on for the rest of their lives."

- Julian Wang, FYELC Marketing



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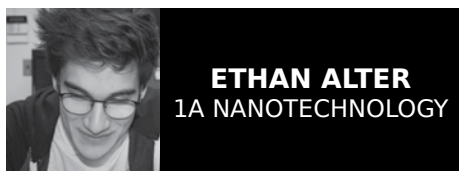
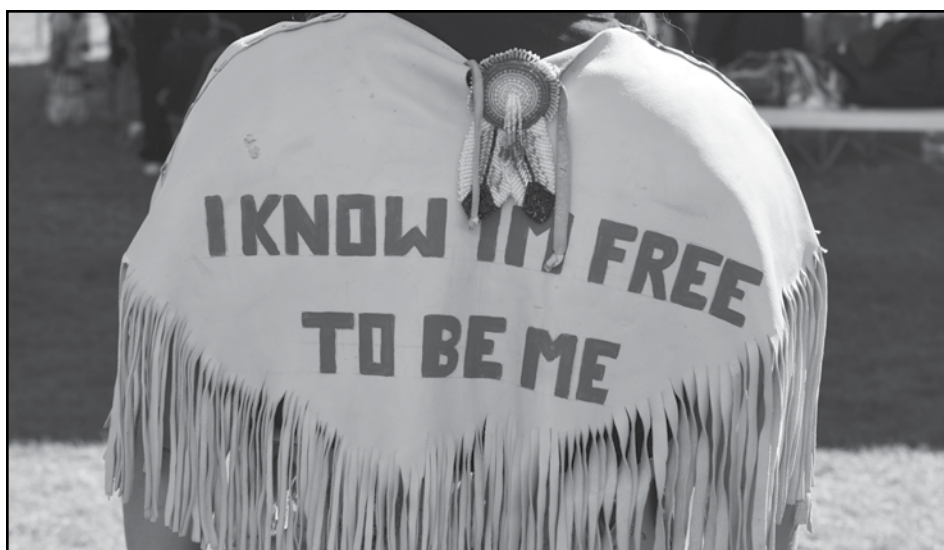
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# Waterloo Aboriginal Education Centre's 11<sup>th</sup> Annual Traditional Pow Wow at St. Paul's University College



**ETHAN ALTER**  
1A NANOTECHNOLOGY

Residents at St. Paul's University College woke up to drumming, dancing, and revelry on Saturday, September 27 — these were the sounds of a traditional pow wow, not your typical alarm clock.

The pow wow, held at the St. Paul's Green, was organized by the Waterloo Aboriginal Education Centre. The event brought together Aboriginal and non-Aboriginal alike for a day of dancing, celebration, and food. "Everyone is invited," said Jo-Anne Absolon, Waterloo Aboriginal Education Coordinator, "adults, children, babies, families, staff, students, and tourists."

The event featured traditional drum groups, dancers, and craft vendors. Ac-

tivities and demonstrations were available to those wanting to learn more about traditional Aboriginal culture. "Our pow wow is both an educational and cultural celebration," said Absolon. "We have workshops within St. Paul's while the pow wow celebration is going on."

The pow wow started at sunrise with the lighting of a sacred fire by Fire Keeper Al MacDonald. The Grand Entry, a ritual marking the beginning of a pow wow, was at noon, followed by the Closing Ceremonies which occurred at 5 pm. Myeengun Henry was the Master of Ceremonies for the event.

This marks the 11th year of the growing festival, which saw the addition of a mini pow wow event during Open Streets Uptown Waterloo early last month, which was sponsored by the Region of Waterloo.

Pow wows are traditional gatherings where Aboriginal people meet, dance,



Ethan Alter

## Pow Wow participants celebrate their their traditional roots

and tell stories. The pow wow is both a social and spiritual event that brings together nations from different locations speaking many languages.

In closing I want to say 'Chi-Miig-wetch' [a big thank you] to all the dancers who were kind enough to pose for a picture,

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## Breaking Down the 2014-2015 Leafs



**ELIZABETH SALSBERG**  
2T NANOTECHNOLOGY

### THE (NHL) BENCHWARMER REPORT

Hockey-starved hockey fans of Leafs Nation rejoice! (Now say that 10 times fast!) The 2014-2015 NHL season kicks off this Wednesday October 8, and this year promises to be yet another roller-coaster ride of questions as the Leafs attempt to hunt for another taste of the playoffs. This being the second year of the NHL re-alignment, Toronto has now had a taste of what it takes to make it in the tough-as-leather Atlantic Division. Here, we take a look at some of the key points around the team and if the Leafs intend to be the real deal this year.

### Who's out?

C Dave Bolland, LW Mason Raymond, F Nikolai Kulemin, D Carl Gunnarsson, C Jay McClement, D Tim Gleason, all of last season's assistant coaches.

### Who's in?

LW David Booth, F Daniel Winnik, C Mike Santorelli, F Petri Kontiola, F Leo Komarov, D Stéphane Robidas, D Roman Polak, F Matt Frattin.

### On the bubble:

C William Nylander, "Tough Guy" Col-

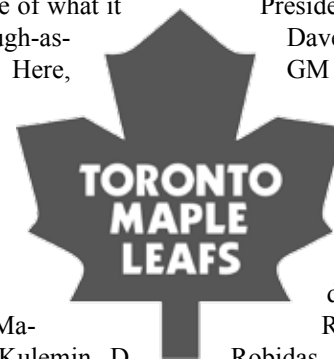
ten Orr, "Tough Guy" Frasor McLaren. Although it is unlikely that prospect William Nylander will make the team, he performed phenomenally in exhibition games during camp and could be put on a 9-NHL game style tryout this year. If we are lucky, Carlyle and Co. will finally do away with bruising cement-heads Colten Orr, Frasor McLaren and the like. The return and addition of Leo Komarov, Matt Frattin plus a few more depth forwards will make it more difficult for these brutes to hang around.... We hope.

### Upstairs:

President Brendan Shanahan, GM Dave Nonis and new assistant GM Kyle Dubas, who is only 28 years of age. Shanahan is looking to turn this team upside-down all across the board, starting with hiring new assistant coaches and bringing in workhorse producer David Booth and D-men Roman Polak and Stéphane Robidas.

### Behind the Bench:

Nearly-sacked head coach Randy Carlyle and his new assistant coaches, Steve Spott (coached the Canadian World Junior Team to silver in 2010) and Nashville defensive specialist Peter Horachek will attempt to convey the meaning of defense to the hapless Leafs. A new "system" is said to be in place, significantly different from last year's so-called "swarm" which failed so miserably.



# POETS Plays Host to TalEng



**VINCENT MAGAS**  
2A MANAGEMENT

It was the glorious night of October 2 2014, and EngSoc had planned a night of showcasing the talents of Waterloo Engineering's finest. From the dazzle of magic to the rhythm of guitars, the Fall 2014 TalEng night was filled with a plethora of acts that were sure to catch the eye or strike a beat.

The night's MC was none other than EngSoc's VP Finance, Kevin McNamara, who provided a jolt of energy between each act and even a few tunes with his guitar. Hosted in POETS, TalEng had the atmosphere and feel that anyone could ask for. The POETS bar was opened for the night and beverages were sold. Delicious Pizza goodness was also available for the attendees of the event.

Spotting a moderately cozy crowd, TalEng was whisked away with its opening act at 7:10pm. The night saw a host of great electrifying amped and grooving acoustic acts. Early in the night we saw some mind blowing musical acts such as William Seunghyun Song who shredded through an instrumental guitar performance and a piano-vocal duet of song

like Lady Gaga's Hair and Sia's Chandelier by Aravinda and Yifei Li. Following such acts was "insane lip-action" filled with a healthy dose of elephants, cats and even a dubstepped version of the Mission Impossible theme by beatboxer Sudharshan.

The EngSoc executive team also had their own performance featuring an original song! The song was a glimpse into the busy lives of the executive team and their love of UW's engineering society. Shortly after the executive team came another great round of musical acts. Blasting back from the past were Arjun Bali, Yifan Wu and their rendition of Fall Out Boy's "Sugar We're Going Down" and solo acoustic performer Cody who played Radiohead's High & Dry. TalEng also saw the combined violin and piano skills of Vicky Nguyen, and Jade Alexander.

Rhymes and lines were dropped by Abdullah, who got the crowd to snap and slap along with his spoken word poetry. A plethora of acoustic and vocal acts such as: Jared Cheverie and his cover of Portal's "Still Alive", Matthew Mulvale and his cover of Ed Sheeran's "The A Team" and Paulina Morgan's own originals kept the crowd in a musical mood.

Keeping with the steady beat and continuous flow of music, ACDC blasted through POETS' speakers, and the all too



familiar chanting filled the room. UWaterloo Engineering's pride and joy, The Tool made a special guest appearance accompanied by the enigmatic Tool Bearers.

The night continued with acts such as the magical Austin who enraptured the crowd with clever card tricks. Volunteers witnessed first-hand Austin's magical prowess, even a Tool Bearer participated in the magic.

Following Austin was the rage of the seven seas with seafaring pirate metal by

the band Beerstorm. Sporting pirate hats and heavy riffs, the band stole the stage and incited electrifying energy into the crowd even encouraging a few to get up on their feet!

The night's closing act was EngSoc's own Heather Smith singing and strumming the night away on her ukulele! Fall 2014's TalEng was a night full of laughter, music, wonder and of course talent. Showcasing more of what UWaterloo Engineers are capable of! If you missed out, be sure to catch it in future terms!



## Waterloo Engineering Competition

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- Winners advance to the 2015 Ontario Engineering Competition at Ryerson University and will be awarded cash prizes



Jessica Keung & Vince Magas

# Windows Goes Back to the Drawing Board

## Windows 10 Announced



**ALLEN CHEN**  
2A CIVIL

Anyone who has used Windows 8 as their PC operating system (by choice or not) should be familiar with the multitude of issues that came with it since its release in 2012, especially regarding the radically altered user interface (UI). Perhaps most notable of the problems with Windows 8 was the lack of the iconic start button and menu that has been part of every Windows UI since Windows 95. Instead, users were encouraged to use the tile screen that welcomed them when booting up instead of the usual desktop. All in all, it seemed like developers of Windows 8 were trying really hard to produce a package that would be transferable to both PC's and mobile devices such as Microsoft's new Surface tablets and Windows phones. The problem with Windows 8 is that it seemed to focus exclusively on mobile usability to many long-time Windows users. The tile start screen worked fine for mobile devices and laptops with touch-screen functions, but for those with regular laptops and desktop PCs, it seemed like way too much of a hassle and unnecessary. The user-friendliness that was considered a

huge improvement with Windows 7 significantly diminished in this new version of Windows. Improvements were made with 8.1 last year, such as the option to boot straight to the desktop and the implementation of a start button (which still led to the start screen tiles as opposed to a start menu). An additional issue that persisted in both versions was the push for always-online services, such as the prompts to create a Microsoft account and use the Windows apps that come with the software package. Despite its UI flaws, Windows 8 improved significantly on memory usage, as well as an improved security system. Sources report that, despite being the newest operating system, Windows 8/8.1 is currently only being run on 13.4% of desktop PCs. In comparison, more than half (51.4%) are running Windows 7 and almost a quarter (23.9%) are still running Windows XP.

History lesson aside, and moving to the point of this article, the new Windows 10 operating system has recently been announced, which, according to Microsoft, will be the solution to everything that went wrong with Windows 8, and much more. Windows 10 will run on a multitude of devices. The Windows 10 interface on one's phone will be the same one on their PC, tablet, or TV. Additionally, a multiple desktops feature is to be

included. Windows 10 aims to be ideal for all users of a variety of devices, with a UI that adapts and works in different screen sizes. Windows 10 will also mark the return of the start menu! The new Windows 10 start menu combines elements of the classic menu with the Windows 8 tile screen. Essentially the start menu is going to be like the start menu of Windows 7 but with Windows 8-esque tiles on side as an addition, which will be customisable like in Windows 8. Essentially, Windows 10 is intended to be what Windows 8 was supposed to be.

So why is the new operating system after Windows 8 being called Windows 10 instead of a logical Windows 9? Well, Microsoft most certainly could not call it Windows One since there was already a Windows 1.0 from the 80s. The choice of name was justified as a statement that Windows 10 is not simply an increment or step forward from Windows 8, but a brand new start for Windows operating systems. Microsoft has been aiming to build a more progressive image in recent years, and Windows 10 is one example of such a movement. Another quite interesting possibility for the name comes from a snippet of code taken from third party software, which essentially takes anything of the form 'Windows 9' and assumes a referral to Windows 95 or 98. Basically, developers were still con-

cerned with backwards compatibility with 16+ year old operating systems. Some businesses do in fact still do use Windows 95/98, so perhaps the naming decision was quite logical after all.

Currently, Windows 10 is only available to a select few who have opted into the Windows Insider Program to test early builds of the operating system as a 'technical preview'. This is a major announcement for Microsoft under the leadership of the new CEO, Satya Nadella, who replaced Steve Ballmer in February. Nadella has previously expressed his intention to have an operating system that will run seamlessly on all devices. With both old and new competitors raising the bar, Windows 10 is a much needed product for Microsoft to stay in the game. Aside from the well-known operating systems such as Apple's Mac OS and Google's Android, companies such as Valve are now developing their own SteamOS made especially for PC gaming. Google's cloud based Chrome OS is another newcomer to watch out for in the future as well. The expected release of Windows 10 is scheduled for the fourth quarter of 2015, a time that PC users everywhere will be looking forward to. Windows 10 will be big, and unlike the release of Windows 8 in 2012, Microsoft can't afford another disappointment this time around.

## Google Encounters European Union Roadblock



**RATAN VARGHESE**  
1A ELECTRICAL

Google is the world's leading web search company, with a huge global share of all searches. In Europe it controls 80 percent of the search market. But for the past five years, Google has been driving into legal roadblocks in the European Union, erected to try to reign in the search giant's influence. The European Union recently rejected a settlement from Google to settle its antitrust complaints.

Google has of course expanded far beyond its core search market: it provides a wide range of other products including email, an office suite, cloud storage, music streaming, the wildly

successful Android operating system and the much reviled social network, Google+. Competitors claim that Google is using its monopoly in search to try securing monopolies in these other markets. Specifically, they claim that Google places its own products higher in search results, and sometimes places "cards" of its own services ahead of links to services offered by others. For instance, when searching for a stock, a card with information from Google's stock database is shown above all the search results, to the disadvantage of stock information websites everywhere. If Google is proven to be abusing its search monopoly, it would be a breach of EU antitrust law, meaning that Google would have to pay a fine equal to 10 percent of its annual revenue.

Google has offered placing competitors' products higher on search

results, but to no avail. The EU has rejected Google's current attempt at settlement. In fact, the recent pitch was Google's third. EU Competition Commissioner Joaquin Almunia stated in an interview with Bloomberg that he is "trying to extract" better terms of agreement. Margrethe Vestager, who will succeed Almunia this November, has claimed that anti-trust investigations of Google will continue. The EU may also start probing the effects of other Google products on the market.

Some officials in the Union demand further concessions. Energy chief Guenther Oettinger has stated that Google should come under tighter regulation to ensure objectivity in search results. Exactly how the EU will measure 'objectivity' of search is yet to be seen. For instance, Google's current system of counting links is vulnerable to

search-engine-optimizers. In addition, whenever Google changes their search algorithms, small websites struggle as their search rankings suddenly shift.

This is not Google's only conflict with the EU. There have also been calls for Google to implement a "right to be forgotten," wherein individuals can apply to have their personal data removed from Google searches. While this may constitute hiding information from the public, it is also supposed to help people continue their lives without being stigmatized for events in the past. In a separate incident, German newspapers have complained that Google is summarizing their articles, and a regional regulator has called for Google to limit its cross-analysis of customers. Ultimately, so long as Google holds the lion's share of the search market its legal scuffles may never cease.

## White House Intruder Highlights Security Shortcomings



**SUCHARITA VIJAYARAGHAVAN**  
1A CHEMICAL

To start off, here's a simple question. How would you feel if some stranger entered your house out of nowhere? Terrified? Surprised? A slightly tweaked version of this question now; How would you feel if a stranger dressed up as a cartoon character, say a Pokémon, jumped over the fence and enters your house? The same with a little bit of excitement, right?

If normal people like us would feel frightened and such, imagine how the President of a powerful country would feel if something like this happened to him. Not just once, but twice in one month. Well, just such an incident happened in the US.

Fence crashing the 'White House' has

been a rather common incident over the past few years. It has been reported that many times, people have been accused and arrested of jumping over the fence and entering the white house. Most of the white house intruders do not do it in the intention of harming the President but are usually trying to attract attention to themselves or their ideas or are intruding accidentally. One of the recent ones include a toddler who squeezed through the fence while returning to his parents.

On September 19 Omar J. Gonzalez, a war veteran from Iraq, climbed over the White House fence along Pennsylvania Avenue carrying a pocket knife. He darted across the north lawn and got inside the unlocked doors of the north portico. He is the first person to have made it into the White House through the North Portico doors. After entering the White House, he overpowered a woman Secret Services officer. He then ran through most of the main floor before

he made it to the far southern end of the East Room and was tackled by a male counter-assault agent. Gonzalez was then arrested and taken to George Washington University Hospital after complaining of chest pains. The shocking part of this incident was that security services failed to stop Gonzalez. Not only was the alarm box muted, but three rings of security failed to stop him. It was found that officers on duty failed to notice him jump across the fence, the rings of security couldn't stop him while he was making a sprint to the white house, and a security dog wasn't unleashed as the officer was afraid it would attack the officers chasing him.

What is more shocking and hilarious is that, a few days before this incident, on the September 11, 2014 another rather funny occurrence was recorded. An unknown man wearing a 'Pokémon' hat and carrying a 'Pikachu' stuffed toy jumped over the fence of the white house

and was hiding behind one of the bushes until the security team spotted him and arrested him. Yes. You read it right! Who in their right mind would've thought it would be a good idea to hop the fence of one of the heavily guarded houses in the world? Well, this man did!

After such back to back incidents, the White House secret service is under scrutiny for their rather poor security service. But, the head of the service has given the assurance statement, saying, "What happened is unacceptable and it will never happen again."

As the nation calms down after these two incidents, the security service at the White House has promised to enhance their service and minimize such events in the future. A final note to this article; as exciting and hilarious as it may sound, having someone dressed up break into your apartment or dorm is a very serious and dangerous issue. So, stay safe and secure and have fun!

# Point Vs. Counterpoint

## Traditional Textbooks are a Better Choice than E-textbooks

POINT

JESSICA KEUNG  
2A CIVIL

Knowledge has been written onto surfaces for eons, first on clay tablets, then slates and papyrus, cat guts and various skins. With the invention of the Gutenberg press, books became widely available for even the layman. Especially now with huge printing machines, knowledge embodied in paper has become more accessible, with multiple versions. Textbooks are a very important resource to have and to refer to throughout your course. Often times, professors will assign practice problems from outside sources and their lectures notes can be sufficient but having the textbook is a great way to increase your understanding of the course material. Now with the rise in of electronic devices, PDFs and online access to the same textbooks are being more and more available often at a fraction of the cost. Electronic copies of the textbook can be a convenient way of accessing the knowledge but physical copies of textbooks are a tried and true way for studying. Rather than using electronic books, or e-books by the current vernacular, students should continue to buy textbooks from the university book store and consider the cost an investment in their future.

In all the courses at the University of Waterloo, textbooks are often assigned or recommended by professors and instructors to either supplement or reinforce the material being taught in class. As students, we do not have unlimited funds to pay for housing, food, and school supplies and must pick and choose how we spend our money. Textbooks should be a cost taken into consideration when budgeting for the school year but with textbooks costing an upward of \$200 per book per course, students often consider the purchase of online access to textbooks for less than 40% of the cost. As convenient as it is to use electronic copies, these electronic books, online access and PDFs copies of textbooks are not always available. Textbooks on the other hand are widely accessible; you can buy them in the university book store, Amazon and even inexpensive international versions from AbeBooks. If you do not mind buying second hand copies, there are many resellers of textbooks on Facebook, Craigslist and Kijiji. Following these steps help to further reduce the cost of your textbook expenses. The only way of legally accessing electronic copies of textbooks would be if the textbook publisher decides to sell the access and many times the publisher does not make that available. When you are done with the course, you can resell the physical text book to other students or to the used book store and partially recover the initial cost of the book. By buying books and reselling them, you are helping other students by providing lower cost textbooks and help keep money in your pocket and beer in your fridge.

Physical copies of textbooks are great, they are the closest thing to holding knowledge in your hands, other than the Internet. Additionally publishers often update and publish new editions of textbooks while keeping the content the same. By jumbling around chapters and practice problem numbering, they make old editions less usable than the brand new edition. Why not use this to your advantage and buy the old edition? Copies of old editions of textbooks can be purchased at a very low cost and will contain the same information as its successor with very little changed. If the professor only assigns readings from the textbook, buying the old edition and following along with the

numbering or matching up with a friend who did buy the new edition can be an inexpensive way of accessing the material required. When you are finished with the book, the used book store may not buy it back but you can always keep it on hand. Textbooks are always a great resource to have as engineers, to refer back to or to refresh those basic skills used in the work place.

One of the problems with PDFs and electronic access to textbooks is that they require some sort of electronic device to view the material. While the devices are lighter and portable, these devices also have Internet access and cause many distractions in class and during studying time. With textbooks, there are no distractions and you can work effectively and study efficiently. With no batteries or system updates, books can survive indefinitely with proper treatment and care. Textbooks cannot be destroyed easily while PDFs can be deleted and the access to online textbooks can be lost after the term is over. With PDFs and online access to textbooks, the files are kept hidden away in various folders on the computer or electronic device. Without constantly seeing the textbook, you will forget to open it and read it even after purchasing the access. On the other hand, you can keep the textbooks on display to show how smart and well-read you are and be constantly reminded of the impending assignment deadline.

Finally, studies have shown that people read slower, less accurately and less comprehensively on screens than on paper. Comparing studies done in the 1980's on the topic of reading speed, comprehension and accuracy on a video display terminal (VDT) versus paper-based text, it was found that silent reading from a screen was significantly slower than reading from paper. The evidence suggested that the difference in reading speed between reading on paper and reading on screen was between 20% to 30%.

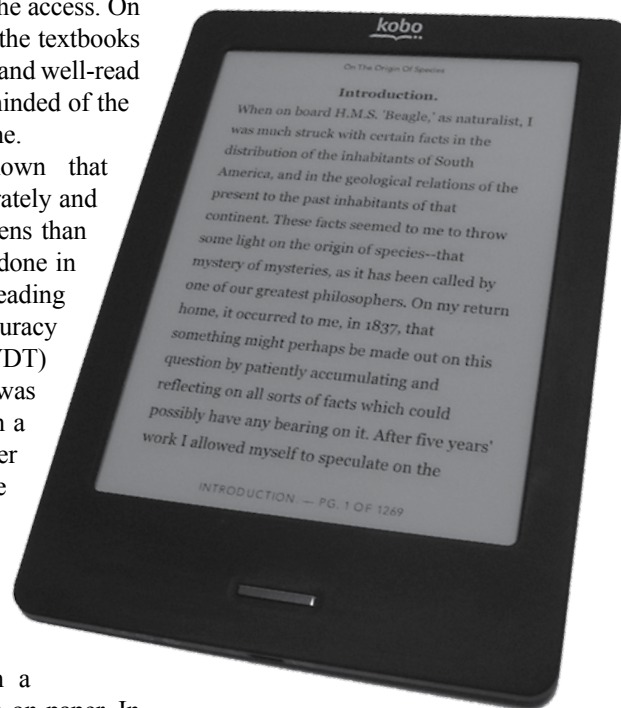
The accuracy of reading on a VDT proved to be lower than on paper. In one of the studies, readers compared two versions of hypertext and a paper copy of a document on winemaking. The measure of accuracy taken was the number of answers correctly made to a set of questions seeking information to be found in the document. They reported that readers of the hypertext were significantly less accurate in answering the questions than the paper-based readers. One of the most important aspects of reading is comprehension, especially for a university setting. The studies measured reading comprehension by asking subjects to read short passages from the screen and from paper and measured the reading time and comprehension. The examination of the results showed that people reading from the virtual based text was at a considerably higher disadvantage in reading comprehension and speed than those reading paper based text.

While electronic access to textbooks can be more portable and more inexpensive than buying new copies of textbooks, there are many more cost effective alternatives to purchase physical textbooks and clear academic advantages to purchasing physical textbooks. Readers, please do not participate in illegal activities; I do not recommend pirating books or supporting pirating efforts. Remember, you wouldn't download a car would you? Then why would you illegally download a \$200 textbook?

CAMERON SOLTYS  
2A MECHANICAL

University gets a little more expensive every year. Around here at Waterloo we all have great, usually well-paying, co-op jobs; but an ever-towering tuition means that most people are still on a tight budget, especially with educational material. What is the most expensive education material? After your tuition, it's the textbooks. The couple thousand pieces of paper with nice (if somewhat abstract) covers which, according to the *Canadian Federation of Students*, costs an average of \$500 to \$1000 dollars per year. And while you may have shelled out a lot of cash to buy them, your textbooks will never sell for nearly as much. When the next version comes out, you eat the depreciation like a bowl of sawdust. Sure, someone else might still be willing to pay for it, but only because they know they can get a great deal on a book which is likely to be out of date and of only limited use.

Fortunately, there is a better way. Our salvation comes in the form of the humble ebook, and the .pdf file that most of us



are familiar with as the way we disperse all of our resumes come Jobmine season. Many of the biggest publishers now offer ebook versions of their textbooks at reduced prices. Nelson sells its textbooks for about 40% of the price of the hardcover, and others like Pearson give similar incentives to ditch that print version of the book for good. But price is not the only advantage that electronic textbooks offer; ebooks have a whole host of great characteristics which can make your life just that little bit easier.

One of the great things about an ebook is that its easy to get if, and only if, you need it. One common strategy to keep the price of textbooks down is to wait and see if it's going to be necessary for the class. It's a great strategy, until you realize Saturday afternoon that you did need the textbook after all, and you'll be flunking that quiz Monday morning without it. What are you going to do? Jump on Kijiji looking for a cheap, older version of the textbook you can procure in the next few hours and within busing distance? Never fear!

Photo by Honza Chodec

COUNTERPOINT

With an ebook, you can buy the textbook instantly, and it will be ready for you to start desperately skimming in minutes.

To be fair, if your strategy is to buy the textbook when you need it, chances are you don't really need the textbook. Rather, you need a bit of help with this one part and the other resources you have just aren't enough. Well then I have an even better solution: buy individual chapters from the textbook, and only pay for the parts you are going to use. This is another great option which you can only really get with a ebook, not a textbook, and a very economical one at that. Nelson, for instance, offers single chapters for anywhere from two to eight dollars each.

As I've already said, price is a huge incentive to make the jump to electronic literature, and convenience is another. Does this mean that those of us who will be buying our textbooks at the start of the year are best off shopping around for a used version, likely at a comparable price point? Maybe not.

Electronic textbooks have some other distinct advantages over their more technologically-disabled counterparts. For a start, they're much lighter. Basically weightless in fact. Long have there been jokes about academics who are unable to do a single pushup, but then squat 90.9 kilograms thanks to their well-toned leg and back muscles. But the weight of your backpack should be a real concern; in the US, over 28 000 people went to hospital after being injured by their too-heavy backpacks in 2012. With an ebook, on the other hand, you probably don't even need to lug any extra weight around at all. Your laptop, your tablet, or your phone can take the place of all of your textbooks, and you don't need to buy any fancy new hardware to get the full experience.

Ebooks offer some other major advantages over traditional textbooks. You can, for instance, add all of the digital bookmarks you want, and never have to worry about them falling out. Even more useful, you can quickly search the entire textbook for a specific keyword, or an entire phrase if you remember a concept but not where in the book it was. It's a much more efficient and effortless method than filing through a fickle and limited index, which may or may not have been made with keywords you would think to look up. Additionally you can study any time and any place you want; your reference material is always just a few button presses away.

Electronic textbooks are a great alternative to the traditional physical book. They offer the always useful, sometime mandatory advantage of being a current, up-to-date version of the textbook without the new-textbook price. They are much more convenient, accessible on all of your electronic devices and take away from the potentially dangerous mass you place on your back every day. They can even be sold chapter by chapter if that suits your studying needs. Textbooks are a huge investment that can make or break the bank; ebooks give you a superior product, and at a much lower price. So next year, skip the book store line; buy your textbooks for a fraction of the price without getting out of bed.

### 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.

# A Reflection On Orientation Week



**COLIN EVANS**  
1A CHEMICAL

An oft-repeated adage is “today is the first day of the rest of your life.” It’s become platitudinous now, but it would have been an apt remark on August 31, or rather, “this week is the first week of the rest of your life”. The shift to University is one of the most, if not the most, significant changes in one’s life. It’s also difficult! We’re a mere two weeks into the term, and already you can hear the lamentations of burgeoning engineers (myself included).

It’s no wonder that the University members feels obliged, out of the kindness of their heart (and maybe just a little out of our bank accounts) to ease the transition. Thus, we have orientation week, the result of a collaborative effort between the Federation of Students, Graduate Student Association, College Pathways, Waterloo International, the Student Success Office, and each faculty.

It’s a gargantuan effort. Thousands of frosh and one week to cram full of activities. And not just any activities, but ones that must be fun, informative and safe, and must all occur together without conflict. It is

surely no easy feat. Was it successful?

Let’s first consider the general orientation events, those being the ones that didn’t occur within any one faculty. Kicking things off was the Warrior Welcome, the large assembly in the PAC gymnasium. Done in earnest, but with the wrong intent. All of us in that gym chose Waterloo. So tell me, why do we need to be reminded of the immaculacy of this University and ensured of our success here? Have we not been berated by Universities showering praise on themselves for the last year? We’re in already! You got us! The assembly was simply unnecessary.

Thankfully it wasn’t a sign of things to come. The assembly was informative; the rest of the activities were entertaining. Entertaining on a broad scale. Some may have enjoyed the iridescence and volume of the many dances, others may have preferred a comedy show, and still others may have just wanted to engage in some mock-casino gambling. There was something for everyone. Even those fascinated by hypnotism! Campus was coursing with entertainment during o-week, and few things welcome as well as entertainment.

Now we come to the faculty-specific events, the faculty in question being engineering. Here things were much less open; this is where the “orientation” had to be put

into orientation week. The engineering faculty was met with the difficult task of giving us an idea of what it’s like to be an engineer in a fun and engaging manner. In some activities, the seams were visible where an activity was hurriedly attached to something that was to be taught. For example, the activities put on by ed-com on the Graduate House Green, which ranged from matching pictures to placing plastic balls in a hard-hat. All the information dispersed through those activities felt very minimal. We’re not little kids anymore. If it’s something that can’t be adequately communicated through an activity, just have us attend an oral presentation containing the necessary information.

The hands-on activities were far superior. Junkyard Wars in particular was an amazingly well put-together event, and it succeeded in entertaining us and giving us an idea of what it feels like to be an engineer. Another highlight was the creation of a ramp out of junk. Again, our intuition and creativity were challenged in an engaging activity. Engineering O-week needs more activities like those two: hands-on and open-ended.

There were many times when the sheer size of the engineering frosh contingent (1700+ students) was painfully obvious. Never was this more apparent than during the cruelly-timed rainstorm that occurred on the Tuesday. Being frantically

herded through narrow hallways with your personal space wholly compromised was torturous. “Herded” was a pervasive feeling during engineering’s o-week activities. No one wants to feel like cattle. That was engineering orientation’s biggest flaw: too big a group being strung along too tight a schedule. General orientation was successful because it gave us freedom and choice. It never felt constraining, like the Engineering orientation often was. It should be structured in the same way as general orientation. Give us a run-down of the events going on, and let us choose which one to attend. Don’t cram us into groups and drag us across campus!

Considering, however, that there were 1700 frosh to deal with, they did a terrific job. For the most part, everything ran smoothly and the bigs and huges did an amazing job moving their groups around campus. Even though some activities were mediocre, they all offered an opportunity to interact with others and become more socially comfortable in this new environment.

So, I say orientation week was a success. It’s been going on for over 40 years after all! Say what you will about the hackneyed activities, or the goofy cheers, or oversized groups; orientation week was fun, inspiring, and friendly. Who could ask for more out of the first week of the rest of their life?

## Her Majesty’s Poles and Jackets



**CAMERON SOLTYS**  
2A MECHANICAL

### ENGINEERING TRADITIONS

Sometimes you make a mistake where you start banging 2×4 walls together before digging holes for the foundation, and then realize that the ground is an inch of clay covered by impenetrable granite. “Putting the horse before the cart” as people say. I did that last week, when I announced that I wanted to write a column this year for the Iron Warrior; as I said it, I realized that I didn’t know what I wanted this column to be about. So I blurted out the first thing that came to mind: national engineering traditions from countries around the world.

I figured it would be a good topic. What equivalent do other countries have to Iron Rings, purpling, and the Hymn of Godiva? The answer, I was disappointed to find, is purpling and the Hymn of Godiva. So abandoning my original topic for this column, I did the equivalent of putting skis on the bottom of my house so that at least when it slid nothing would get too damaged; I changed the challenge to a more easy one, and reworked my scope to the traditions of other Engineering Schools, international or otherwise. And up first, a school with whom we have less of a rivalry than University of Toronto: Queen’s University in Kingston, Ontario.

I went to Queen’s once and took a tour. It’s a nice campus, right on Lake Ontario, with pretty glass buildings and a foreboding old guard tower—certainly nicer than the plain walls of DWE which my friend’s father once described as “[screaming] 60’s education grants.” My tour guide also mentioned that a 5 minute walk was appropriate for those off-campus students who were trying to lower their rent by living further away from campus.

As far traditions go, Queen’s Engineering has an impressive roster. There’s “The Queen’s Grease Pole,” a frosh week activity in which first-years must climb a pole situated in the middle of the “Grease Pit” mud pit to rescue a traditional Scot-

tish cap known as a tam. The pole itself is a football goal post, stolen by Queen’s students from UofT (these guys are starting to grow on me) in 1955 and guarded by each first year engineering class, who must defend it from both other schools and their own upper year students.

By far the most rigorous tradition of Queen’s Engineering is the protocols surrounding their leather school jackets. Engineering students buy their jacket in December, two nights before the start of their final exam season. After buying the jacket, they are not allowed to carry it, and instead must kick it home before picking it up. This is apparently in memory of an older tradition where upper year students would steal the jackets (you know, these “upper years” are starting to sound like real jerks), place them on roofs or poles (I’m noticing a trend), and then mandate that the frosh couldn’t use their hands during their efforts to retrieve the jacket. After successfully kicking their jackets

home, the first years dye them purple, and then must wait until the end of the exam season to actually wear them.

As if all of the regulations regarding purchasing and preparing your leather jacket weren’t enough, there is a whole second set of rules for all of the achievement patches and emblems you can put on. I found a detailed diagram online about the specific locations where the various patches go, though I noticed a small note that this was only a “suggested” style guide. I choose to maintain my original assumption, however, that failure to place the patches correctly leads to the jacket’s owner being ostracized by the engineering community, and that they must preform some great feat like scaling the aforementioned tower’s wall to regain their social standing.

Finally, I will speak briefly on an Engineering tradition which is probably more interesting to me than anyone else; the Queen’s Engineering Society weekly

satire newspaper, Golden Words. Started in 1967, it has provided weekly humour and information to Queen’s engineers for over 40 years. And while I could not find any primary or secondary sources to back it up, the Golden Word’s Wikipedia page claims that the paper once did a parody issue of the Globe and Mail. They even managed—it is claimed—to get their copy of the paper into the newspaper vending machines in the Globe’s head office instead of the official version.

So here’s to you Queen’s Engineering, a school which is apparently rocking just as much engineering tradition as Waterloo—most of it hoisted on the top of poles. Next issue I’ll be back with another university, probably international this time. That is unless I find that Queens and Waterloo are the only engineering schools which have any traditions worth commenting in, in which case get ready to hear about my high school’s really awesome football chants.

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# Oracle's Larry Ellison Steps Down as CEO



**CAMERON SOLTYS**  
2A MECHANICAL

After an impressive 38 year run as CEO, Larry Ellison has stepped down from his position at Oracle, making way for another to take his place—the first time this has ever happened. He hands the job to his two capable co-presidents, Mark Hurd and Safra Catz. Ellison leaves behind an impressive legacy; after founding the company in 1977, he turned Oracle into the world's biggest maker of business software, second only to Microsoft in overall software manufacturing. Forbes, the biweekly business magazine, named him as the 5th richest man in the world in 2011, with an estimated worth of \$51.4 billion.

Despite all of his accomplishments, Ellison isn't quite ready to take his retirement yet. Instead of retreating to his private Hawaiian island (though, to be fair, there are still about 3000 other residents living there from when he bought it), the 70 year-old tycoon will stay on as a full time employee, working on more technical parts of the company such as product engineering. And thus, the career which The Guardian calls "one of the most profitable runs for a leader in business history" continues. Perhaps he

is unsatisfied with owning the 6th largest Hawaiian island, and is interested in in getting a majority share of the land rights in the state.

Oracle itself remains an incredibly successful corporation, with annual revenues of \$38 billion and a divinely high operating margin of 47%. Both of these tremendous figures are due, in no small part, to the particular software which Oracle specializes in: business. Most of the big companies in the world use Oracle's software to handle all of their big data, and there simply isn't any incentive to switch. Oracle dominates the business software market, and can set the prices as it pleases. Even if competition did arise, the inevitable hiccups and issues which would occur during a major database restructuring means that ostensibly cheaper options simply aren't worth it.

Oracle does its part to keep the area free of competition too, snapping up potential competitors in billion dollar deals, such as hotel-software company MICRO for \$5.3 billion. However, the ever-changing technology industry is starting to field new threats. For instance, Oracle can keep its prices high because it has a firm but mutually beneficial grasp on many well-established companies, but has difficulty attracting new businesses which have the luxury of choosing a cheaper option for their new, non-legacy databases and files. Similarly, the increas-

ing popularity of cloud software, such as Office360, is quite contrary to Oracle's model of selling software outright and then making more sales by selling those same customers the newest version of the software in a few years. Cloud software, by comparison, is a subscription service, charging for online access to the application and allowing for much easier upgrade; when the new version comes out, cancel your current service and start on the new one.

Oracle has been responding to these new challenges. For instance, they released a freeware version of their world-class SQL database software, MySQL.

This keeps the technology workforce familiar with SQL databases, which in turn encourages companies to buy the software their labour pool is familiar with. As well, they have launched their first foray into the strange new world of cloud computing, deriving 4% of their revenue from various cloud services.

So as Larry Ellison takes a back seat at Oracle, it's time for some new stars to step up and take the lead. He has definitely built up his company to a dizzying height. It remains to be seen if it can tilt with the shifting sands of the technology landscape, but for now it appears to be weathering the challenge well.



Oracle Corporation Communications

## Updates on Ukraine



**VINCENT MAGAS**  
2A MANAGEMENT

A month after the original truce deal between Ukrainian forces and the pro-Russian Rebels, shots are still being fired across Eastern Ukraine. The Ukraine Crisis, sparked by the change of government and the annexation of Russia of Crimea, captured the world's attention early this summer. Relations between Ukraine and pro-Russian

rebels proceeded on a downward spiral culminating in events such as the Malaysian Airlines downing, Russian sanctions, and the recent death of a Swiss Red Cross worker.

On Thursday, October 2 an artillery shell landed near the international organization's office in Donetsk, killing civilians including a Red Cross worker. Laurent DuPasquier, a 38-year-old Swiss national had only been in Ukraine for six weeks when the shell fell near his office. The International Committee of the Red Cross (ICRC) offices is located less than one kilometer from the State of

Security Headquarters in Donetsk, which have been under rebel control since early April.

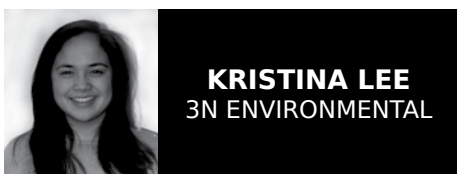
The ICRC has expressed its severe disapproval of the blind shelling and fire over residential areas which has caused increased civil casualties. In one recent event, approximately 10 civilians were killed when a shell hit a school playground in Donetsk. The deaths have been spread across both Rebels and Ukrainian forces. Since the September 5 ceasefire, the fighting has been limited to mainly the north of the city. This area, however, contains many residential areas causing a

rise in civilian casualties. Approximately 3000 people have been killed since the fighting first broke out between the rebels and the Ukrainian forces.

Ukraine has pleaded for more assistance from the West in recent weeks. Ukrainian President Petro Poroshenko had requested that US President Barack Obama provide greater support to combat the pro-Russian rebels. President Poroshenko visited the United States, addressing the Congress to provide military equipment to the Ukrainian forces, requesting both lethal and non-lethal provisions.

## Adventures in the Great Canadian North

### Gold Rush Not Just a Flash in the Pan



**KRISTINA LEE**  
3N ENVIRONMENTAL

Someone up here tried to tell me once that the Yukon plays up the gold rush. I didn't want to agree with them but at the same time who wouldn't flaunt one of their best features? They started the conversation with "None of you are from the Yukon right? I have something to tell you that they wouldn't like." I assumed it was a scandalous tidbit of gossip, but instead they proceeded to inform me that the gold rush wasn't a big deal. The Yukon totally hyped it up for tourism.

To be fair, I've never been in the Yukon during tourist season but I am still going to disagree with what he said. Looking at the facts, the Klondike Gold Rush only really lasted about 2 years. Those were the two years that produced more gold than any other and by a long shot. It's not like there was no gold found and the suddenly for two years BOOM, we're rich. Early prospectors were out searching years before those 2 big years and there were many more after.

A lot of what I perceive as part of the gold

rush is the decline of the gold rush. I've learned quite a bit about it from reading I Married the Klondike by Laura Berton. One thing is for sure, the gold rush did last more than two years.

Word didn't get out as easily back in the day. By the time the first miner struck rich, it took a year for the news to travel down south to Seattle. A year! That's when the prospectors arrived in hordes, some 22 000 people by some accounts. Many took the famous Chilkoot Trail. It was mandatory to carry a year's worth of supplies across the border. However, many would discard items soon after crossing the border. A lot of these items still litter the trail and backpackers today can see them when they hike the Chilkoot.

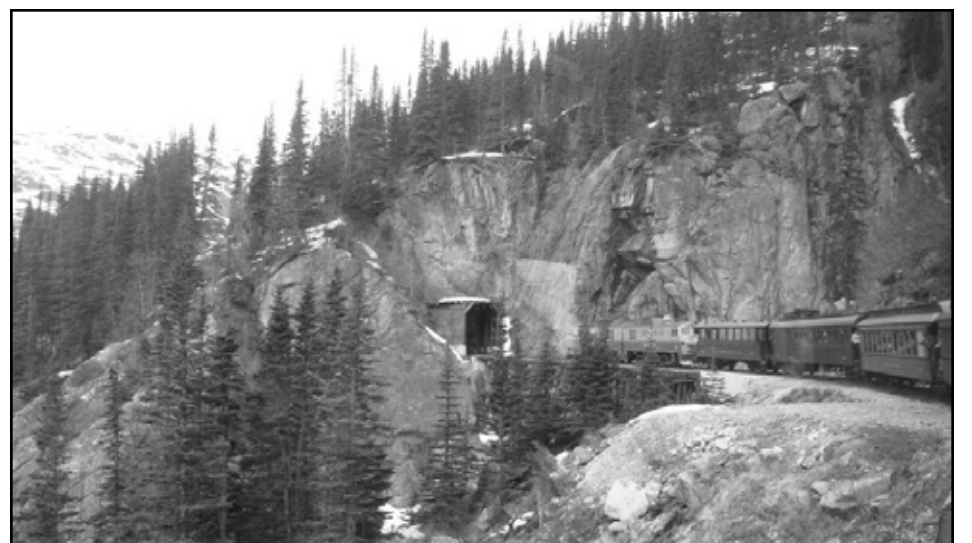
The gold rush also brought new transportation systems and opened up much of Alaska and Yukon. The White Pass & Yukon Route (WP & YR) railway, now a scenic ride from Skagway to Carcross, was a cornerstone service of the Yukon. It utilized a second, longer route to the Yukon headwaters where people would begin travel by boat. The WP & YR ran year round which meant dealing with some pretty nasty winters and a lot of snow. A fun fact, the White Pass & Yukon Route railway is an Interna-

tional Historic Civil Engineering Landmark - a title shared by 36 feats around the world.

You could watch a TV show called Klondike to get a feel for what it might have been like but please don't. It's not great. It's not worth watching. It's better to read about the Klondike Gold Rush.

I would say the gold rush extended far beyond its peak. Many never gave up the quest for gold while others struck rich min-

ing for other minerals like silver. There are some interesting stories from the gold rush and of those who stayed behind. One thing is for sure, I understand how some were romanced by the gold rush and headed up north. It also opened up and populated Alaska and Yukon which I'm thankful for. Now on the weekend I can venture into the land of the free and take a quick look at Russia.



Leah Kristufek

Scenery along the White Pass & Yukon Route as the rail leaves Scagway

## What now?



**NANCY HUI**  
3A CIVIL

TAKE FIVE

There are roughly seven months until the class of 2015 graduates. I can't speak for any of my esteemed peers but I am fairly sure many of us don't know exactly what we are going to do. Co-op has been a blessing and a curse in that regard: good co-op experiences help you find out what you want to do. Bad co-op experiences make you want to curl up in your bed and consider becoming a freelance hobo artist ninja pirate.

Here's five movies in which the protagonists didn't have co-op to help them deal with the uncertainty in their lives.

### The Hurt Locker (2008)

A bomb squad in Iraq (Jeremy Renner, Anthony Mackie, and Brian Geraghty) endure the last days of their rotation, during which their work-life balance leaves something to be desired.

Director Kathryn Bigelow has created a spellbinding and masterful portrait of men who defuse bombs and why they do it. Sergeant Sanborn (Mackie) does it because it's his duty. Soecuakust Eldridge (Geraghty) does it because he doesn't know what else to do. And Staff Sergeant James? He has a great line to his infant son: "The older you get, the fewer things you really love. And by the time you get to my age, maybe it's only one or two things. With me, I think it's one." (Hint: he's not referring to his son.)

It's easy to write about how bad a movie is. It's difficult to express how good a movie is, especially when it has as little plot as *The Breakfast Club*. There is nothing wrong with the movie. The suspense isn't cheap. The performances are tightly wound and visceral. Nobody spells it out for you, but you know exactly what characters are doing, and why. *The Hurt Locker* is instinctual, intelligent, and forceful.

### Zero Dark Thirty (2012)

A CSI analyst, Maya, (Jessica Chastain) searches for Osama bin Laden. (Spoiler alert: She finds him.)

What does it say about me that I like watching Jessica Chastain get her way within the CSI? Kathryn Bigelow's followup to *The Hurt Locker* is not quite as intuitive or powerful as its predecessor, but Chastain carries the film on her shoulders first tentatively, when she arrives at her first interrogation session in a suit, and then like Atlas, as she tracks increasingly tenuous leads to bin Laden.

The problem is that the search for bin Laden took nearly ten years, or two and a half hours of screen time. There are periods where a whole lot of nothing happens except people getting frustrated, which frustrates the viewer. Watching Maya's resolve run into brick walls and bureaucrats bogs down the film, particularly when that's the only thing driving the movie. It also brings about the great tragedy at the end of the film: after having dedicated one's entire adult life to finding and killing bin Laden, what do you do?

### The Chronicles of Narnia: Prince Caspian (2008)

After defeating the White Queen in *The Lion, the Witch, and the Wardrobe* the Pevensies have a difficult time adjusting to civilian life in wartime London. When they're whisked back to Narnia, it's not much better: over a thousand years have passed and everybody they love is dead.

Still, there's not much time to grieve: the

Pevensies are dumped in the middle of a war of succession between Prince Caspian (Ben Barnes) and his evil uncle - of course it's the evil uncle. Satisfying swashbuckling and clear-cut moral crises ensue, but Narnia is not the land of discovery and innocence anymore. What do you do when you can't go home again? (Answer: cry a little at the end and listen to Regina Spektor during the credits.)

### Up (2009)

Carl's (Edward Asner) wife dies, leaving him bitter and reclusive. He embarks on a trip to the mythical Paradise Falls to fulfill a childhood promise to his wife by hoisting his house in the air with helium balloons. After he reaches his destination one presumes that he will commit suicide. However, Wilderness Explorer Russell (Jordan Nagai) becomes an accidental stowaway in the floating cottage while trying to "assist an elderly person", throwing a wrench in Carl's peaceful plans.

This being Pixar, there isn't much I can say that you don't know about *Up*, either by word or by experience. Bring tissues, yada yada yada, first five minutes are better love story than *Twilight*, blah blah blah, talking dogs, woof woof woof. It sounds saccharine, but I think that *Up* works despite its emotional content is because the protagonist is a crotchety old man, and it concerns memories rather than real-time peril. Crotchety old men - even animated ones shaped like a worn-down eraser - don't talk about their feelings. But when they look sad, you get sadder than if Tiana or Rapunzel look sad. Plus, the idea of having lost someone you'd known for decades hits harder than the prospect of losing someone you'd only known for a few days. What can someone do after that kind of loss?

### The Graduate (1967)

Benjamin Braddock (Dustin Hoffman) graduates from college without any clear purpose. He is seduced by Mrs. Robinson (Anne Bancroft) but falls in love with her daughter, Elaine (Katharine Ross).

Ben is, however, a pretty creepy guy. His relationship with Elaine is alternately naive and abusive. He also looks nothing like a recent graduate, since Dustin Hoffman was 30 years old at the time of filming.

Elaine herself is a basic bitch. She likes the zoo, blue eyeshadow, and probably long walks on the beach. She doesn't like strip clubs and family drama. She is as interesting and manipulable as *Wonderbread*. I don't see what Ben would want to marry that chick. More importantly, I don't see why she'd want to marry Ben, who stalks her, slept with her mother, and took her to a strip club.

Speaking of her mother - ah, Mrs. Robinson! She is the only character who can even conceive of a life outside suburbia. She once had hopes and dreams beyond a backyard full of grandchildren and a career in the plastics industry! If Ben had any sense he would have continued having a no-strings-attached affair with Mrs. Robinson. Then I could have watched a plucky coming-of-age drama in which Ben reminds an older woman of innocent times, and she in turn ushers him into adulthood and wisdom before dying, like a darker, sexier Harold and Maude.

According to the American Film Institute, *The Graduate* is the 9th funniest Hollywood movie ever. *Brylcreem* and rapey undertones aside, I thought *The Graduate* was an excellent movie, but a comedy? Hah. It was a tragedy through and through. Even when Ben and Elaine get together, they - and we, the viewers - know that something is missing. And we face an uncertain future, wondering if we've made the right decisions.

## Smallest Villages in Canada

### Thornloe, Ontario



**JESSICA KEUNG**  
2A CIVIL

Having lived in heavily populated urban areas my entire life, moving to Waterloo was the closest thing I have experienced to small town living. The idea of living in a small town with less than a thousand people is completely foreign to me, so the best way to get to know small village living would be to live in a small village. Unfortunately, being a student at the University of Waterloo restricts how much time I can actually spend in these small communities. So the second best thing is Googling the "Smallest Villages in Canada" and writing about things from their Wikipedia page. This week's smallest village in Canada is Thornloe, Ontario.

Thornloe, Ontario, a small village in the Timiskaming District of Ontario, is situated on 6.49 km<sup>2</sup> of land with a population of 123 according to the Canada 2011 Census. To get to Thornloe from the University of Waterloo you would have to drive 6 and a half hours north, past North Bay. First drive out of the Kitchener-Waterloo Area on to the 401 East towards Toronto. Eventually transfer off onto Highway 400 and Highway 11 past Barrie, Orillia, and Gravenhurst. You are almost there, you just need to continue driving north for another 4 hours past Hunstville and Sudbury. This small village is situated between the towns of Englehart, with a population of 1519 and Timiskaming Shores, with a population

of 13 556. Thornloe is 5 kilometres north of Highway 65 and 17 kilometres northeast from the town of New Liskeard. The community of Thornloe was named in 1909 after a visit from the Reverend George Thorneloe, an Anglican bishop of Algoma. The incorrect spelling of the Reverend's name was never corrected. The Canada Census has shown that the population of Thornloe has been increasing from 105 people in 2006 to 123 people in 2011; that is a 17% increase in 5 years. Any administrative, public works and fire services needed in Thornloe have been contracted out to the Corporation of the Township of Armstrong.

The main employer of the village is the Thornloe Cheese factory, employing nearly one sixth of the population of the village in full and part time positions. The Thornloe Cheese factory opened in 1940 using locally-sourced milk to produce a quality Northern Heritage Cheese. The factory and retail store can be found on Highway 11. Thornloe Cheese has become a popular tourist attraction, offering cheese, cheese curds and ice cream to the hungry travelers and using over 3 million litres of milk a year.

Next week, we will continue this exciting journey around the most sparsely populated areas of Canada by taking a look at Tiverton, Ontario. Tiverton, Ontario is located on the shores of Lake Huron, between Kincardine and Saugeen Shores. Bruce Power, a nuclear power company that hires electrical, mechanical and civil engineering students for co-op positions, is located in Tiverton. This village has a population of 743 and is home to the Bruce Power Nuclear Generating Station,

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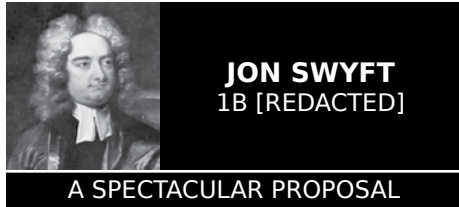
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# The War on War-ism



*Authors Note: This article is satire and should not be taken seriously*

Recently the headlines have been filled with violent events and terrible tragedies: trouble in the Middle East, tensions in Eastern Europe and North Korea still being North Korea. With all the terrible things going on in the world, what is there to do in this time of peril? How many more rhetorical questions will be asked? First of all, we are in a time of relative peace; people are dying at lower rates than they did in the past and all that the media creates awareness of the atrocities in the world. With all the talk of World War 3, World War Z, the War on Terror, and the War on Drugs, I propose that we start the War on War-ism. That is, a plan to end all war as we know it. War-ism is a terrible thing, it is defined, by me, as a way of thinking; to support any conflict and to instigate any altercations between two opposing sides. With the War on War-ism, like the War on Terrorism, we need to send troops to places and have them fight everyone who wants war or participates in it. Rather than setting an example of being peaceful, we should instead force other people to be peaceful or else they will face the consequences, mostly death, suffering and torture.

Firstly, as a way to end all wars ever, young people should be enlisted at random to fight for the cause. Like a draft, except not a draft, because that is what war entails and the War on War-ism is against all things war related. So after young and healthy people are drafted to fight in a war they didn't start, we give them guns, training and a uniform and tell them that they are supporting a worthy cause. Generally people are more willing to give themselves up for something greater than themselves like religion or nationalism. A combination of both is doubly as effective, like the cult of personality seen in so many communist countries. So if Justin Bieber and Miley Cyrus told all the young people to twerk against

war and to sign up to protect the #YOLO nation against the threat of anti-secularism, people would sign up in droves to fight for their right to parttttyyyyy. Many have tried peaceful demonstrations to get their message across to those who matter; like the March on Washington, Occupy Wall Street and every time I want McDonalds to bring back the strawberry shortcake McFlurry. These peaceful demonstrations can be fairly ineffective and can lead people no where. This is why we need to use un-peaceful (because violent is such an ugly word) methods of protest to bring peace to the world. Like Gandhi said "Nuke'em All" (Source: Civilization V).

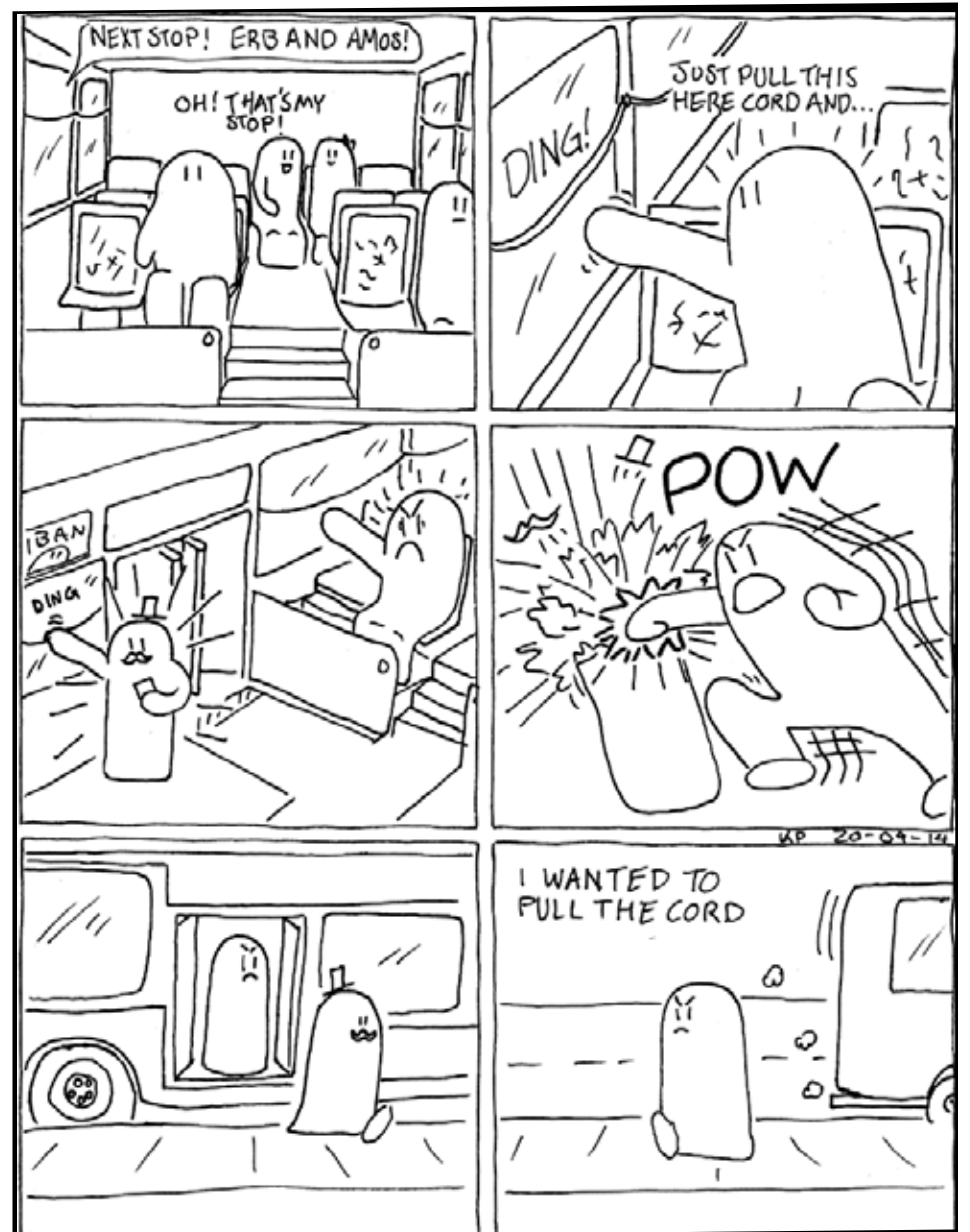
The penultimate way to end war would be finance more wars, if there are no people left on Earth to fight wars then how can people still fight in them? The idea of financially supporting wars and to support wars are completely different and completely the same. Wars cost a lot of money, Star Wars: The Empire Strikes Back had a budget of \$33 million and in 2013, the United States spent 608 Billion USD on defense alone. With wars and defense costing so much money, why not cash in on this cash cow and start investing money in weapons manufacturing and research and development. This is how to infiltrate business of war. Invest money on war things like Iron Man suits and Wayne Enterprises, start the war on war-ism, let governments from all around the world start to spend more money to defend themselves against the growing threat that is anti-war-ism, step 5: profit. When the War on War-ism ends, it will have successfully ended all wars either by annihilating the entire human race or some sort of hyperintelligent pandimensional alien being invades Earth by force. Either way, you will be rich, rich I tells ya. At this point your children will be in Harvard and your connections will all be politicians. What do you do now that there is nothing but peace and harmony? ATTACK SOMETHING, KILL THE AVATAR AND BLAME IT ON SOMEONE ELSE! Best thing to do would be to find a scapegoat that already had a history of violence and make sure no one speaks the language they do because no one wants to sympathize with the villain. Then you curb the threat you created with

your anti-war-ism war things and continue to profit off the suffering of others. Repeat these steps every few years, you will continue to make the dolla dolla bills and people will be none the wiser. How does this help the anti-war-ism effort? At least you can control whether or not there will be wars now, you could bring peace to the world and have everything be happy smiley fun times but that would boring and your newly acquired coke problem is expensive.

When things suck, companies tend to rebrand themselves. The most recent Tom Cruise movie, The Edge of Tomorrow, flopped in the box office but now they are changing the branding and title for the DVD release. So why not rebrand war things to support the anti-war movement? Rebranding works so well, it can also work for things that involve the word war. Things like Advanced Wars for Game Boy

Advanced, Star Wars, Robot Wars, War of 1812, will need to be rebranded as well. Robot Wars can change its name to "Kick Ass Robots Destroy Each Other for our Amusement" and the War of 1812 can be called "Fuck Yeah Canada". By removing the idea of war and battles from the vernacular, we are able to control how people think. Double plus good comrade. But why stop with pop culture things? Why not change the words associated with war itself? Call guns peace sticks, change the word soldier to peace keeper and change nuclear warheads to a permanent hug. When you threaten to use violence to end all wars, you can call it peace keeping and call torture enhanced interrogation techniques. Now if there are countries against the war on war-ism, you simply permanently hug them to death with nuclear missiles.

Yay violence!



## Dear Math News

It is good to hear from you. An open line of communication is always important to foster strong interfaculty ties. We would like to thank you for your kind feedback and will take it into consideration for the future.

Although we have always looked to you as the authority on ProfQuotes (with an s) there are occasionally jokes which we feel appeal more to our literal sense of humour than others and we feel the need

to share within the Engineering Faculty. It has never been our intention to detract from the amusement that can be derived from genuine MathNews ProfQuotes (with an s).

Please continue to share your valuable feedback with us through your publication. We will be watching for it.

Kind Regards,  
The Iron Warrior

**\$2 BUCK TUESDAYS**  
EVERY TUESDAY

**\$10 PITCHERS**  
THURSDAYS BEFORE 11PM

**PABST ATTACK**  
\$4.50/TALL CAN  
WEDNESDAY - ALL DAY  
FRIDAY & SATURDAY - BEFORE 11PM

**DIRTY BURGER DAYS**  
\$2 BURGERS AND WINGS \$6.50/LB  
TUESDAY, AND WEDNESDAY

**BIGGIE-UP**  
ANY DAY ANY TIME  
A BURGER AND A BEER FOR \$4 BUCKS!!

ADD FRIES FOR \$2  
ADD WINGS FOR \$2

PRESENT THIS COUPON AT TIME OF ORDERING

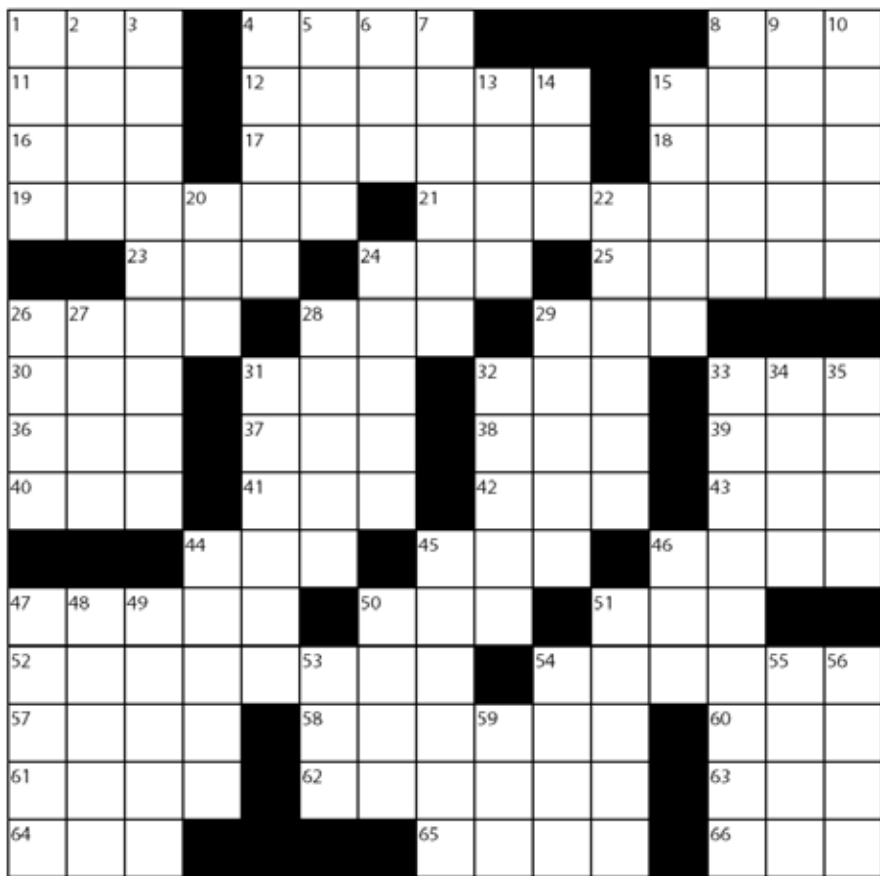
LIMIT 1 COUPON PER PERSON. OFFER DOES NOT INCLUDE APPLICABLE TAXES. NOT VALID IF REPRODUCED, SOLD OR TRANSFERRED.

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# A Song About a Girl

**NANCY HUI**  
4N CIVIL



**ACROSS**

- 1. Bus stop revenue generators
- 4. A word of woe
- 8. Crunching goals
- 11. Guano maker
- 12. Gesture of respect
- 15. Flying pest
- 16. YYY estimate
- 17. A magnitude with no direction
- 18. Goggle
- 19. Velgarth author
- 21. Beethoven piece in A minor (2 word)
- 23. "Are we there \_\_\_?"
- 24. Poke out
- 25. Obvious
- 26. Birdy like a course
- 28. 2013 Spike Lee film about AI love
- 29. Reserved
- 30. "You can't run from me \_\_\_, it's just us, nobody else!" (Eminem)
- 31. Lair
- 32. They're "born as the seventh month dies"
- 33. Personnel requirement for DP (abbrv.)
- 36. Japanese period, 1603-1868
- 37. White-tailed eagle

- 38. Shock and \_\_\_
- 39. Understand
- 40. "Green Eggs and Ham" antagonist
- 41. Plaything
- 42. Referendum response
- 43. Black
- 44. Enthusiast
- 45. 1987 Bond film (abbrv.)
- 46. "\_\_\_, it seems that you live in someone else's dream / in a hand-me-down wedding dress" (Death Cab for Cutie)
- 47. 128-character set
- 50. Mauna \_\_\_
- 51. WWII GI Jane
- 52. "\_\_\_ rings like a bell through the night / and wouldn't you love to love her?" (Fleetwood Mac)
- 54. Winterwear
- 57. A bureaucracy (abbrv.)
- 58. Martini garnishes
- 60. "Breathe Me" artist
- 61. Cinnabar and galena
- 62. "I'm not \_\_\_ but I'd never date a white person."
- 63. #4
- 64. Profit - losses
- 65. Satisfy

66. They're watching you...

**DOWN**

- 1. First murder victim
- 2. Enterprise android
- 3. "\_\_\_ has got it goin' on" (Fountains of Wayne) (2 words)
- 4. Commodity
- 5. Like some lingerie
- 6. Pie \_\_\_ mode
- 7. Brimstone
- 8. "Oh \_\_\_ don't you weep, all your kisses still taste sweet / I hate that sadness in your eyes" (The Rolling Stones)
- 9. Lightweight wood
- 10. A castrated bull
- 13. Tight
- 14. Make a mistake
- 15. Gosh
- 20. Skeleton or master
- 22. Reverberations
- 24. "\_\_\_, don't change your number / 867-5309" (Tommy Tutone)
- 26. Gets by
- 27. A Verdi musical about an Ethiopian princess
- 28. Originator of  $A = \sqrt{(s-a)(s-b)(s-c)}$ , where  $s = (a+b+c)/2$  for a triangle
- 29. Stitched
- 31. Hold in Guantanamo Bay
- 32. "\_\_\_, you've got me on my knees" (Derek and the Dominoes)
- 33. "I'm sorry \_\_\_, I am for real" (OutKast)
- 34. Pedal pushers
- 35. An isomer of C10H15N
- 44. Pandas, Puntos, and Sedicis
- 45. BioShock serums
- 46. E.g. 44-down
- 47. Element 18
- 48. Beach
- 49. Their glands are cruelly harvested for musk
- 50. "Well I'm not the world's most masculine man / But I know what I am and I'm glad I'm a man / And so is \_\_\_, la la la la" (The Kinks)
- 51. Fritter away
- 53. Neither here \_\_\_ there
- 54. Nuisance
- 55. Pretensions
- 56. "\_\_\_, you're the poet in my heart / never change, never stop" (Fleetwood Mac)
- 59. By

# Sudoku

**LUCAS HUDSON**  
4A MECHATRONICS

**Easy**

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

**Medium**

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

**Hard**

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

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

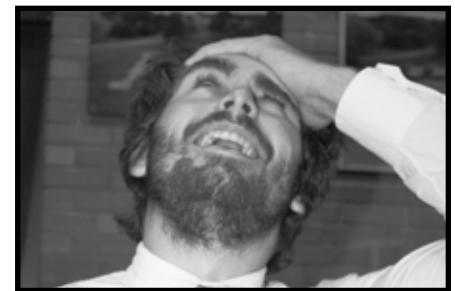
## "What Are You Doing Over the Long Weekend?"



"Going home"  
Herman Grewal, Mechatronics



"Staying home and studying hard for hell week"  
Graham Ellingwood, 1A Geology



"Oh \*\*\*... Oh no."  
Scott Wood, 3B Mechanical



"Visiting my family in Toronto"  
Luke Yang, 4A Computer



"Studying for the midterm"  
Jing Zhao, 4A Math



"Switching into Arts"  
Ethan Alter, 1A Nanotechnology