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DOGECOIN:
IT'S (MOSTLY) NO JOKE

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Fears of Civil War Rise as Ukraine Protests Escalate



Mstyslav Chernov

A protestor in Kiev, Ukraine stands defiantly on a barricade. Protesters are enraged by the increasingly authoritarian President Viktor Yanukovich.

MICHAEL LAANVERE
3B MECHANICAL

Ukraine is currently in the midst of huge civil unrest. Depending on the source one could term it either as just a demonstration or alternatively a complete revolution. A lot of people know that there's protests and riots going on in Ukraine, and most people seem to understand that they are due to the Ukrainian people wanting more European Union (EU) integration. Although that is basically true there's a bit more to it than just that. This article will try to give a bit more background on why the protests started, explain what is currently happening and give a bit of insight on what the future might hold for what is being dubbed "the largest ever pro-European rally in history."

Ever since Ukraine gained its independence from the Soviet Union it has been a divided nation. It is split between Russian speakers in the Eastern half and Ukrainian speakers in the Western half. This split of language also doubles as a split in politics. The Western half is pro-European and the eastern half is pro-Russian. There is a near-even split between the two during Presidential elections where victories are narrowly

won by a few percentage points with the East and West each voting for different candidates.

This divide was emphasized by the 2004 Presidential election which sparked the Orange Revolution. The election was between Pro-European Viktor Yushchenko and Pro-Russian Viktor Yanukovich. The initial results were Yanukovich with 49 per cent and Yushchenko with 46 per cent (The remaining percentage was in "Against Both" and disqualified ballots). Accusations of corruption and electoral fraud caused the start of the Orange Revolution where protests began throughout Ukraine including 500 000 protesters in the capital, Kiev.

A new fair election gave Yanukovich 44 per cent and Yushchenko 52 per cent.

The divide between the two was obvious. Yanukovich was not fluent in Ukrainian, and Yushchenko used an interpreter to speak to Vladimir Putin despite being fully fluent in Russian. Yushchenko began five years of Ukrainianization and pro-European policies.

Yushchenko was president for five years until the 2010 Presidential election where Yanukovich defeated Yulia Tymoshenko 49 per cent to 45 per cent. Yanukovich's reign since then has been plagued with accusations of corruption

and consolidating power within his family. He has been using his position to further his own interests of himself and his family as well as consolidating his power and being accused of using the secret police for his own gains.

The first event that caused unrest during his presidency was the imprisonment of his former opponent Yulia Tymoshenko which many have said was politically motivated. That combined with the accusations of corruption were building pressure and dissent among the people right up until the protests which began November 21, 2013.

It is being called the Euromaidan in Ukraine and it has been going on for months. It began after the Ukrainian government suspended the signing of the association agreement with the EU. This was an agreement that would bring Ukraine into closer integration with the EU but the Yanukovich decided he didn't want to sign at the moment.

It began with a few thousand people, mostly students, protesting at Independence Square in Kiev, but by November 24, 2013 the number swelled from 100 000 to 200 000 in Kiev and many other protests throughout Ukraine.

Numbers in Kiev dropped after November 24 to just thousands until No-

vember 30 when the riot police stormed the square and attacked the protesters. This crackdown caused riots the next day with hundreds of thousands participating. They attacked riot police and occupied the city hall which still remains in their control today.

The next day after the riots peaceful protests continued. Barricades and tents were erected by the protesters in Independence Square as they began settling in for the long haul. December 8, 2013 was the third Sunday in a row of protest and 500 000 people went to a rally in Kiev. During the rally the Kiev statue of Lenin was toppled.

On December 17, 2013 the Ukrainian Government signed a bailout deal with the Russian government. The deal meant Russia would buy \$15 billion of Ukrainian bonds as well as reduce the price of natural gas that Russia supplies. The Ukrainian government said that it was necessary for the economy and that it had no choice since the International Monetary Fund proposal was unreasonable. Two days later President Yanukovich said that he stopped any pursuit of an Association Agreement with the European Union.

Continued at UKRAINE'S on Page 3

How Worry Has Shaped Me

Also, Thanks to a Great Roommate and Notes on the First Issue



SPENSER GOOD
EDITOR-IN-CHIEF

For those of you who take the time to read my editorial, I want to thank you, because I do genuinely put a lot of effort and feeling into these pieces. I committed myself to several topics in the previous issue for the upcoming papers, and although I will try to stick to those as best I can, at times I will have to digress somewhat. Right now I must do this before I tackle an issue I committed to in the previous issue. Firstly I want to comment on the first issue. I believe that it was, for the most part, very successful. I want to thank my staff writers, copy editors and layout editors for helping make it a success. I am beginning to learn that being EIC is never a path one should take alone.

Before I start on to my main topic of the issue I just want to throw in a quick thanks to my roommate, Andrew McMahon. This term we signed a four month sublet with Domus housing, a mistake we plan not to make again. After the first giant snow storm of term, the contractors hired to clear our property did not make much of an effort on our rather large driveway. So for the first three weeks of term I was basically forced into off-roading to get into and out of our driveway, aggressively speeding up to land in a small, partially shovelled patch in front of the garage. Two weekends ago I came back to Waterloo from home to find a completely cleared driveway. Andrew had spent two and a half hours shovelling, an act he claimed that was simply a distraction from studying. When I choose not to study, I watch an episode of *Breaking Bad*; I do not spend two and a half hours shovelling thousands of pounds of snow to clear a driveway. What made this act of generosity all the more impressive, and what is very typical of Andrew, is that he did not mention a word of it until I naively took notice of it a day later. Like always, he expected no credit for his kindness. I am lucky to count Andrew as one of my closest friends, and I hope that these measly 250 words show some appreciation for the countless acts of kindness (all completely platonic, for the record) that he has done for me over our three years at UW. Also, Andrew provides a perfect segue to the main topic of this editorial. If I could borrow one characteristic of my friend it would be some of his laid back demeanour, because, as my friends and family can corroborate (and with great amounts of evidence), I am a victim of a condition that many of us struggle with all the time: worry.

I think that worry is a misunderstood term, or perhaps I just interpret it differently. Many treat it as harmless and typical. To me, worry is much more. It is generally a negative, destructive thing. If uncontrolled, it is overwhelmingly a waste of time and energy that is bad for your mental and physical

state. It acts as both a barrier to success and a reminder of failure. Worry can inhibit performance, destroy relationships, ruin experiences, and tear us down when we feel good. Anybody who knows me well claims that I am a "worry wart," and I think that in the past it has led to some serious self-derision and many missed experiences. I regret this, but as I grow older and learn to deal with my worry more effectively, I also see its values. In the next 1200 words I want to outline how worry has helped me, harmed me, and how you can use worry to your advantage.

Some of my earliest memories are of worry. I remember at four years old, my parents took me to the arena to learn to skate. I think my dad was hoping for the next Wayne Gretzky. What he got instead was a sobbing four year old who was too worried about injury and being judged by others to try something new. Thankfully, he got over it pretty quickly. It took me a lot longer. For many years afterward, extending into my adolescence, I was never comfortable as an athlete. The cause of this was twofold and remained unchanged from my four year old self; I was worried about hurting myself, and I was worried that others would think less of me because I was not a natural. This led to me never really participating in much competitive sport and to one of my greatest regrets: in Grade 9 I made the high school basketball team but chose not to play. At the time I thought very little of the decision. Only recently have I realized that if I had just relaxed and not worried so much about other's opinions, I would not have missed out on an experience that could have been very formative and a real confidence builder.

Conversely I want to share an experience that had the opposite effect. In both Grade 11 and Grade 12 I ran the Mississauga Half Marathon with my dad and with a high school friend. I have to admit, my training regime was hardly rigorous. I still ran three or four times a week, but at distances nowhere close to 21 kilometres. I remember being sick with worry the evening before the first event. However, I got up the next day and did it. I was sore for days afterwards and did not put up the fastest time, but I proved to myself that I could do something that I didn't know I could do the day before. Above this, I conquered worry. To this day those running events are something I put on my resume and remain a source of pride for myself. I often use this memory to remind myself that sometimes worry is a sign that you are about to achieve something of great importance.

I can hardly say that these events led to some sort of epiphany, however. It is only very recently that I find I am able to control my worry somewhat and instead make it a useful tool in my life. After some personal growth, I have realized that much of my worrying stems from a specific incident just after I had turned 16.

On a cold, mid-autumn day my dad asked me if I wanted to accompany him for a long

bike ride. After some persistence I agreed to accompany him. We were about ninety per cent done our bike ride, which I was grudgingly enjoying when we came up to a small hill and I passed my dad. Surprised, I looked back and saw that he had been forced to dismount and was sitting on the ground in discomfort. He complained of a tight chest and shortness of breath. Foolishly, I biked home and got my mom (it was less than a five minute bike ride). She came and we decided we should call the ambulance. Paramedics evaluated and decided that it was our decision whether he should go to the hospital or not. It was this moment that I made a decision that was stimulated by worry, and one that I will never forget. Despite some protest, I said he should go to the hospital. He was evaluated and it turned out he had had suffered a heart attack and had several severe blockages in the arteries near his heart. What followed was a triple bypass surgery and a very successful recovery. The night that my dad had his heart attack he was supposed to board a plane to Brazil for business. We can only speculate what could have happened if he had had a heart attack in the air, or in the worst case scenario, while jogging in Rio de Janeiro. Just like my decision in Grade 9 to not play basketball, I did not think much of the decision at the time. It was only later when someone I respected very much made me realize that my worrying had possibly saved my dad's life.

The time following my dad's incident was a difficult one for me. I think that in basic terms, the incident with my father confirmed that sometimes the worst thing you can think of does happen. For years my worry existed, but finally it had been right. Never before had the worst thing I imagined actually occurred. After this incident, I found myself expecting the worst outcome, from exams to sickness to many of life's everyday problems.

I remember a time not too long after my dad's surgery, one of his first times out skiing since his recovery. I was concerned about something and he was reassuring me, until he finally looked at me and basically told me that I shouldn't worry because life was great, and he was happy to be alive and out skiing. The point was that day nobody was having a heart attack, there was nothing of consequence to be concerned about. Unfortunately I have never had much of a filter of what has consequence and what doesn't. Only very recently and for reasons I am not really sure of, I have come to understand when worry is useful and when it isn't. If you find yourself worrying about something, ask yourself, is my concern helping this situation? If it isn't, move forward and stop wasting the time of yourselves and others. If it is, deal with it. Life is often simpler than we think, as my dad pointed out to me on that wonderful winter day. It's also awesome. Don't let worry ruin it. I will leave you with that. HOLD FAST fellow engineers, and worry only when it matters.

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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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China Fears Flu Pandemic as Billions Travel for New Year



ALEXANDER LEE
2N NANOTECHNOLOGY

Last weekend was the Chinese Lunar New Year. If you're Chinese, you probably went home to visit your family and celebrate. If you're not, you probably have many Chinese friends who did just that. The same story repeats around the world as people travel to be reunited with their families as they prepare to celebrate the Year of the Horse. As you might expect, this occurs in especially large numbers in China, which obviously has the largest Chinese population in the world. Many Chinese live far from their home villages, as most of China's jobs and wealth are found in the big cities. Almost all of these former rural dwellers will return to their home village for Chinese

New Year. However, this year, celebrations may be marred by a familiar menace.

H7N9 is the latest strain of avian bird flu to raise alarm in China and the world over. Four years ago, its cousin, H5N1 caused mass panic as millions of chickens were culled in the East and hundreds of people fell fatally ill with this foreign and deadly virus. As the virus developed in birds, the human immune system has no idea how to deal with it, and it can offer no protection, which is what makes the virus so deadly. Fortunately, the true doomsday scenario of H5N1 developing into a form that allows human to human transmission, did not come to pass, and humanity was able to dodge a pandemic that could have possibly killed more people than any disease since the Spanish Flu in World War I. However, last year, this new strain, H7N9, has started to appear in humans, raising the world's fears once again.

This strain has only shown signs of the traditional bird to human transmission so far, and no signs of sustained human to human transmission. However, it may not need to be able to travel between humans for it to pose a threat. Chicken is a traditional meal prepared by the majority of families on Chinese New Year. Naturally, many people bring live chickens home to their families to prepare for the traditional feast. These chickens may or not be infected with influenza, and as millions, if not billions, of chickens are carried across the country, these birds serve as carriers, not only infecting the humans they come in contact with, but also possibly exposing even more bird populations to H7N9, which will then affect even more human populations, possibly resulting in an uncontrollable pandemic.

Chinese authorities have been taking measures to prevent this from happening, declaring a ban on live poultry sales. Hong

Kong has banned live poultry sales for the coming three weeks, and has recently culled over twenty thousand chickens to protect the population. However, these measures may not be enough, as the ban may be difficult to enforce in a country as large as China, and the damage may have already been done. In addition, the Lunar New Year season is one of the busiest times for poultry vendors, and they may cut some corners or skirt some regulations to ensure that their business is not hurt.

As H7N9 has not shown any signs of inter-human transmission yet, and outbreaks remain relatively isolated incidents, it is possible that, like H5N1 before it, the pandemic may never come to pass. However, when dealing with millions of potential cases, one can never be too cautious, and the world watches this New Year with concern as it may turn out to not be so celebratory after all.

Feds Bus Pass Referendum Ukraine's Future Uncertain



JOSHUA KALPIN
3A SOFTWARE

On January 20, 2013, Feds gave Notice of Referendum with the following question: "Do you support continued participation in the Grand River Transit Universal Bus Pass Program for a termly fee of \$77.29 (currently \$72.23) per full-time undergraduate student?" Justification was given to call the referendum on the basis that the price of the UPass has nearly doubled since its inception in 2008. When the program was first started, students were charged \$42.50 to have the benefit of using their Watcard as a bus pass. This equates to an approximately 50 per cent increase on the original price.

The UPass program, which over 42 000 students at both Waterloo and Laurier participate in, allows for any student to ride the GRT at no additional cost. The aforementioned fee is incorporated into the FedS fee that appears each term on a student's tuition. Additionally, the pass is valid for use during the subsequent co-op term with no additional fee.

Without the UPass it would cost the average university student approximately 240 dollars to ride the GRT for an entire term. This cost increases even more if a student

chooses to work in the Grand River region for their co-op term. This cost would be comparable to what a student at the University of Toronto (\$108/month) would pay.

There could be additional ramifications for students on top of the increased cost of riding the GRT if the UPass program was cancelled. Potentially, more students could decide to drive to school, causing the parking lots around campus to become a lot busier. This could also lead to an increase in parking costs for those students who do drive to school, or a need to increase parking across campus. Furthermore, even though the number of students with cars is fairly small, having more drivers would be worse for the environment.

On the other side of the argument, students who currently drive or walk to school may find the UPass fee unnecessary, even with the tax credit that students can receive from it. Additionally, students that don't use the GRT frequently could find themselves in a situation where the UPass would be more expensive for them over the course of the term.

Regardless of what decision students come to, it is important for students to be aware and involved in the vote. The vote itself will occur between February 11 and 13, at the same time as the FedS election. Consider both sides of the argument and the consequences that each side could have and make an informed vote.

Continued from UKRAINE on Page 1

The civil unrest has been going on steadily since then. Independence square has been compared to a warzone. There are barricades and walls of burning tires. Tents and other temporary shelters are erected. Throughout the week there are a few thousand people manning their posts. On the weekends, when people are off work, the numbers surge to the hundred thousands.

Men patrol the barricades, old granies prepare food, and women prepare molotovs. There are occasional clashes with the police, as well as the occasional storming and capture of public buildings in the city.


There have been accusations that pro-government groups have been attacking protesters. Demonstrators are afraid to go to hospitals because pro-government groups have been kidnapping injured protesters and assaulting them. One activist was found on January 31 having been kidnapped on January 22, beaten, and crucified.

Anti-protest laws were passed by Yanukovich on January 16. These were dubbed "dictator laws" and drew criticism from the West and East Ukraine as well as the rest of the world. They curbed free speech and protest but they were re-

pealed on January 28.

January 28 also saw the resignation of the Prime Minister of Ukraine and the dismissing of the cabinet. Though this gesture probably would have caused cheers weeks ago, now it is met without much excitement. Not even the amnesty agreement law has satisfied them. Likely, the only thing that will see them leave is if President Yanukovich resigns and a new election is held. Yanukovich probably won't agree to that because he'll likely be prosecuted and thrown in jail, which is what the former Prime Minister realised when he resigned and fled to Austria saying he has no plans to go back.

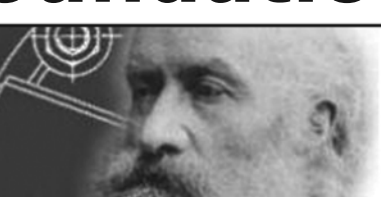
Despite the civil unrest, Kiev manages to carry on its day-to-day business. People still work, shops are still open. Independence Square is the only part of the city not operating as usual. But with an ex-President saying that Ukraine is on the brink of "a civil war," will that still hold true? Every day the protesters grow less and less likely to accept concessions made by Yanukovich. His only two options are to step down or crack down. One might lead to greater EU integration and the other to a Russian influenced dictatorship similar to that in Belarus. The coming weeks will likely show a big shift in the political landscape in Eastern Europe.



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The John Fisher and Roy Duxbury Awards consist of a Certificate plus a citation and an honorarium of \$2,000. The awards have been named in recognition of the outstanding contributions made toward SFF by its former Chairs, Dr. John Fisher & Dr. Roy Duxbury.

Nominations Must be Submitted to SFF Office Manager by April 1, 2014

E2-3336, Extension 84008, sff@engmail.uwaterlo.ca
www.eng.uwaterloo.ca/~sff

Let's Get Connected



LEILA MEEMA-COLEMAN
VP EXTERNAL

Hello again lovely engineering students! The theme of my article today will be about getting you connected to all the amazing engineering opportunities across Canada.

Starting with the Ontario Centre for Engineering and Public Policy Student Essay Competition! They are encouraging students to take an interest in public policy by researching one of their five topics and write a 3000-5000 word essay for a chance to win \$1000! If you have an interest in engineering and policy issues then I encourage you to check out bit.ly/OCEPPessay for all the details on how to enter. The deadline for essays is March 3. I know what I'm doing this reading week!

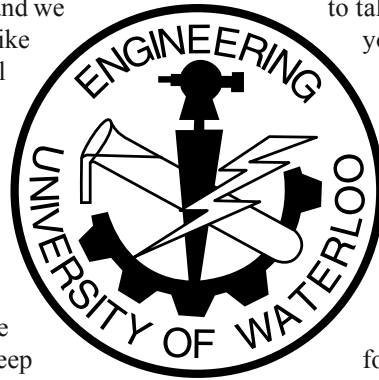
Applications are open for CFES commissioner positions! The CFES is the Canadian Federation of Engineering students and they act as the governing body for all of the engineering students in Canada working to represent them at the national level and facilitate conversations. There are eight commissioner level positions available and the deadline to apply is February 13! Check out the positions on their

website cfes.ca and apply at bit.ly/cfesapps if you are interested in taking on a new and exciting leadership role!

Last but not least, March is National Engineering Month! That means we have a whole month to promote how amazing being an engineer is and create awareness on the importance of the profession. This year we are again participating in a provincial Rube Goldberg machine with the Engineering Student Societies Council of Ontario. We will be partnering with local elementary schools to build the best Rube Goldberg machine and we need help! If you would like to volunteer please e-mail rubegoldberg@engsoc.uwaterloo.ca to find out how!

We will also be participating in a Canada-wide engineering promotional video through the CFES for NEM for the first time this year so keep your ears peeled for more information!

And with that I'm done for this week but if you have any questions about anything in this article or would just like to chat (I really like making new friends!) come stop by the orifice or e-mail me at vpexternal.a@engsoc.uwaterloo.ca.



Don't Forget To De-Stress!



**ANNAMARIA REDA
BRENDAN O'HANLON**
VPS INTERNAL

I can't believe that the first month of the term is already over!! It feels like just yesterday we started a new term. I'm sure by now most of you are swamped with assignment, labs, and upcoming exams. However, although school may feel extremely overwhelming, don't forget to take breaks, and take care of yourself during this stressful time. It's extremely important during exams to take some time to de-stress as much as possible.

They say that one of the best ways to study is to concentrate on what you are doing for 45 minutes to an hour and then take a 15-20 minute break. Like our bodies, our brain will become tired if we exert it to its full potential for a long period of time without giving it some time to rest! So watch a short TV show, read your favourite book, or just close your eyes for 20 minutes every now and then before getting back

to the books!

Some other helpful and short relaxing activities may include listening to music, taking a walk, eating a healthy, delicious snack, chewing some gum, and enjoying a small treat. There is a lot of de-stressing advice available to us online, so don't forget to use it.

PUPPIES!! Did that get your attention? As part of our Mental Health Awareness services, EngSoc will be bringing cute fluffy puppies and/or dogs to POETS on February 11 at 11:00 am. These dogs are in training by volunteers of National Service Dogs, and will be here to make you smile and forget about exams for a little bit.

For those of you with midterms before reading week, good luck and enjoy your time off. For the rest of you with midterms after the break, take the extra time to prepare yourself but don't forget to enjoy the class-free week as well! When you come back to school EngSoc will be running a whole bunch of awesome events and services which provide a great break from school work, and are an awesome way to meet new people!

As always, I'm always around if you want to talk, or are looking to get involved. Come find me in the orifice, or send me an e-mail at vpinternal.a@engsoc.uwaterloo.ca.

Aunty's Governance



DAVID BIRNBAUM
PRESIDENT

Hello wonderful plummers!

I hope you have been having a good term thus far. This article will be a quick one.

First, I know a lot of you are already using the Engineering Society's amazing Student Deals Program, but did you know we have added TWO NEW RESTAURANTS since launch! That's right, we

have recently added Debrodnik's Italian restaurant (located at King and University, behind Phil's) as well as Aunty's Kitchen (located in the Plaza.)

For those of you that don't know the program, it is a free program for most engineering undergraduate students that enables them to get discounts at local restaurants. All you need to do is stop by the EngSoc Office (CPH 1327) and ask for a student deals sticker. You then take that sticker to the restaurants and receive these awesome deals (for full details and terms please go to the website):

Molly Blooms Irish Pub: 15 per cent off
Vegetarian and Fast Food Restaurant: 10 per cent off

Sweet Dreams Tea Shop: 10 per cent off
Kickoff Sports Bar – Free waffle fries with two pitchers

And recently added:
Debrodnik's Italian Bakery: 20 per cent off
Aunty's Kitchen: 10 per cent off



We are looking to expand this program to even more restaurants this term, so be sure to keep an eye out!

On the governance front, EngSoc re-

cently created a Governance Review Committee. The committee is tasked with investigating the possibility of EngSoc incorporating, adopting a Board of Directors, and adopting General meetings. We have had our first meeting and have set forward a plan to do a thorough look into all of these options, with our recommendations coming forward at the Society's Joint Council in June.

If you have any input into the student deals program or governance review, or any other questions, feel free to email me at president.a@engsoc.uwaterloo.ca.

Upcoming Events Calendar

Wednesday February 5	Thursday February 6	Friday February 7	Saturday February 8	Sunday February 9	Monday February 10	Tuesday February 11	Check out up-to-the-day event postings on the EngSoc website at engsoc.uwaterloo.ca
EngSoc Meeting 17:30, CPH 3607 Colouring Contest Submission 20:00	Running Club 18:00, CPH Foyer	First Year Integration Conference Carelton University GradComm Event #3	First Year Integration Conference Carelton University IRC/IRS	First Year Integration Conference Carelton University	Exec Nominations Global Cafes 11:30 - 13:30, POETS	Exec Nominations Iron Warrior Meeting 17:30, E2 2347 MHA - Puppies 11:00 - 13:00 Running Club 18:00 - 19:00, CPH Foyer	
Wednesday February 12	Thursday February 13	Friday February 14	Saturday February 15	Sunday February 16	Monday February 17	Tuesday February 18	
Exec Nominations Romantic Pictures with the Tool 11:30 - 13:30	Exec Nominations 2018 Rockband Wars! 11:30 - 13:30 Running Club 18:00, CPH Foyer	Exec Nominations 2016 Loves Ice Cream! 11:30 - 13:00 CPH Foyer Candidates Meeting 16:30 - 17:30, EngSoc Office Winter Photography Submission Dealine 20:00	Study Time	Study Time	READING WEEK Family Day	READING WEEK	
Wednesday February 19	Thursday February 20	Friday February 21	Saturday February 22	Sunday February 23	Monday February 24	Tuesday February 26	 
READING WEEK	READING WEEK	READING WEEK		Rube Goldberg Machine - First Build Day 15:00 - 20:00	Global Cafes 11:30 - 13:30, POETS	Rube Goldberg Machine - Second Build Day 18:00 - 22:00 Iron Warrior Meeting 17:30, E2 2347 Running Club 18:00, CPH Foyer GLOW Board Game Night 19:00	

Infosilem—New Class Scheduling Software



DREW DUTTON
VP EDUCATION

Hello A-Society! Hard to believe we're a third of the way through courses already! Bearing that in mind, midterms are fast approaching. Be sure to fit in some review time each night, and (try to) get plenty of sleep!

As I hope you are all aware, the University of Waterloo's Scheduling, Timetabling, and Examination Project has been working towards implementing a new course scheduling software. The scheduling software, Infosilem, is slated for implementation this Spring 2014. The objectives of the new system are to create conflict-free schedules for students, and to maximize space utilization on campus.

Where the current scheduling process is

completed entirely by hand, the new system will be an automated process that populates schedules according to input constraints. Constraints will include items such as travel time from classroom to classroom, class size, consecutive hours in class, and total daily hours in class, among others. While the software will be run through the Scheduling Office, it is important to know that each Department will continue to dictate their faculty teaching responsibilities as per current approval processes. While all of the teaching space on campus will be centralized, lecture halls will be organized into "pavilions" according to Department. Students from each Department will be given first priority for the teaching spaces within their respective Departments.

The new software will likely have little impact on the core schedule of engineering undergraduates. It is important to remember that the Faculty of Engineering is unique in that its

numerous Departments offer only co-op mandatory programs. Our students are grouped into cohorts that study multiple degree required courses together each term. Given the fact that it is generally accepted that faculty be available to teach between 8:30 a.m. and 5:30 p.m., Monday through Friday, engineering schedules will likely see little change from how they are currently scheduled. During the third schedule simulation using the Infosilem software (which used the Fall 2013 existing schedule as the inputs for a mock course selection), engineering student schedules saw an increase in: average elapsed time on campus from 9.2 to 9.4 hours, average maximum lecture hours from 7.5 to 7.6, and average consecutive lecture hours from 4.7 to 5.9. While at first these numbers may appear daunting, please note that this was the result of a completely automated schedule simulation; Engineering Departments will be in contact with the Scheduling Office

to make manual tweaks to fit each Department's needs. Lastly, a number of constraints were still not accurately defined during the simulation. I am very confident that we will see improvement.

The other significant improvement that the Infosilem software will boast is consideration of student interest in courses through Course Selection Week. Believe it or not, our current system (Pre-Enrollment) does not consider student demand in dictating whether or not a course will run! This new system will take into account student interest in courses, and allocate a course in the calendar accordingly; thereby increasing the chance you will study an elective you want to study.

I hope that you have a clearer picture of how scheduling will occur at Waterloo moving forward. If you have any questions please don't hesitate to stop by the EngSoc office and I will do my best to answer them. Study hard!

Cheers to ECIF, Onesies and Old Style Pilsner Glasses!



KEVIN MCNAMARA
VP FINANCE

Hey there A-Soc, hope January went great for you! It's hard to believe that the month is over and we are on to February already. Here's a quick update on where things are going on the finances front!

Novelties is off to a great start this term, and we are looking at getting some new cool items in. Keep an eye out for the old pilsner style pint glasses that Novelties used to carry, and some extra sizes in the new EngSoc logo t-shirt! Coverall

Days were a great success and a total of 26 pairs were sold, so thanks to everyone who came out! I will be emailing everyone who ordered a pair once they come in. If you missed out on this term, don't worry, coveralls will be sold again in the Fall! Be sure to check out all of the sweet patches available in Novelties. As well, there will be a Fire Sale taking place during the week after reading week, so be sure to stop by CPH Foyer and Novelties to get some sweet deals on swag!

Do you like sleeping? Do you like sleeping in pajamas? Do you like sleeping in pajamas that are one? Do you like onesies?! Do you like feetie pajamas? We probably can't help you with that. However, we can

help you with a lot of these things, because ONESIE DAY is coming! We are currently in the process of designing the styles, and will have more information on cost closer to the date. Keep a watch on the EngSoc calendar and mailing list for all the details!

Engineering Capital Improvements Fund (ECIF): The ECIF committee will be meeting on February 25. The goal of ECIF is to make purchases that improve student experiences around Engineering such as POETS and the CPH Foyer. Each term, five per cent of your EngSoc student fee goes towards ECIF's funds, which is allocated by the committee. We are currently in the process of upgrading POETS and purchasing a new projector. If you have

any capital purchase ideas let me know or fill out the form on the EngSoc website (engsoc.uwaterloo.ca/ecif).

The Sponsorship Committee for the term was elected this past Wednesday at the EngSoc Council Meeting. I will be contacting student teams and clubs, and putting out the call for Sponsorship Proposals within the next week with all of the details on how to apply. If you have any questions about how this fund works, please contact me.

That's about it for this issue! If you have any finance questions related to the Engineering Society don't hesitate to talk to me in the EngSoc Office (CPH 1327), or send an email to vpfinance.a@engsoc.uwaterloo.ca



Lucas Hudson

Upper year students impart interview tips and tricks to first year students during the Interview Skills Workshop held on January, 28.

WEEF WINTER 2014 PROPOSALS ARE OPEN!



Are you a student, faculty or team looking to improve UW Undergraduate Engineering?

Submit a proposal and make a change!

weef.uwaterloo.ca/newProposal.php

Proposals due February 14, 11:59pm

Council Meetings: March 3, 4, 6

weef.uwaterloo.ca

So Where Have All The Honey Bees Gone?

The Causes of a Rapid Bee Decline in the West Remains a Mystery to Scientists



ALLEN CHEN
1B CIVIL

Oftentimes we overlook the scenario of an insect species going extinct. After all, there are so many of them. It would be impossible for them to completely disappear so quickly, right? Well, if we consider the western honey bees of North America, we may need to think again. Colony Collapse Disorder (CCD) is a peculiar phenomenon that has been occurring in the past decade, which describes the strange sudden disappearances of entire bee colonies in Europe and North America. If this continues at the current rate, the western honey bees may not be around for as long as we may assume.

So how does this affect us? In recent years, CCD has become a major issue in the agricultural industry as well as an environmental problem. This in turn has had significant impact on the economy. Honey bees are a very important part of the ecosystem in North America. Aside from producing the honey that we all enjoy, honey bees are absolutely vital to the pollination of a vast array of crop plants. Honey bees pollinate essentially every commonly known agricultural crop grown in the Western Hemisphere, aside from a select few such as wheat. In Ontario, beekeepers have lost between 70 and 90 per cent of their hives due to CCD. Over the past six years, approximately ten million beehives have been wiped out in Europe and North America. These beehives had an economic worth of two billion dollars. The estimated worth of global crops pollinated by honey bees in 2005, before CCD became a serious issue, was about \$200 billion. As bee colonies continue to disappear, the cost of crops will likely increase as supply and demand lead to an increase in cost of pollination services from beekeepers.

The causes of CCD have been uncertain. Even today, scientists are still unsure as to what exactly has been causing entire bee colonies to suddenly die out all at once. One suspect has been the high usage of neonicotinoid in many agricultural crops, which the bees can consume through the nectar. Farmers have expressed the importance of the chemical for their crop yields. Neonicotinoid is a class of insecticide which is used to protect the seeds of corn, a crop that honey bees visit often. This has been a known problem in Ontario. Of the various suspected pesticides,

fungicides, and insecticides, neonicotinoid is by far the most significant. As of 2013, neonicotinoids that have been suspected of killing honey bees have been banned in the European Union. In the United States, neonicotinoids have not been banned despite the expressed concerns of professional beekeepers and environmentalists. Instead, the cause of CCD has been speculated to be the Varroa mite. In Canada a similar view is shared, as the government has stated that they “do not feel a suspension [of neonicotinoids] is warranted at this time.” This year, the use of such pesticides are expected to increase in popularity.

Varroa mites are another suspected cause of CCD. The Varroa mites are a parasite that have been known to carry pathogens and contagious diseases, such as the deformed wing and acute bee paralysis viruses, when attaching to honey bees. An overall affliction with Varroa mites has tended to weaken a honey bee’s immune system, which in turn has led to fewer bee colonies surviving the winter, according to a study done at the University of Guelph. 85 per cent of the dead

colonies studied had Varroa mites. In 2012, a third of honey bee colonies died over the winter in the United States, and this trend has continued.

The most recent research of this month has in fact suggested that a virus may be the primary cause of mass honey bee deaths in the West. A virus called tobacco ringspot virus, transmitted through pollen, has been listed as a potential cause by scientists due to a correlation between infection from the virus and the peaks in bee deaths in the winter. Similar to the acute paralysis virus, the tobacco ringspot virus targets the nervous system. Overall the problem with viruses has been that they are so easily transmitted due to commercial bee colonies being transported across the continent continuously.

Another recent study has suggested that the prolonged exposure to synthetic chemicals has negatively affected the biological functions of honey bees. Chemical signals between the bees and their queen have been misconfigured such that many become sterile. Oftentimes the bees cannot lay any eggs.

Of course, Varroa mites are not the only

parasite significantly harming western honey bees in North America. Although not as significant as a concern in terms of CCD currently, “zombie” flies have been another problem that has emerged recently from the western United States. *Apocephalus borealis* is a parasitical fly that has been reported to take honey bees as a host, causing the bees to be disoriented, irrational, and overall mindless in behavior which gives them the nickname of zombie bees. Zombie bees have been seen in the north-east United States in the recent months. Whether this means that Ontario may see them later this year is yet to be determined.

In summary, this situation with Colony Collapse Disorder has become very problematic. The implications of this will affect more than just bees and humans. Entire ecosystems might simply die out without the presence of honey bees. Will 2014 be the year when the bees finally start to return? Or will this trend continue indefinitely until there are no bees left? As of now, it seems nothing much will change, but with eleven months left in the year, anything is possible.



Swindejr

Although bees can be a nuisance, a world without them could be much more dysfunctional

All About International Exchange

Do Not Let Yourself Miss Out on an Opportunity That Could Change Your Life

PETER ROE

DIRECTOR OF ENGINEERING
EXCHANGE PROGRAMS

If you are in 1B this term, it’s not too early to start thinking about going on exchange to a foreign country for one or two terms in third year. And if you’re in 2A, it’s time to start thinking seriously about exchange in 3A in the Fall or Winter of 2015.

We have new exchange application procedures in Waterloo International and the Faculty Exchange Office. You will have a wider choice among the 80 or so exchange programs available to Waterloo engineers around the world, but with that extra choice come more responsibilities for you.

Engineering will approve you for exchange, but the final selection of students for each partner institution will be made by Waterloo International. We

will do what we can to help you finish your degree program on time, with your classmates. The Faculty and your Department will provide provisional approval for the courses you expect to take at your first choice destination exchange partner. But you will be able to indicate a second and third choice for possible exchange universities for the same term. (Of course you can only attend one of them.) The course selection at your second and third choice schools will be up to you.

In the old days, we would use a first come first serve method to reserve you a place on the list for a given university. However, this has the potential to leave places empty because some students on the list had to withdraw for academic or personal reasons. So now, we will accept applications regardless of number right up to the deadline date. They’ll get sorted out by Waterloo International on a merit

basis.

Bear in mind that to qualify for exchange, you need to have an average of better than 70 per cent for the three terms prior to departure, or to be in the upper half of your class; if you only marginally make this level and you apply for our most popular destinations, you may find yourself offered exchange only at your second or third choice. So choose carefully. Cindy, in the Engineering Exchange Office, will keep track of numbers of first-choice applicants to each destination, and will be able to advise you when there are likely to be more applicants than places available at a particular university.

It’s not a part of the mandate of Waterloo International (in Needles Hall) to help you select your program of courses on exchange; in the final analysis, it’s up to you. However, your home department pre-approves one (and only one) set of courses as part of your application.

But we cannot do this for all three of your possible destinations in advance! Nonetheless, your home department can give further advice, and we do keep records, on the Engineering Exchange web page, of course packages that were taken by previous students; these can be helpful when you are making your selections. However, there are constraints due to CEAB requirements (especially with respect to Engineering Design content), so continuation to graduation with your class cannot be guaranteed. General advice is to include as many tech electives and CSE’s as possible.

Exchange is a tremendous opportunity. Don’t miss out. The application process may seem long, but we are here to help. The forms are available on line; just visit the Engineering Exchange Web page. Visit the Faculty Exchange Office to let us know where and when you want to go on Exchange.

Point Vs. Counterpoint

McMaster's Suspension of Redsuits Group was Unjustified

POINT 

MICHAEL LAANVERE
3B MECHANICAL

In late January, McMaster University suspended an engineering student group called the Redsuits. This was due to the discovery of a songbook labelled “Engineer Cheers” that contained songs found to contain “sexist, violent and degrading material.”

The Redsuits are like a spirit group for McMaster Engineering and promote pride and spirit for engineering at the school and in the community. The volunteers are also the leaders for Welcome Week (their Frosh Week), and as such, the Engineering Welcome Week in September has effectively been suspended as well.

The suspension of the Redsuits has not resulted in any student suspensions so far, and an investigation to be conducted by an external agency is being launched.

The songs weren't written, distributed, or actively chanted by the Redsuits. In fact, apparently only a minority of them even knew about its existence. So is it fair that the university shut down an organisation that not only partakes in numerous charitable events, but also runs the orientation for all engineering first-years, all because a small group of students had a book with songs written in it that were created decades ago? I would say no, and not only is it unfair, but it is also arguably a violation of free speech which, by the way, is coming from a university-- which are supposed to be environments of expression and ideas where people can discuss things objectively.

The book contains almost 30 songs. Most of which aren't really that offensive. There are a couple that are rather explicit, a little dirty and just plain gross (“Bestiality's Best” comes to mind) but for the most part not suspension worthy. The most contentious song in the book contained it's own disclaimer and was called “The S&M Man.” I won't repeat any of the lyrics but the disclaimer read: “there is no good place to sing this. People will be offended. The content of the next page includes: bloody rape, murderous incest, child mutilation, and fetal ingestion at the very least, proceed with caution.” That, unfortunately, is an accurate description. I'm willing to bet that if the book didn't contain that one song, that the suspension would never have occurred.

You're probably thinking that I'm not really helping my argument by outlining the vulgarity of the book but it's the truth. However just because there's a book with a bunch of vulgar songs doesn't mean that an organisation, as well as frosh week that they run, should be cancelled.

First off, no one in the Redsuits created any of those songs. The book was compiled years ago by what appears to be engineers in the Class of 2010. Most of the songs are old songs that have been sung by engineers and other groups for decades. “The S&M Man,” for example, is a song that likely started in the 80s and is regularly sung by rugby clubs, frat houses, and the military. So what's wrong with a book floating around that contains bawdy songs? They're just songs, and it is just a book. Sure they are graphic in nature, but no one who sings them actually means that they're going to do the actions described. The songs are mostly meant to shock and provoke others, like most bawdy songs and limericks do. McMaster has no right to suspend a group just because some words in a book are distasteful to some. Well, they basically have the right to suspend any group they want for any reason; so I guess it would be better

to say it wasn't the right thing to do.

The main issue with McMaster's decision is that it clearly violates freedom of speech. As mentioned before, places of higher learning are meant to promote the free discussion of all ideas and thoughts and not punish those just because their expressions are thought to be repugnant. In punishing the Redsuits, McMaster is in direct contradiction with a statement concerning freedom of speech made by their own Senate. They stated: “McMaster University is dedicated to the pursuit and dissemination of knowledge...Behaviour which obstructs free and full discussion, not only of ideas which are safe and accepted but of those which may be unpopular or even abhorrent, vitally threatens the integrity of the University, and cannot be tolerated.” Consider your integrity threatened McMaster, you specifically said obstruction of ideas considered unpopular or abhorrent cannot be tolerated but that is exactly what you are doing!

Early in 2013, McMaster was again preaching free speech when one of the librarians was being sued for a blog post he posted in 2010. In a statement McMaster said “McMaster University affirms the right of the academic community to engage in full and unrestricted consideration of any opinion...the university strongly supports the exercise of free speech as a critical social good.” McMaster even was a co-defendant because of their “respect for individual freedom of speech,” yet their current actions seem to suggest quite the opposite: McMaster only respects free speech when it is in their interest to.

McMaster seems to talk a lot about promoting free speech but their recent actions seem to speak otherwise. If the university is saying that they have a policy of freedom of speech then they should uphold it. Freedom of speech isn't something that can be followed only when it's convenient. It should be followed all the time. The solution to speech that is seen by some as morally wrong is not to silence it. Instead there should be more speech, not less. Counter “bad” speech with “good” speech. Academic institutions are meant to be places of open discussion, so why not have a discussion about the book? It's clear that the current Redsuits didn't write the songs and they don't condone the actions described in them. The book is just a compilation of songs that an apparent minority of them had floating around.

Overall what McMaster did in suspending the Redsuits was wrong. Not only is it not fair to suspend the entire group because of a book that only a minority of people knew about, it's also not fair to the new engineering students who's frosh week is effectively ruined this fall. That unfairness, though, isn't the main reason that McMaster did the wrong thing. The biggest reason is that an institute of higher learning clearly violated freedom of speech. And not only did it violate freedom of speech outlined in the Canadian Charter of Rights and Freedoms, but it also violated it's own policies on freedom of speech. On top of that, McMaster also completely contradicted its actions in the past when it went to court to protect the freedom of speech of its own employees. Last year, the Justice Centre for Constitutional Reforms gave McMaster's freedom of speech a grade of “D” in terms of actions by it's administration. McMaster's integrity and reputation as a university which promotes free speech is not looking good at the moment and the suspension of the Redsuits is only hindering them further.

MEAGAN CARDNO
2N NANOTECHNOLOGY

McMaster University was completely justified in suspending the McMaster Redsuits for their promotion of an outrageous songbook called “Engineering Cheers,” which is full of sexist, violent and misogynistic material that would be deemed unacceptable 50 years ago, and in today's world is despicable. The Redsuits are a spirit group that are a part of the McMaster Engineering Society that run the Orientation Week but are also part of their Engineering Society. Their suspension should not be up for debate.

Take a single look at the compilation of “hilarious” chants and songs compiled by the McMaster engineers, and the judgment to suspend the McMaster Redsuits should seem completely necessary. Nothing about the existence of this book is—or should be—excusable. These are not behaviours that we should condone. This is not something that we turn a blind eye to anymore.

Sexual violence and child abuse are not, and never have been, things to joke about. Misogynist or anti-Semitic jokes are not amusing. The sort of humour that is preserved in this book of “Engineering Cheers” is some of the poorest in taste to have ever emerged. It is hardly the first humour of its kind to appear, and even more heartbreaking is the fact that it does not seem to be an out-dated trend either—just last fall, there were the infamous news reports of events held at Saint Mary's University and UBC featuring chants of similar sexist tones, highlights including the advocacy of underage and non-consensual sex.

We live in a society now where many different forms of media—including internet content, television series and high-budget films—continue this upsetting trend of using inappropriate humour similar to the jokes featured in McMaster's songbook. People are readily offended and hurt by such jokes, only to be scorned and told to: “lighten up; it's only a joke!” The year is 2014, and there are members of our society who, somehow, still find rape and molestation amusing topics. Folks might be hesitant to admit such views verbally, especially when one uses the proper terms rather than insinuations and euphemisms, yet they continue to thrive in media all the same. The fact that people even find the existence of such jokes to be tolerable—let alone slightly amusing—says much about the state of our society.

Perhaps the worst part about this book is the fact that it is clearly labeled as a songbook intended for “engineers.” It's not labelled for crude-minded university students, or for those who cannot make a joke without referencing some sort of sexual act, but engineering students. What sort of image is presented of engineers if their idea of a “good time” is nothing but several incarnations of jokes referencing non-consensual sex to be chanted whilst in a drunken stupor?

Many voices have arisen after the news of the suspension of McMaster's Redsuits, some of which call attention to the fact that the group has done a plethora of great deeds in the past, including running local events, holding fundraisers, and supporting deserving charities around the world. This in no way, though, excuses the existence of the songbook and the content it contains. If anything, it should only shame the society more—those that so readily lend time and money to those less fortunate should be above the telling of jokes

COUNTERPOINT 

that feed off of harmful stereotypes and exploit serious acts that should never be taken lightly.

Like many others in the Faculty of Engineering, I think rather highly of the profession and look up to those who succeed in the field, and contribute in such positive ways to society. As such, engineers should also hold themselves to a higher standard than the views so blatantly portrayed in this book. The service we give to society does not negate harmful attitudes to other people. The good deeds that we do in no way lessen the severity of terrible actions committed elsewhere.

It does not matter whether or not the book was “endorsed” by the Redsuits; acts of bigotry are never endorsed publicly. Bigotry exists when cameras are not around, outside of the press conferences, in casual remarks on the street, in everyday speech and mannerisms, and in songs sung after a few pints. It exists off the record; however, the lack of official documentation does not mean it does not exist. It only means that it is a more difficult foe to defeat.

The mere existence of the songbook is more than enough justification for punishment. The fact that only a select few members of the Redsuits worked on the content and compilation of the book is irrelevant. The fact is that, despite the irrefutably immoral content of the book, it remained in the property of the society for several years. More people knew of the existence of the book than those who penned it, and yet none of them took action to remove or destroy it, or to try to disassociate it from McMaster University or the Engineering Society. Instead of recognizing the harmful nature of the book and taking action, the members decided to accept it, or turn a blind eye to its offences. Inaction does not equate to innocence in the realm of sexism and bigotry. Those who refuse to speak out against such injustices are just as guilty of perpetuating the offensive material as those who created it.

The problem with the McMaster Engineering Society is that, based on their behaviour, had the existence of the book not been publicized, it likely would have continued to be passed down silently as the years as a quiet tradition among the McMaster engineering community, continuing the disgusting cycle of the sharing of such unforgivable jokes—the purpose clearly defined within the first pages of the book.

Some say that McMaster University was unjustified in its punishment, and that it was too harsh on the Engineering Society for punishing the society as a whole for the actions of a few. I have already addressed the issue of the “inaction implies innocence” mindset, but the other flaw is that the argument misses just how essential a large punishment is for this situation. A smaller response would send the wrong message. The sort of mentality portrayed in the songbook is not fit for this century, and the fact of the matter is this is hardly an isolated occurrence. You would have no difficulty in seeing similar displays from lowbrow comedies available for public consumption at a theatre near you.

The time has come to crack down on such immature and offensive humour with more than a mere scolding and slap on the wrists. People today should know that this sort of material is unacceptable in any setting—official or not—and we should start making examples of those who continue to participate or allow such behaviours to continue. It's 2014, people, it's time to act like it.

Dogecoin—It's (Mostly) No Joke

How the Meme Based Currency Provides a Good Introduction to Digital Currency



DEREK KAN
1B CIVIL

Wow. Such currency. Many coins. Much crypto. Featuring a Japanese Shiba Inu dog, the internet meme “Doge” rose to fame in 2013. With its colourful Comic Sans font, it depicts the internal monologue of the dog in broken English. But how did the meme find its way into the world of cryptocurrency?

It all started with a joking tweet by



Australian Jackson Palmer parodying the increasing number of alternative cryptocurrencies coming on the market, his tweet read, “Investing in Dogecoin, pretty sure it’s the next big thing.” Shortly after, with a little too much time on his hands, he purchased the domain *dogecoin.com*. The joke caught the eye of Portland-based software engineer Billy Markus who was in the midst of designing his own digital currency at the time. Markus contacted Palmer and days later Dogecoin was launched.

Cryptocurrency is a digital currency based on cryptography to secure transactions. Bitcoin was the world’s first peer-to-peer decentralized digital currency, invented in 2008 by pseudonymous developer Satoshi Nakamoto. Quickly gaining popularity, it offered people the freedom to transfer money anonymously from person to person without a third party, like banks or governments.

Another aspect is the mining of Bitcoins. It is a process similar to mining for gold, but instead your computer does the work by solving an encryption code. Just like gold, there

are a finite number of Bitcoins to be found which is set in the original code. The rarity and tradability of the currency is what gives it its value. To compare, Bitcoin’s cap is 21 million while Dogecoin’s is 100 billion.

Dogecoin is more of a variation on Litecoin (Bitcoin’s top competitor), which boasts faster transaction times and the ability to mine coins on a basic computer compared to the industrial-strength processors needed to mine Bitcoin. Because of its low value (one DOGE is currently worth about \$0.002 US), its ease of accessibility, and adorable mascot, Dogecoin has been adopted for use as a tipping currency. This means that if people like something on the internet they can tip a few coins here and there to show their appreciation. This contrasts to Bitcoin, which has become somewhat more expensive and therefore not ideal to be used as a tipping currency.

The struggle for Bitcoin and most other cryptocurrencies is getting people interested and getting them to understand how it works and how it can benefit them. The meme-based Dogecoin is proving to attract new users who would otherwise not explore the world of digital currency. Bitcoin may seem too intimidating or pricey for new users, but Dogecoin is taken more light-heartedly providing a good starting point for people to gain more interest and learn about

decentralized virtual currency.

The latest project by Palmer and Markus is the Dogecoin Foundation, a non-profit organization created for the purpose of spreading the use of the currency for charity and other goodwill endeavours. This includes the support for a non-profit community dental clinic, a non-profit AIDS service corporation, and a LGBT shelter.

One of the latest movements involved Jamaicans, bobsleds, and the 2014 Sochi Olympics. News released that Jamaica’s two-man bobsled team had qualified for the Sochi Olympics, the first time for the country’s bobsled team since the 2002 Winter Olympics. Despite the qualification, the team announced that they hadn’t been able to raise the funds needed to travel to Russia. After finding little help from the Jamaican Olympic Association and private investors, the team had to turn elsewhere.

Cue the generosity and support of the citizens of the internet and the power of virtual currency. Over just two days, the Dogecoin community managed to raise the equivalent of \$30 000 for the bobsled team. With this effort along with several other fundraising campaigns and outpouring of support, the Jamaican Bobsled team will be able to make its flight to the 2014 Sochi Winter Olympic Games. Now that’s what you call supporting the underDOGEs.

Google Removes Adware Extensions

Purchases of Popular Add-Ons By Adware Companies Forces Google Into Action



CAMERON SOLTYS
1B MECHANICAL

Google has removed two extensions from its Chrome app store “due to the way they were serving ads to users.” This action comes after app developer Amit Agarwal announced in a blog post that he had sold his popular extension “Add to Feedly” to what turned out to be an adware company. The other app removed from the store, “Tweet This Page,” was similarly sold by its creator.

According to Google’s developer program policies, an extension can display its own advertisements to users, subject to a number of conditions. Among them, the extension must clearly express to users that it displays advertisements and must not try to mimic website ads. But the new owners of both Add to Feedly and Tweet This Page have violated these rules by adding very intrusive and hard-to-identify ads.

Add to Feedly, for instance, was up-

dated to replace the hyperlinks in a web page with “affiliate links.” When clicked, the link takes a user to an advertiser’s site and informs the advertiser of who created the link—in this case the adware owner. The advertiser then pays the adware owner for driving traffic to their site.

Meanwhile, Tweet This Page has been redirecting Google, Bing and Yahoo! searches to *searchgist.com*, undoubtedly making a profit in the process.

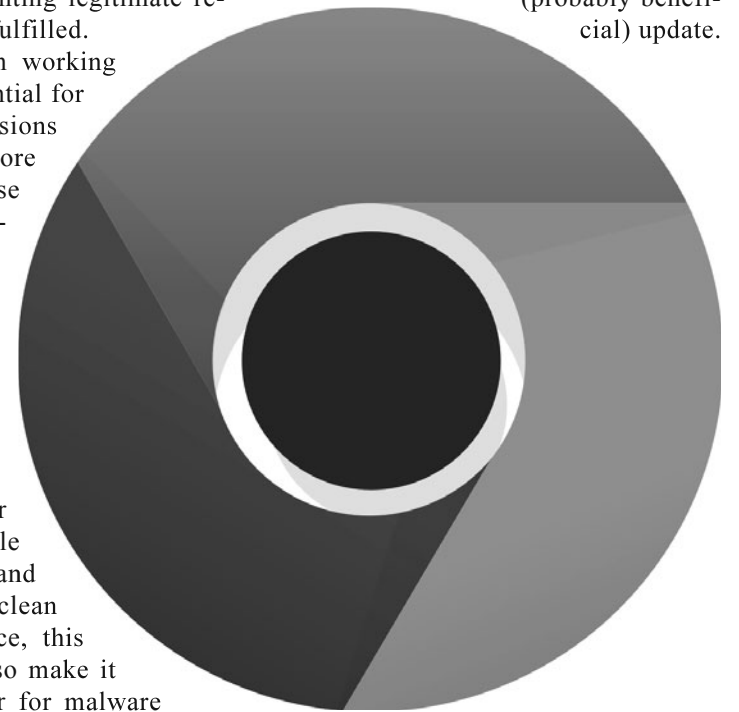
While these violations of Google policy may be quite annoying and make the apps themselves unusable, there is the potential for much worse. Google extensions update automatically, and only ask for user permission if the app requests additional permissions. This means that companies can purchase apps and update them to include malicious code without the user ever knowing.

Roman Skabichevsky, the ex-owner of Tweet This Page, worries that many more harmful things could be done with an extension. For instance, they could be set up as spyware to steal passwords and personal data. More originally, Ska-

bichevsky theorizes that an extension could hijack the browser to take part in a direct denial of service (DDoS) attack, in which many requests are made for information from a server, exceeding its capacity and preventing legitimate requests from being fulfilled.

Google had been working to combat the potential for malicious extensions to enter the app store since before these high-publicity cases; new policies to be implemented by this June will prevent an extension from performing more than one task. Touted as a way to bring extensions back to their “simple and single purpose... nature” and maintain a fast and clean browsing experience, this new policy will also make it significantly harder for malware

to be packaged into extensions. In the meantime, there is always the “Extensions Update Notifier,” yet another extension which will at least warn you when any of your other extension had a (probably beneficial) update.



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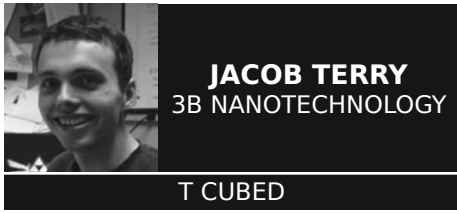
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Nintendo's Not Dead

Sales of Pokémon, 3DS Hold Strong While Changes Expected for Wii U



There have been a lot of similarities between Apple and Nintendo over the years they have been in business. Apple's defining product line, the Mac, first launched in 1984, and the Nintendo Entertainment System kicked off a string of successful game consoles in 1985 in North America. Both have championed the vertical integration of their company models and feel that it provides them a great advantage compared to others on the market. Both have some of the most loyal users in their industries. Both are incredibly profitable, and both oddly receive a constant slew of articles pronouncing their imminent demise.

Apple had a rough time in the 90s, and it was assumed that they were going to be bankrupt (they almost were), so naturally everyone felt the need to count them out. As they started getting bigger again, there was still a sense that they were going to mess up sooner rather than later, or whatever their new thing was would crash and burn. The initial response to the iPad was pretty derisive, yet it turned out to be an extremely successful device in its own right. Apple is doing pretty well now, no matter how wildly their stock price flails around.

From what you'd read about Nintendo, it sounds like they're on the verge of shutting off their entire business model and taking the Sega route, which is to shut down their hardware business and become another third-party developer. This obviously worked quite well for Sega, which went from being kept in the gaming conversation for their hardware efforts to now only really being known for making a series of hit or miss Sonic games. In recent weeks, after the Wii U didn't do quite as well as Nintendo was hoping, there have been endless calls for them to "test the waters" on smartphones,

or put their games on Microsoft and Sony's consoles. The people suggesting this struggle to understand what makes Nintendo so successful, as it's the combination of their consoles, the controllers and the games that gives Nintendo an advantage over a simple publisher like EA or Activision, which simply makes the games and occasionally the controllers. The rumours got to a point where Nintendo CEO Satoru Iwata had to come out and explicitly state that Nintendo was going to keep making games for their consoles, and that whatever comes out for smartphones and tablets will be supplementary to their main business goals. Interestingly, some websites like Complex Gaming chose to report this as Nintendo "confirming a move to smartphones," even though Iwata explicitly mentioned this example as a misinterpretation of his comments.

The Nintendo 3DS, while not selling exactly as much as the Nintendo DS it succeeded, was at the top of the charts throughout the holiday season, soundly beating even the PlayStation 4 and Xbox One as they launched. The release of *Pokémon X/Y* was certainly a factor in the increased growth, but the 3DS is doing pretty well. However, the Wii U is having some difficulties, but Iwata laid out plans for improving the console's appeal.

Some have called for removing the GamePad from the system to make the console cheaper, since many games apart from the launch titles don't make much use of it, but Iwata noted that Nintendo is going to put a greater emphasis on using the GamePad for Wii U games from now on. It seems clear that they have realized that the Wii U can not compete with just offering remote play when the TV is being used, and the best way to make the console more unique is by emphasizing the controller that makes it unique. This will likely mean a greater emphasis on single-player games and integrating the GamePad in multiplayer games, much like in *Nintendoland*.

Nintendo is also working to increase connectivity between devices, by

making the console and handheld likes more similar. This could imply some form of increased Nintendo Network integration, or even that they might run off a similar operating system to improve compatibility. The apps they want to release for smartphones and tablets might be more of a complementary measure, such as for downloading eShop games remotely to devices or checking up game manuals.

An interesting analogy floating around on the Internet is that Nintendo would relate mobile devices to their handhelds much in the same way that they have related desktop computers to their consoles. That is, making an effort to develop enough of a foothold

was that they were going to enter a quality-of-life segment, initially focusing on non-wearable health technology, that would develop a mutually beneficial relationship with their video game business. Quality-of-life in their case refers to any platform that enhances aspects of a person's life through entertainment methods. They noted that health, education, and lifestyle were going to be their first three developments in the quality-of-life unit, based on their work developing games like *Wii Fit* and *Brain Age*. They also noted that this other unit could develop new quality-of-life segments that would then be able to be pulled back into the game platforms as a potential concept for a



Takimata

Nintendo's CEO Satoru Iwata has plans to make the Wii U more attractive

in the market as mobile devices begin to saturate that they can have games port over to the 3DS and its successors. This would certainly help fend off the growing mobile games market, which will always be large by nature, but it is not an effective way to develop the rich, deep experiences that are offered by traditional gaming handhelds. For the Wii U, it appears that for now developing unique experiences is the best way to improve the accessibility of the console, while still trying to attract the third-party games that are on Windows and other gaming consoles.

A final notable change Iwata mentioned

video game.

Whether these strategies work for Nintendo or not is yet to be determined, but it's evident that they have many tricks left up their sleeve and are willing to try to find a way to stay relevant in the ever-changing marketplace. Luckily, they have one of the largest troves of gaming series to fuel them in any future decisions. The relative success of the 3DS, as well as how quickly their fortunes changed between the GameCube and the Wii, suggest that they are adept at making quick changes to improve their fortunes, and will be able to do so in the future.

Millions of South Korean Credit Cards Compromised



Credit card information of approximately 20 million South Koreans has been stolen from three major banks: KB Kookmin, Lotte, and NH Nonghyup. The information stolen were private details such as names, addresses, phone numbers, bank account numbers, and even social security numbers. While the three banks have issued a public apology, the victims have filed a first class action lawsuit against the banks, each claiming 110 million won (approximately \$103 400) in compensation. South Korean President Park Geun-hye and the UN Chief Ban Ki-Moon were among those whose information were reportedly stolen.

The culprit was found to be a computer contractor working for the Korea Credit Bureau, an organization which produces credit scores. The contractor was working on forgery-proofing credit cards when he transferred the victims'

information onto a USB stick in February, June, and December of 2013, according to the Korean Financial Supervisory Service (FSS). He then sold the information to a loan marketer and at least two brokers, most of whom, including managers at marketing firms who have allegedly bought the information, have been arrested.

South Korea's national financial regulator has released a statement: "The credit card firms will cover any financial losses caused to their customers due to the latest accident." Though the FSS has confirmed credit card passwords were not stolen, South Koreans' credit card transactions require a card swipe and signature, without requiring a pin or a chip, and, in some other outlets, do not even require a signature. This practise makes South Korean credit cards much more susceptible to compromise than the cards used in Canada.

On average, a South Korean has more than four credit cards, and credit card spending, according to the Credit Financial Association of Korea, totaled up to 451 trillion won in 2012, 66 per cent of the country's "private consumption."

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'Tis the Season for Indies: Sundance 2014 Picks



**ANJIDA
SRIPONGWORAKUL**
3A MANAGEMENT

Scarves and winter jackets. Boots and sunglasses. Snowy mountains and film tickets. It's the Sundance Film Festival in Park City, Utah!

Hosted by the non-profit Sundance Film Institute, it's one of the largest independent films festivals in the United States, the place to premiere famous films such as *Reservoir Dogs*, *The Blair Witch Project*, *The Usual Suspects*, *Napoleon Dynamite*, and *Little Miss Sunshine*. This year's Sundance ran from January 16-26, 2014, ten wonderful days of over 200 dramatic features, short films, and live music.

The films range from Spotlight films that have shown elsewhere but were officially selected for the festival, film premieres of various dramatic films to be released in 2014, and US Dramatic and World Dramatic films and documentaries competing in the festival for awards.

Whiplash, originally a 2013 Sundance award-winning short film, took home this year both the US Grand Jury Prize: Dramatic and the Audience Award: US Dramatic. Directed by Damien Chazelle, the film told a story of a 19-year-old drummer, Andrew (a breakout role for Miles Teller, whom you may or may not have seen in the flop that was a *Footloose* remake, back in 2011), who, practicing under his brutal instructor, Terence Fletcher (J.K. Simmons), was determined to reach perfection at all costs. It's more than likely that this film would be widely distributed very soon.

God Help the Girl, recipient of the World Cinematic Dramatic Special Jury Award for Ensemble Performance, is the first feature film, directed and written, by Stuart Murdoch, lead singer and songwriter of the band, Belle and Sebastian. The ensemble featured Emily Browning (*Sucker Punch*'s Babydoll), Olly Alexander, and Hannah Murray (the

British series, *Skins*' Cassie Ainsworth). Browning takes the center role as Eve, an emotionally troubled girl living in Glasgow, Scotland, whose songwriting leads her to two musicians, James (Alexander) and Cassie (Murray). I'm curious about a story about songwriting written by a songwriter himself, yet the reviews so far are less than flattering.

The Skeleton Twins, starring *Saturday Night Live* alums Bill Hader and Kristen Wiig as twins Maggie and Milo, won the Waldo Salt Screenwriting Award. Craig Johnson, the director and co-screenwriter alongside screenwriter Mark Heyman, crafted a melancholic, yet funny and touching film on a pair of siblings' reunion after years of being apart. An award winning script always sets a film apart from the rest. Add in performances from Hader and Wiig, and I'm set on waiting for this film to hit theaters.

If you're missing *Pacific Rim*'s Rinko Kikuchi, she's made her return in *Kumiko, the Treasure Hunter*, directed by David Zellner, this year's US Dramatic Special Jury Award for Musical Score winner. (The film's score was composed by The Octopus Project.) An introspective Tokyo girl living a mundane life as an office lady, Kumiko becomes obsessed with the famous Coen Brothers' film, *Fargo*. Convinced that the briefcase containing treasure in the film was real, she sets out on a journey to Minnesota to search for it. The synopsis alone intrigued me, and, as we all know, Rinko Kikuchi doesn't disappoint.

The next two films may not have won awards but clearly have won the critics over. Idiosyncratic, delightful, and dramatic, these are Sundance's top rated films.

Frank, directed by Lenny Abrahamson, features redhead Domhnall Gleeson as Jon, a young man seeking to become a musician, who finds himself entangled in an eccentric band, led by Frank (Michael Fassbender) and his right hand woman, Clara (Maggie Gyllenhaal). Sounds like another journey of Jon finding himself as a musician, but no – you don't get to see Fassbender's face in any

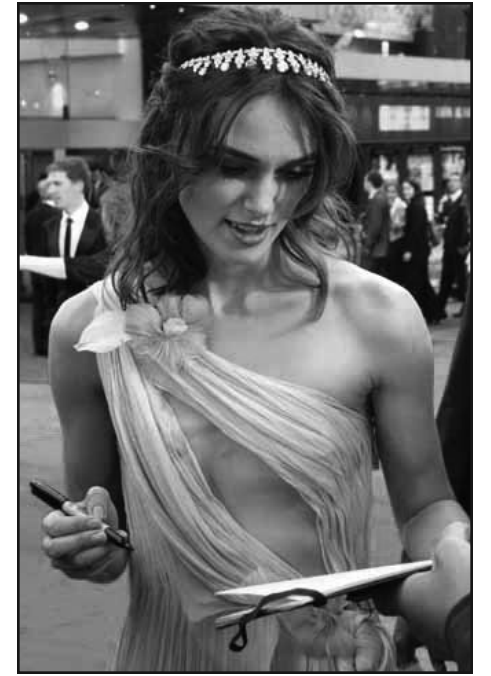
scene of the film. He spends the entirety of *Frank* wearing a giant paper mache head, and yet *Frank* itself is more than that. It's a rich comedy already lauded by critics as an examination of art and nature of artists. Music and Michael Fassbender in a light role, after all his Steve McQueen, drama-heavy characters, well, why not?

Critics claim our next film to be the best of its director's career. Acclaimed director and screenwriter Richard Linklater, who has brought us the unforgettable *Before (Before Sunrise, Before Sunset, and Before Midnight)* trilogy over the years, finally premiered his film, *Boyhood*. With a shoot which started all the way back in 2002, the crew and Linklater met up annually to film the script, following a young boy's (Eliar Salmon as a boy and Ethan Hawke, a Linklater regular, as his father) 12-year journey, from boyhood to becoming a college freshman. Now that's dedication in filmmaking. I've loved Linklater's work, and I trust this would more than likely become a top favorite in 2014.

The last two are favorite picks of mine, films I'm especially looking forward to seeing and which have premiered at this year's Sundance.

Chloe Moretz (*Kick Ass*'s Hit Girl) teamed up for the first time with Keira Knightley (*Pirates of the Caribbean*'s Elizabeth Swann, or, more recently, Anna Karenina in a film of the same name) in the film *Laggies*, directed by Lynn Shelton, a comedy about 28-year-old Megan (Knightley), who refuses to grow up. Fleeing after her high school boyfriend suddenly proposes, Megan seeks refuge at her 16-year-old friend Annika's (Moretz) home and encounters Annika's single father (Sam Rockwell). A star-studded cast in a coming-of-age comedy about three intertwined lives in today's "imperfect reality" (official Sundance review)? Of course, I'm excited about this.

Our last film, *Life After Beth*, is what its cast likes to call a "zom-com-rom-drom," a romantic drama featuring comedic moments and, obviously, a zom-



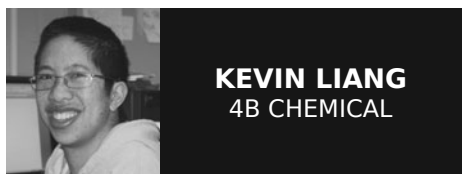
DavidDJohnson

Kiera Knightley stars in Laggies

bie. Except the zombie happens to be Aubrey Plaza (*Parks and Recreation*'s April Ludgate). Jeff Baena's directorial and screenwriting debut puts a unique twist on the zom-rom-com (Zombie Romantic Comedy) genre. Dane DeHaan (soon-to-be *The Amazing Spiderman 2*'s Harry Osborn) stars as Zach, a devastated-turned-confused boyfriend of a mysteriously resurrected girl, Beth. While Zach is initially eager to have a second chance to mend his relationship with Beth, who seems to have forgotten their fight before her death, things take a turn for the worse. As the undead mixes in with the living, Beth turns out not to be as "alive" as she may seem. Framed by the critics as "funnier than *Warm Bodies* and sweeter than *Zombieland*," both of which I have seen and can verify to be decent zom-rom-coms, *Life After Beth* sounds like a fun ride to take.

2014 is shaping up to be another great year in films. Blockbusters may have already lined up to dominate box offices, but it's these independent films which, more than often, tend to affect you in a way you may have not thought of before.

Germany Proving Green Energy Viability



KEVIN LIANG
4B CHEMICAL

Germany's energy policies are often praised by environmentalists and criticized by economists. Since 2000, when the German Renewable Energies Law (EEG) was introduced, electricity produced from renewable sources in Germany has increase from 6.3 per cent to about 23.4 per cent in 2013. But this was only possible through heavy subsidization and resulted in soaring energy prices. Retail electricity prices have risen from 0.14 to almost 0.29 Euro/kWh, according to data released by the Association of Energy and Water Industries (BDEW). Renewable energy providers are guaranteed a fixed, above market purchase price know as feed-in tariffs (FIT) similar to Ontario regulations. The trade-off between high energy prices and environmental protection is a topic of heated debate.

However, a new study from Germany's Fraunhofer Institute for Solar Energy Systems titled "Levelized Cost of Electricity – Renewable Energy Technology" has promising results for Germany's green energy movement. The study analyzed the levelized cost of electricity (LCOE) of renewable energy technologies in the third

quarter of 2013 and provides predictions for future cost development through to 2030 based on technology-specific learning curves and market scenarios.

According to the study, photovoltaics (PV) power plants reached a LCOE between 0.078 and 0.142 Euro/kWh depending on the type of power plant. The current LCOE for onshore wind power are between 0.045 and 0.107 Euro/kWh. Since offshore wind power have higher installation and operating costs it showed a considerably higher LCOE between 0.119 and 0.194 Euro/kWh. The LCOE from biogas power plants is between 0.135 Euro/kWh and 0.215 Euro/kWh.

In comparison, the LCOE for brown coal is at 0.038 to 0.053 Euro/kWh, from hard coal at 0.063 to 0.080 Euro/kWh, and from combined cycle gas turbine (CCGT) power plates at 0.075 to 0.098 Euro/kWh. The range in the values are dependent on the assumed fill load hours of the conventional power plant.

These results show that wind power at good onshore wind locations already has lower costs than new hard coal or CCGT power plants. Even more promising are results from the future development of the LCOE in Germany through 2030.

The German study predicts that the LCOE of PV power plants will fall to the range of 0.055 to 0.094 Euro/kWh. This

means that even small rooftop PV systems will be able to compete with onshore wind power. On the other hand, the LCOE of brown coal is expected to reach 0.06 to 0.08 Euro/kWh, hard coal between 0.08 to 0.11 Euro/kWh, and CCGT power plants will grow to 0.09 to 0.12 Euro/kWh. The study predicts that Southern Germany PV power plants will drop considerably below the average LCOE for all fossil fuel power plants by 2030.

The LCOE from onshore wind power that is already at a very low level is not expected to drop substantially in the future. But because of the expected rising cost of fossil fuel power plants, onshore wind power at locations with favourable wind conditions will reach parity with that of brown coal power plants by 2020 at the latest. Offshore wind power still has a great potential for reducing costs, with a LCOE between 0.096 and 0.151 Euro/kWh by 2030.

The concept of LCOE, presented in this study, allows the accurate comparison of different technologies. But it should not be equated with the feed-in compensation. LCOE cannot represent the spot value of electricity as that is determined by the daily and hourly variations and weather-related fluctuations in supply and demand.

Nonetheless, these predictions spell positive results for Germany's energy future.

Iron Warrior Poem: Last

CHRISTY FUNG
1B NANOTECHNOLOGY

*It's a cold and quiet night,
You're in bed, eyes closed,
Listening to the song of that night,
The night that you finally know.*

*How many times have you crossed paths,
From a smile, a wave, to having
conversations,
You remember her eyes, her laughs,
But not her hidden affection.*

*She sees the whole world in you,
And she wishes you'd see the stars in her;
Yet your vision did not ensue,
Because in somewhere else, you found
your universe.*

*The night that you finally know,
You kissed her on the lips,
She tried to smile, yet tears rolled down her
face, froze
For she knows, she isn't the one you'd miss.*

*In this night, amongst the stars of blue,
Of the breaths of the unloved
Remembering is the last thing you could do
For she is the girl you did not love.*

Take 5: Addictions to Things that are Technically Legal



There are a lot of drug movies and most of them are about illegal drugs. This week, I thought I wanted to write about them, but it was just way too depressing to describe five sets of characters doing meth/cocaine/heroin and coming to invariably untimely ends. Also, I felt it was important to illustrate that not all addictions are illegal, that many addicts appear fairly functional, and that sometimes their addictions are enabled by society.

Shame (2011)

Brandon (Michael Fassbender) is a successful advertising executive and sex addict. He reevaluates his life after a surprise extended visit from his needy sister (Carey Mulligan).

Don't watch this movie for the sex. It isn't sexy. It's intimate, and visceral, and powerful, but it isn't sexy. Steve McQueen tries to use an ambiguous ending but there's no hope in the movie to imply that Brandon is going to make some positive life changes. I can't wait for Steve McQueen to direct a feature-length comedy.

Limitless (2011)

Eddie (Bradley Cooper) is a struggling writer who tries NZT, a revolutionary pill that allows him to tap into his full neuropotential, with minor side effects of becoming cocky, impulsive, well-dressed, and enduring

massive withdrawal symptoms. He soon runs out of pills and into trouble with a Russian mobster.

First of all, the idea that humans only use ten per cent of their brain is a myth that stems from late 19th century neurological research. Early neurologists were unable to understand the functions of all the neurons in the brain. MRI scans show that all parts of the brain show some activity, even during sleep. Secondly, for a movie concerned with genius, *Limitless* would only qualify as "above average." It has an interesting premise – hasn't everyone fantasized about becoming a financial Batman-cum-Popeye? Indeed, it leads to some memorable moments: incapacitating a foe with ice skates while the kid is still wearing them, and literally drinking your enemy's blood to get high. But the moral, psychological and physiological consequences of Eddie's addiction to memory enhancers are only briefly explored, in favour of an uninteresting murder subplot and an ambiguous *deus ex machina* at the end.

Don Jon (2013)

Jon (Joseph Gordon Levitt) is so successful at picking up chicks in clubs that his friends call him "The Don," which conveniently rhymes with "Jon." But none of his HB8s and HB9s – nay, not even the legendary HB10 (Scarlett Johansson) hold a candle to his Black Mac, Portal to Pornography.

It would be a far cry to say that *Don Jon* is the lighter version of *Shame*. They're about two completely different addictions: Don Jon is into porn, whereas Brandon prefers the real thing. The styles are different: Steve McQueen has opted for simultane-

ous NC-17 and emotional restraint, whereas Joseph Gordon Levitt has gone all-out, saddled normally-competent actors with Jersey Shore stereotypes, and sprinkled the whole thing with montages that are stylistically and thematically closest to *Spring Breakers*. This is not a bad thing.

His most questionable choice is the incorporation of a manic-pixie-dream-cougar (Julianne Moore) who exists to cry a lot, get Don Jon high, and introduce him to "meaningful" sex. Bah. It's cheesy and doesn't fit with the rest of the movie. I would actually have preferred for JGL to be less introspective with Don Jon's epiphanies, and maintain the movie's initial "punchiness" throughout.

Willy Wonka & the Chocolate Factory (1971)

Charlie Bucket (Peter Ostrum), who lives in a one-room shack with his parents and both sets of grandparents, wins a trip to tour Willy Wonka's (Gene Wilder) Chocolate Factory.

Roald Dahl, the author of *Charlie and the Chocolate Factory*, had a very twisted, almost sadistic sense of fun. In his children's novels, this tended towards revenge fantasies for kids, directed at bureaucratic or cruel adults. In his adult stories, he became downright macabre. As such, a live-action adaptation of a Dahl book is both cartoonish and disturbing. The children who are not the designated hero Charlie Bucket are clearly unsympathetic: there is a television addict, a gum addict, a chocoholic, and a spoiled daddy's girl, who are all punished with situational irony. Willy Wonka himself might as well be an alien, for his shrouded motives,

manic demeanor, and residence with the Oompa Loompas. This movie is a nightmare. I mean, imagine *Looney Tunes* cartoons were adapted in fully live-action features. It'd be horrific.

The World's End (2013)

Gary King (Simon Pegg) is a high-functioning alcoholic bent on re-enacting the Golden Mile pub crawl of 1990 with his old chums (Nick Frost, Paddy Considine, Martin Freeman, and Eddie Marsan), who have since grown up and gotten adult jobs.

The conclusion to the Blood and Ice Cream trilogy is much darker than its predecessors, *Shaun of the Dead* and *Hot Fuzz*. Is it better? *Hot Fuzz* is still my favourite, but *The World's End* feels much more ambitious than both *Hot Fuzz* and *Shaun of the Dead*. However, I think its climax is less effective than *Hot Fuzz*: whereas *Hot Fuzz* packs all its running jokes and loose threads into the final action sequence, *The World's End* pulls a Tolkien and has at least two climaxes: one in which Gary confronts his personal problems, and one in which he confronts the organization that had been responsible for the strangeness in his hometown. This detracts from the effectiveness of both endings.

However, *The World's End* is still an excellent show of British talent and I'm sure if *Hot Fuzz* had never been made, I would think much more charitably of it. Gary's individuality and recklessness is treated as neither completely admirable nor condemnable. Under the slapstick is a very careful, non-saccharine examination of the nature of friendships and of *auld lang syne*. This is bittersweet well-done.

Sushi Bars in KW: More Unique Than All-You-Can-Eat



I am guilty of getting sushi on campus for \$10 a box but they aren't exactly a bang for the buck. Within the city, there's Itamae and Ye's – fun, filling, and lots of FBI (i.e. fried banana ice cream). They're great. However, we are so used to having all-you-can eat sushi that we have forgotten about the various a-la-carte options available in Kitchener-Waterloo. Forget about Mr. Sushi located in the campus plaza, hop on a bus, and opt for some better choices.

Dake in Kitchener and Watami in Uptown are very similar restaurants in terms of quality and price. While Watami has been in Waterloo for quite some time, Dake is a little less than two years old. I had never heard of Dake until my friend brought me there one evening. The inside looks like a bar – a stream of purple light surrounds the restaurant.

I don't know if they were trying to look upscale but it was a little too flashy for me. We sat in a booth that appeared to be more subtle. Being the only restaurant in KW that offers teppanyaki (which is meat grilled via a iron griddle), Dake is almost unique on its own. Unfortunately, I did not get a chance to try the teppanyaki. There were so many choices on the menu that it took us literally ten minutes to decide. The list of rolls and entrees at Dake is quite impressive. However, there was no free tea – so expect a glass of water unless you are willing to pay \$2-\$3 for a cup. I ended up getting a chicken katsu and a white Christmas roll. Katsu or Katsudon is basically deep fried breaded meat with rice. Often you will see pork katsu but this was my first time

seeing chicken katsu. The chicken katsu comes in generous portions with lots of sauce and rice, along with a side salad and radish.

It was good and filling, and not too oily. I personally would have liked it without all the sauce. As for the white Christmas roll, it consisted of "fresh salmon, tuna, avocado, cucumber, wrapped in soy paper and topped with white fish and flying fish egg" (this is taken from Dake's menu). Although tasty, its appearance did not much the menu's description, as can be seen in the picture to the right.

Still, this was a lot better than the stuff you can get at all-you-can-eat but it was far from what I expected. The roll was soft but lacked the flavour of raw fish. Anything with the words "white Christmas" should not be this mediocre. There were 20 different roll options – one of them must be done right.

Although small in both size and menu, Watami knows how to make their rolls right. I ordered the salmon ginger roll and the kansai style sushi. I've had the ginger rolls in the past and they were always done well. For some reason, the rolls this time were heavy in ginger and wasabi that I could feel the heat in my nose after just one bite. The same chef has been making these rolls for the past few years.

The kansai style sushi is probably one of the most unique items on the menu. The fish is pressed on rice in a box. Each piece is crafted with a lot of detail. I personally enjoyed looking at them.

And they tasted great too! I liked how there was fish embedded within the rice as well. It's not just raw fish topped on rice. It's literally a mini sandwich made with raw fish and rice.





My favorite part about eating at Watami was trying out their green tea cheesecake. I've never had green tea cheesecake before. I'm not sure if this is

a seasonal item or just a new item they have in store. It's not on the menu but the waitress will know if you ask them. It's \$6.50 a slice, but it was worth it.

It tasted good. SO good. Imagine a cheesecake that tastes like green tea icecream. It wasn't a large slice either but totally worth the buck. Every cent of it. You will not find this anywhere else in KW so I highly recommend this item. Even if you go to Watami just for this cake, it's worth it.





Here are the ratings for each restaurant (with five tools representing a perfect score):

Dake Japanese Fusion Restaurant:

Price: 
Selection: 
Environment: 
Service: 

Suitable for: Small and large groups

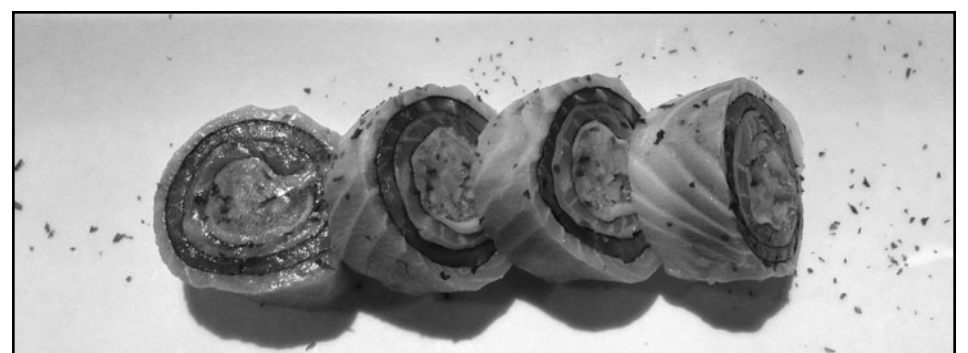
Watami Sushi and Sake Bar:

Price: 
Selection: 
Environment: 
Service: 

Suitable for: Small groups of two to four people



Sabrina Li
Dake's white Christmas roll



Sabrina Li
Watami's ginger roll were tasty and heavy in wasabi

Derozan Steals All-Star Spotlight From Lowry



**RONAUQ
SABHARWAL**
3B ENVIRONMENTAL

HADFIELD'S HOOPS

DeMar Derozan, from the Toronto Raptors, was named to represent the Eastern Conference in the NBA All-Star Game. DeMar has been an exceptional player and leader of the Raptors but his selection meant that his teammate Kyle Lowry got snubbed. Players like Joe Johnson of the Brooklyn Nets and John Wall of the Washington Wizards were chosen instead of Kyle Lowry. It is a travesty that the Eastern Conference coaches overlooked a top five guard in the East and gave his spot to someone that is less deserving.

Kyle Lowry, the starting point guard (PG) for the Atlantic Division leading Toronto Raptors, should be playing in the All-Star Game on February 16 in New Orleans. Yes, the same Lowry who averaged a mere 11 points, 6 assists on 40 per cent shooting last year. Or the same Lowry who was almost traded two months ago to the New York Knicks for Tim Hardaway Jr. (rookie) and a 2018 first round pick. Also the same Lowry who only started 52 games last year while court-sharing with a fan favourite Jose Calderon (pour one out for him). When he was acquired from the Houston Rockets by Bryan Colangelo last year (pour one out for him), his potential did not match his output. He was the little engine that could but never did. This year, Kyle Lowry should be an All Star.

This season, Lowry is averaging 17 points, 8 assists on 44 per cent shooting. But that is barely scratching the surface on what Lowry has done. Advanced Sta-

tistics confirm what the eye test reveals: Lowry is playing at a top five point guard (PG) in the Eastern Conference Level. Kyle Lowry ranks #1 (not 2, not 3, not 4, not 5, not 6 ...) in Player Efficiency Rating (PER) among PGs in the East. Ahead of Kyrie Irving, Deron Williams and John Wall, players generally regarded as the "top PGs in the East." He also ranks #1 in True Shooting Percentage (TSP) among PGs in the East and #4 in the entire NBA. His TSP is higher than that of Stephen Curry, Damian Lillard and Tony Parker. Lethal and efficient is the best way to describe Lowry this season. The last advanced statistic that really brings the point home is the Estimated Winnings Added (EWA). EWA provides the estimated number of wins a player added to a team's season total above what a "replacement player" would produce. Kyle Lowry ranks #4 among PGs in the entire NBA in EWA. Again, he is ahead of Kyrie Irving, Russell Westbrook and Jose Calderon. Did I mention that Kyrie Irving was chosen to be the starting PG of the Eastern All Star Team? Lowry doesn't only have him beat in the advanced statistics but also averages more assists, more steals, and fewer turnovers than Irving.

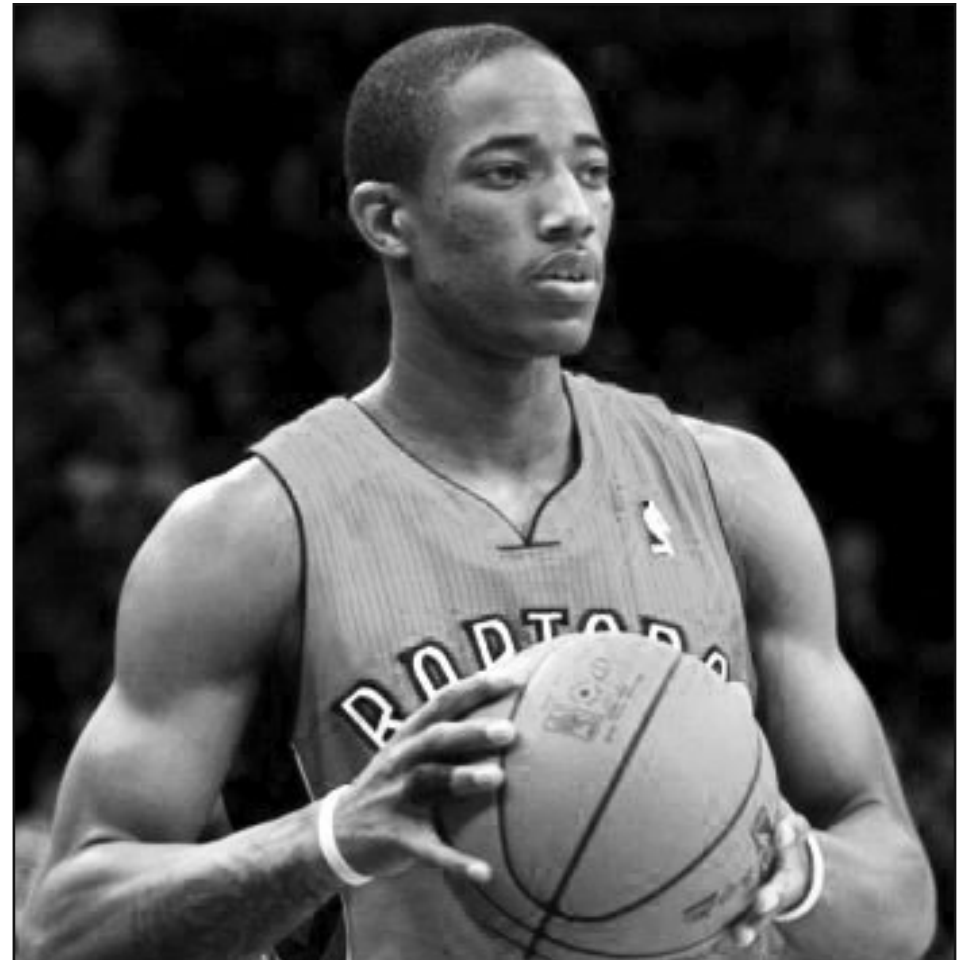
Before accusing me of being a homer for the Raptors PG, let me clarify that I was ready to take Hardaway Jr for Lowry straight up. Lowry has won me over with his exceptional play over the last month. Lowry's play over the last month and a half has been nothing short of spectacular. Since December 20, he has averaged 19 points, 8 assists, and just 2 turnovers per game. He is shooting 45 per cent from beyond the arc and 45 per cent overall from the field. This includes outburst of 30 or more points against Orlando, Brooklyn and

the New York Knicks. He has dished out 11 assists or more, 8 times over the last month.

At the beginning of the season, Lowry was thought to be a good asset to bring in young talent/draft picks but his play over the course of the year has been that of a mature leader. Yes, his trade value is at an all-time high right now, but why mess with a good thing? Toronto has a good group of guys who love playing for each other and the coach. Lowry is lead-

ing the team by example, putting in the effort required to get the W, no matter what; the game winning shot by Patrick Patterson against Brooklyn on January 27 – assisted by Kyle Lowry. After DeMar Derozan left the team due to injuries, Lowry has put the team on his back and delivered games where he is scoring more than 30 points and averaging 9 assists.

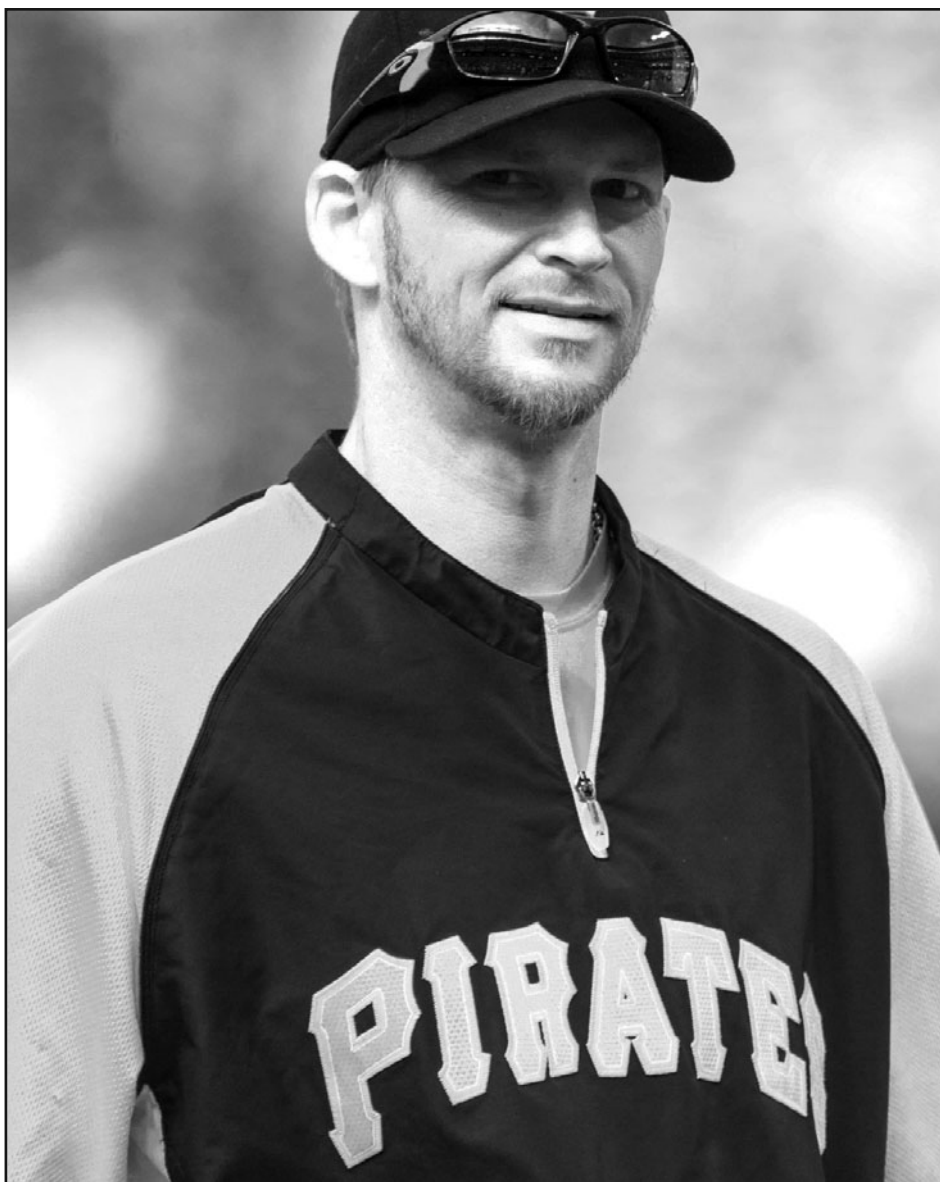
He's turned into the little engine that did.



Despite DeRozan's (pictured above) strong play, Lowry is the real all star

AJ Burnett Back in Blue Jays Uniform?

Anthopolous Continues Search for Starting Pitching After Disappointing 2013



Keith Allison

AJ Burnett could prove useful for the Jays, even if fans do not like him



**ELIZABETH
SALSBERG**
2N NANOTECHNOLOGY

THE BENCHWARMER REPORT

For all the fuss made over last season's revamped Jays roster, the unthinkable happened: they finished dead last in the American League (AL) East, while their division rivals, the Boston Red Sox (underdogs at the start of the season), went on to win the World Series. Most players involved in the blockbuster Miami Marlins trade, including starting pitcher Mark Buerle and shortstop Jose Reyes, are here to stay for at least two more seasons.

Hard-throwing Josh Johnson, the other big name in the Miami trade, came to Toronto on the last season of his contract (approaching free agency) only to be plagued by injury trouble. When he did pitch, he was hardly ever on his game. Good riddance to this one—San Diego thought him to be worth just 8 million for just a year. They can have this guy.

However, this leaves the Jays with yet another hole to fill in what needs to be a solid starting rotation if they have any hope of doing better this year. Barring any further moves, this year's rotation will likely feature returnees RA Dickey, Brandon Morrow, and JA Happ. If Kyle Drabek and Drew Hutchison shake off their injury problems, they may be on the five man rotation,

yet these remain question marks. As such, it seems Jays GM Alex Anthopolous is indeed in the hunt for another starting pitcher via trade or even free agency.

Among available free agent pitchers is ex-Jay AJ Burnett. Though Burnett did hint strongly at retirement last season with the Pittsburgh Pirates, he's recently announced that he would like to play at least this season. This may be a good and relatively cheap option for the Jays without the commitment to a multi-season contract.

Signing players on the cheap has been the trademark of Jays Management following the Ricciardi era. Fans however, may not be thrilled about resigning Burnett given that he left \$24 million in Toronto, opting to sign an \$82.5 million monster contract with arch-nemesis New York Yankees, the final two years of which have been with the Pirates. Yet his stats, though not super-stellar, are not too shabby for a 37 year old.

Burnett pitched nearly 400 innings last season, making 61 starts with a 3.30 earned run average. A sensible contract would be for just this season, with a potential club option for next season, depending on how well Burnett performs and whether or not he decides to retire. Don't be surprised if we see him back in a Jays uniform this season—though this will ultimately depend on if he has more generous options on the table. We all know why he went to the Yankees, now don't we?

TOP Reasonz to Travel After Graduating



Flick/jomme

One of the reasons to travel after graduating is so you can look like one of these sophisticated gentlemen



WADE WILSON & EDWARD BLAKE
4Z HANDSOMENESS

TOPZ (WITH A Z)

Date an engineer who travels. With graduation upon us thoughts inevitably lead to what we will do with our lives after we graduate. And no, we aren't talking about making serious and important decisions about work or graduate school. We're talking about dicking around Eurasia for a month or two and delaying making adult decisions. But it's soooo important that you do, because it's while eating, praying and loving, while you're romanticizing and blowing through that young money cash money that you really are becoming an adult (and not just because you spend all your YMCM). And so this week we are devoting our column to making the case to date an engineer who travels (and therefore be an engineer who travels because, honestly, you need all the help you can get).

Become a Better Person

Date an engineer who travels, because she

or he has become a better person: a better person than she once was, and a better person than you are. And the reason that she is a better person is because she has learned all about the cultures of poor people in shitty counties who cannot afford to be better people by taking such indulgent vacations in their early twenties. Of course, she or he still has soooo much respect and admiration for these people. Based on how enthusiastically she steals the spotlight at every cocktail party with the story about the time she was slumming it in India and had to sleep under a tin roof, one can only imagine how glamorous it would be to live like that every day! Impoverished nations are just so kitschy, and you can get a trendy sarong for next to nothing because of a currency less valuable than dogecoin.

Discover Yourself

Date an engineer who travels: he knows who he is and his role in this world. Maybe before he went to Thailand he didn't know who he was, or maybe he did. He can't really remember. After a cocktail of drugs, anti-malaria medicine, and a bunch of sketchy brothels he forgot who he was. But then he discovered himself during detox. If he never travelled, the last time he would have made

that discovery would have been as a newborn baby. And to quote Jaden Smith, "if newborn babies could speak they would be the most intelligent beings on planet earth." An engineer who travels is soooo deep.

Get Lost as Sea

Date an engineer who travels. She knows that there is more to planet Earth than what you find in travel guides and on post cards (which she still sends, because she's off the grid and not confined to the tyrannical efficiency of the digital age). 71 per cent of the Earth's surface is covered by water, a real engineer who travels strives to be soooo self-fulfilled and so she grabs a chubby friend (big enough to sit in the shower, but not so big as to sink a boat) and sets sail. Of course a true traveler shuns those who are limited to "navigation" and "responsible planning" and so she gets lost at sea. While lost she has plenty of time to learn things about the meaning of life, about her place in the universe, the beauty of the night sky, the beauty of figuring out how to navigate by the stars, how to fish, how to let the blood out of sea turtles, how to catch a seagull with her bare hands, how to draw a face on a volleyball, and how turn her cannibalism into a deceptively shallow

allegory for God.

Escape From Your Troubles

Date an engineer who travels because making your way in the world today takes everything you've got. Taking a break from all your worries sure would help a lot. Wouldn't you like to get away? Sometimes you want to go where nobody at all knows your name. An engineer who travels appreciates that he needs to escape the busy world of deadlines, overbearing bosses, precious platitudes, and tedious arrest warrants. On the road (or the ocean), an engineer who travels can escape the hustle bustle from their day job, and the hitmen hired by Rob Ford for their evening job.

By now we're sure you've been convinced to travel the world. And honestly, what excuse do you possibly have not to? Are you afraid of discovering truths about yourself? Are you afraid of expanding your horizons and better appreciating the world around you? Are you afraid of deadly exotic animals? Frankly, these excuses are bogus and you have no good reason to not withdraw a few thousand dollars from your trustfund, parents' bank account, or line of credit and venture to see the world. Namaste.

ENGINEERING PROBLEMS

JIMMY'S FRIENDS PRESSURED HIM TO WORKOUT...

#DO WORK GAIN VOLUME #YOLO #FORGET LEG DAY



The Pink Aisle: A New Company Revitalizes Toys for Girls



CHRISTY ROUAULT
3B GEOLOGICAL

FEMGINEERING

Most faculties now have close to 50 per cent men and women, with just a few exceptions to that rule. Nursing and education still count an extraordinarily high number of women, while engineering continues to have only around 20 per cent female enrollment. Of those 20 per cent, most realize by the time they get to university that they don't fit in well when every second screen saver is a half-naked woman, and every pair of safety boots only come in men's sizes. But these resilient few who have found their way into engineering are the exception, not the rule. It is clear that by the time most girls are deciding what career they want to pursue, they are either uninterested in, or have never thought about the possibility of engineering. Many studies have concluded that women

just don't like engineering subjects or that they don't have an inherent aptitude for it like men do. Are girls not enrolling in engineering because we're unexposed to it or because our genetic make-up makes us more inclined to choose another career? This classic nature versus nurture debate has begun revealing the root of the issue. Is there more to the way that society shapes girls differently from boys from the time that they're picking toys from the pink aisle, that makes the odds of becoming an engineer not in their favour? Perhaps the pink aisle is creating doctors and teachers but not engineers.

Debra Sterling is a Stanford engineer who decided that there must be more to why so few women enroll in engineering. She, like many others before her, wanted to understand why this anomaly still exists when other faculties, such as medicine, now have more women than men. Using case studies of thousands of young girls, she considered that the toys that little girls are exposed to and expected to like best when they are young are the common denominator. While

boys are learning spatial skills with Lego, girls are taught nurturing and sympathy skills with dolls. Very little overlap exists. While a variety of skills are important, boys have "boy toys" as their first planted seed, creating future engineers. Even cartoon characters, some of a child's first role models, contain this clear gender bias: *Thomas the Tank Engine* and *Bob the Builder* versus *Strawberry Shortcake* and *Sailor Moon*. Sterling wanted to find out if these toys were what each gender was respectively most interested in or if these toys were simply being marketed to a specific gender, negating the probability of a child ever getting the chance to cross this imaginary gender line. So she created her own company called Goldiblox; a company that makes toys marketed to girls specifically designed to teach them the necessary spatial skills to be an engineer while incorporating toy qualities like reading that little girls consistently like most. This is not to say that every female engineer was once a little girl who played with Lego instead of Barbies, but instead

suggests that had they all played with toy cars and blocks there might be more female engineers in the world. The inverse is likely true; boys playing house or having My Little Ponies could bring more diversity to the roles they play in society. Although the pink aisle is far from a transformation, a diverse set of toys is one of many steps in the right direction.

Engineers are actively changing the world; they imagine, design and create the society we live in. The less women who pursue engineering, the more it is a man's world. From the cars that we drive to the internet browser at our fingertips, every aspect of our world has been designed by an engineer, and women need have a say in the shape of it. Starting with the reinvention of the pink aisle, toys should be designed to spark a girl's interest and lead them into diverse paths which will hopefully inspire them to build a world of their own. Given the opportunity to learn about engineering at a young age, perhaps engineering won't always be a male dominated field.

Senate Reform: Does it Change Anything?



LEAH KRISTUFEK
3A CHEMICAL

Politics is never perfect. Society is full of conflicting agendas and needs so the political structure will never perfectly represent all interested groups. The choice to expel senators from the Liberal caucus which was announced last Wednesday by Liberal leader Justin Trudeau is being heralded as a positive step towards senate reform. That remains to be seen, but perhaps the biggest outcome will be a further increase in support for Trudeau.

The Senate serves as a secondary oversight body composed of members appointed by the Governor General at the advice of the Prime Minister. Before Wednesday's announcement the Canadian Senate was composed of 57 Conservatives, 32 Liberals, 1 Progressive Conservative, and 6 independents. Aside from the current Senate expense scandal population density shifts mean that Western provinces have significantly less representation with the current distribution of seats.

The idea that all senators should be in-

dependents was proposed by the NDP last fall. A consequent motion proposed by the New Democrats was actually voted against by the Liberals. Having no party affiliation is thought to make the senate a less biased body when it comes to approving, or denying, bills. The West feels that this is a step towards better representation. Previously Stephan Harper championed a "Triple E Senate" in which the Senate would be composed of elected members, would function effectively and have equal representation for each province. However equal representation has since been dropped from Harper's idea of an ideal future senate.

Trudeau stated that "Paired with patronage, the pervasive issue of partisanship and control in the Senate is a deeply negative force." He was quick to call attention to his party as "relentless reformers." Emphasizing that, "When public institutions fail to serve the public interest, we take bold steps to change them. These proposals will bring real, positive change for Canadians." The statement sounded decisively electoral. While senators can no longer be a part of the Liberal caucus there is nothing to stop them from forming their own or joining that of another party.

In the end this action is nothing more than

a gesture acknowledging that there are gaps in the current form of the senate. By rejecting senators from his party Trudeau changes very little besides betraying senators who share his beliefs and values. Personally this seems to be smoke and mirrors to put forward a good election image without creat-

ing any sort of radical changes. Yes, there may no longer be senators tied to Liberal Party values but it doesn't change that representation for different provinces is not equal nor does it increase senator accountability. In the end, this is little more than a political gimmick by Justin Trudeau.



Flickr/scazon

Justin Trudeau's political gimmick does little to change the Red Chamber



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The SFF Memorial Leadership Award Nominations

In recognition of the late Professors Saip Alpay and Wm. C. Nichol, and Sam Ceccerallo, Robert Elligsen, later former students of the Faculty of Engineering

The Leadership Award is granted to an intermediate-level undergraduate student in the Faculty of Engineering who has demonstrated outstanding contributions to the Faculty in the promotion of extra-curricular activities, including, but not limited to: Intramural Athletics, promotion of Engineering Society and Sandford Fleming Foundation events, competitions, etc., and for the support of associations, both on and off campus.

Nominations for the Memorial Leadership Award can originate from student groups, faculty members, or other individuals. A Letter of Nomination and Letters of Support from colleagues, faculty, and others familiar with the nominee's accomplishments are extremely important and form the major basis upon which the Executive Committee of the Sandford Fleming Foundation will form its decision. Nominations must be submitted to the Foundation by April 25, 2013 and/or before the last day of the student's 3A term.

The Memorial Leadership Award consists of a Certificate plus a citation, and an honorarium of \$1,000.

Nominations Must be Submitted to SFF Office Manager by April 25, 2014

E2-3336, Extension 84008, sff@engmail.uwaterlo.ca
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Bombardier Issues Large-Scale Layoffs in Aerospace Division



**ANDREW
MCMAHON**
3B ENVIRONMENTAL

From the company's humble beginnings as a maker of snowmobiles in 1942, Bombardier has grown to a manufacturing industry giant with its current two main divisions of Aerospace and Transportation. Bombardier wrestles with the Brazilian Embraer for third place behind Boeing and Airbus for the largest aircraft manufacturer in the world, and stands as the largest rail equipment manufacturing and servicing company.

Despite this impressive resume, all is not well for workers of the company who are being subject to job cuts in the order of 1 700 positions. An internal memo was released to employees two weeks

ago citing product delays, a "tough market," and the company's need to save money as the reasons for the upcoming terminations. 1 100 of the 1 700 job cuts took place in Canada with 80 per cent of those occurring in Montreal. Of the 1 700 jobs, 300 were cut in December. Bombardier Aerospace employs 35 000 people globally and these layoffs will represent about five per cent cut of the workforce

A Bombardier spokesperson announced that the cuts are not a direct result of the struggles of any one program, although it would seem foolish not to point out the delays associated with the release of their new CSeries aircrafts. The CS100 and CS300 are part of the CSeries of medium range jet airliners manufactured by Bombardier and are expected to burn 20 percent less fuel than their competition once put into operation. The release will now be delayed

until the second half of 2015, which is months after their already delayed release date.

David Chartrand of the Machinists Union reports that the jobs being cut include 300 contractors, hundreds of engineers, temporary employees and others hired to work on special projects. The *Ottawa Citizen* states that positions affected include contractual, permanent, unionized, and management. Following the 9/11 terrorist attacks, the aerospace industry took a big hit and Bombardier was forced to lay off 3 700 machinists, roughly 1 100 of whom were later re-hired. This round of job cuts seems to be different though, with layoffs occurring across disciplines; everyone is affected, including production, engineering sales, and product support divisions.

One of the reasons cited for the delay of the CSeries Jet has been software system integration issues, which may

be reason to believe a number of these layoffs may be temporary, at least in terms of engineers and machinists. In order to cut manufacturing costs during the delay, Bombardier has "trimmed" many of the employees whose jobs were focused on the CSeries jets but are not responsible for the final steps leading up to product release. Unfortunately, in contrast to this point is the looming fact that Bombardier reported receiving 19 per cent fewer orders last year than in 2012, meaning that there simply may not be enough work to sustain a number of project-based employees.

Analysts have called these layoffs "prudent," or acting with care for the future, but the aerospace industry is and will continue to be a "tough market." Bombardier will have a tough time keeping worker morale high if they issue mass layoffs every time they come across a bump in the road.

Homophobia, Corruption and Security Concerns Threaten Celebratory Nature of Winter Games



ALEXANDER LEE
2N NANOTECHNOLOGY

I'm Canadian. I love being Canadian, and I imagine most of you love it too. I just don't show it very often. For me, Canadian pride has always been very passive. I have the pride, but I just don't show it very often. It takes a very special moment to get me excited about being Canadian. One of those moments was when Sidney Crosby shot the gold-winning goal in overtime against Team USA in the Vancouver 2010 Winter Olympics.

Four years later, the Winter Olympics, in its 22nd incarnation, are upon us again. As most of you know, this time we are not on home turf. This time, the setting is Sochi, Russia, located on the coast of the Black Sea near the border with Georgia. This will be the first time Russia has hosted the Winter Olympics, and the first time it has hosted any Olympics since 1980, when Moscow was the host city for the Summer Olympics.

The Moscow Olympics was one of the most controversial games. As it took place at the height of both the Cold War and the Soviet War in Afghanistan, most of the Western world boycotted the games in Moscow. Thankfully, we live in somewhat less polarized times now, and nothing as major as mass boycotts have marred the celebration of unity and competition that is the Olympic Games. However, that is not to say that there has been no controversy over the Sochi games. In fact, Sochi has raised the most controversy in years.

The most major controversy is definitely the situation of LGBT rights in Russia. Homophobia is notoriously prevalent in Russia, and a poll by the Pew Research Center held last June indicated that 74 per cent of those surveyed in Russia were against homosexuality. There have been calls by LGBT groups to boycott the Olympics due to Russia's stance on these issues, as well as recent anti-LGBT laws which have made it illegal to demonstrate and protest in favour of gay rights. Russia itself has been indecisive on these issues, with some reports saying that Russia would not enforce its anti-gay laws during the games, and other reports

indicating the exact opposite. The safety of openly gay athletes competing at the games is at risk.

To further complicate matters, the International Olympic Committee will be enforcing Rule 50 of the Olympic Charter, which forbids political protest. Ostensibly, this means that they will use Rule 50 to stop athletes from showing support for LGBT rights. Some have found certain loopholes around this. For example, Germany unveiled their rainbow-coloured Olympic uniforms several months ago. The rainbow has historically been associated with the LGBT community, and many are saying that the uniforms themselves are a form of protest against Russia's homophobia. However, Germany itself maintains that the uniforms have nothing to do with gay rights, as one would expect.

Another issue that has come up recently is corruption. Russia is a country that has struggled with corruption since the Soviet collapse in 1991. During the ensuing power vacuum, a handful of people were able to snag very lucrative contracts and

came away with control over the majority of the USSR's vast economic power, and Russia has been dealing with the consequences of this ever since. Corruption has naturally reared its ugly head in the massive amounts of construction that lead up to an Olympic Game. A businessman, Valery Morozov, revealed to the world the extent of the corruption plaguing the Olympic construction. Many projects have gone way over budget, and have faced numerous delays since construction started. Morozov also claims that the reason for this is that well-connected businessmen and officials pocketed Olympic funds for themselves. In addition, he claims that he has received death threats for revealing this. Rampant corruption reaching into the upper echelons of the Russian government appears to have affected the construction leading up to the Sochi 2014 Olympic Games.

To go a little further back, it appears Russia's past is coming back to haunt it. Some of you may remember back in 2008 that Russian armed forces invaded the Georgian territories of South Ossetia

and Abkhazia, to support separatist and independence factions within these two regions. Russia handily won the war, but territorial disputes between the regions and Georgia continue to this day, and the entire region is still very violent and unstable. The war and its legitimacy may be coming back to pester the government. As stated earlier, Sochi is located near the Georgian border on the Black Sea, and its proximity to Abkhazia and the instability there has prompted security concerns. Add in numerous bombings and terrorist attacks in Russian cities within the past year, and many begin to question Russia's ability to keep the games safe.

Despite all the controversy, it appears that the games will be proceeding as planned, and athletes have started to arrive in Sochi to prepare for the games. Hopefully the games will be peaceful and we will be able to celebrate what they represent: unity and diversity, competition and cooperation. So make sure to cheer on our athletes next week as they go for gold at the XXII Sochi Winter Olympic Games!

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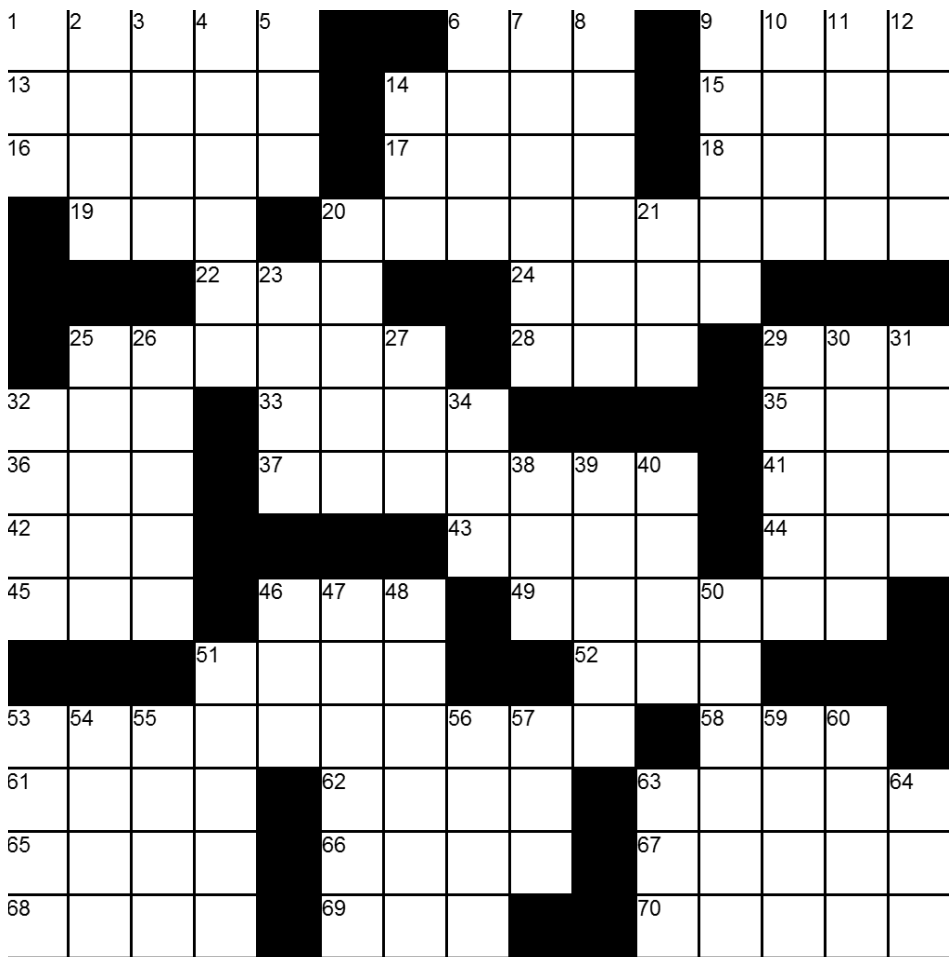
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The Iron Crossword

Alternatives to Abstinence

NANCY HUI
3T CIVIL



ACROSS

- 1 An adhesive that transfers contraceptive hormones for a week through the skin
- 6 The opposite of he
- 9 En or em
- 13 Yellow pigment
- 14 Ambiguous sound of pleasure, pain, or release
- 15 Word used to express a preference
- 16 Tidy
- 17 The one rule on Omega: "Don't fuck with ___."
- 18 Shock
- 19 University of North Texas (abbr.)
- 20 Should be used in conjunction with cervical sponges or diaphragms
- 22 Top left computer button
- 24 ___ ex machina
- 25 The capital of Lesotho
- 28 Aged
- 29 Type of dance

- 32 Genre of 41-across verse
- 33 Doll's creepy refrain
- 35 Muhammad of boxing
- 36 Matchpoints alternative (abbr.)
- 37 Contraceptive inserted subdermally
- 41 "Half a ___ for bail cuz I'm African"
- 42 Mavericks org.?
- 43 The capital of Samoa
- 44 Arthur's dog
- 45 Western lass
- 46 Egress
- 49 Departure
- 51 Black like a raven's wing, or my true love's hair!
- 52 Senatorial title
- 53 Method relying mostly on self control (2 wds)
- 58 T-Swizzle album
- 61 Small case for holding small fripperies
- 62 Blue like a feeling
- 63 Witch hunt town

- 65 Fat-based shortening
- 66 Margerine
- 67 Agog with brotherly love?
- 68 "With glowing hearts, we see ___ rise."
- 69 What happens when you see 58-across
- 70 A noble gas

DOWN

- 1 A non-white person (abbr.)
- 2 Org. co-founded by Helen Keller
- 3 Next
- 4 Boxes
- 5 Stag (party) counterpart?
- 6 State of having tired muscles
- 7 A fauxhawk or waterfall braid
- 8 Nail varnish
- 9 Things you can herniate
- 10 Pro- opposite
- 11 Hunk
- 12 Sharpen
- 20 Make like a tree and leave
- 21 Small contraceptive device placed in uterus
- 23 Half of an 18-wheeler?
- 25 World's fastest snake
- 26 Horrify
- 29 Lava and floor
- 30 Also known as
- 31 Also used to control heavy and painful menstruation

- 32 Nuva___, which is imbued with hormones and inserted once a month
- 34 Pie ___ mode (2 wds)
- 38 Primate
- 39 Throw in the towel: call it a ___
- 40 Tasty root vegetable
- 46 Mulder and Scully's employer
- 47 Only method protecting against STIs
- 48 Portuguese-speaking West-African nation
- 50 Stir into a frenzy
- 51 Drop a syllable in speech
- 53 Bombard with furs?
- 54 Mormon state
- 55 Bait
- 56 Has a debt to
- 57 Proprietary Crazy Eights variant
- 59 Style and vigour
- 60 A hormonal contraceptive shot
- 63 Jazzy woodwind
- 64 What was raining on *The Weather Girls*

Sudoku

#2014-02

LUCAS HUDSON
3B MECHATRONICS

Easy

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

Medium

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

Hard

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

Issue 3 Deadline:
Friday, February 21 at 6:00 p.m.
Send your submissions to:
iwarrior@uwaterloo.ca

THE IRON INQUISITION
Lucas Hudson, 3B Mechatronics

"What do you think should go in E7?"



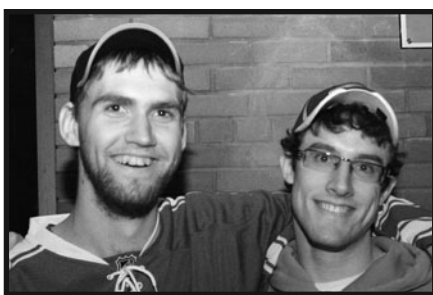
"A wing named after me."
Janice Kwan, 3B Systems Design



"A Swedish massage guy named Sven and a smoothie machine."
Michael Franko, 3B Mechatronics



"A mattress lounge."
Rishi Kapadia, 2A Computer



"C&D with donuts (and strippers)."
Will Wilmot and Dylan Dowling,
2A Chem and 3A Civil



"Giant slides instead of stairs!"
Heather Smith, 3A Chemical



"Everything they forgot to put in E5..."
Andrew Neves, 4B Mechatronics