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How to Pull an Allnighter

Page 7



Favourite Albums and Songs of 2013 WEEKEND

Page 13



Top Wayz to Conduct an Interview

Page 15

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Aftermath of Typhoon Haiyan



Francis R. Malasig/EPA/Landov

Typhoon Haiyan makes landfall in the Philippines.

NINA FENG
3B ENVIRONMENTAL

Typhoon Haiyan made landfall in the Philippines on November 7, leaving cataclysmic destruction in its wake, before heading north to Vietnam. With wind speeds of up to 315 km/h, it was classified as a Category 5 super typhoon, setting the record for the strongest tropical cyclone to make landfall and the fourth most powerful observed to date.

The area most particularly affected by the storm was the province of Leyte, on Samar Island. Parts of its capital, Tacloban City, were completely washed away. The total number of confirmed fatalities sums to over 5,000 people, with an estimated 18,000 more injured. Billions of dollars worth of agriculture and infrastructure were destroyed in the Philippines, and surrounding countries such as China and Vietnam.

Foreign aid is coming from all parts

of the globe in the form of supplies, aid personnel, and monetary donations, sometimes highlighting political tensions and competitiveness, especially in the cases of China, and the United States. Canada allocated an initial \$5 million, with another \$15 million for UN and Red Cross organizations as needed. In addition, the government pledged to match every dollar donated by its citizens to registered Canadian charities until December 9. Some members of the Canadian Armed

Forces' Disaster Assistance Response Team (DART) were also deployed and will not return for a number of months. Their duties include providing clean water, medical assistance, and rescue work. Immigration applications and visa extensions from those personally affected by the events will also be prioritized and treated compassionately.

Many obstacles have been faced,

Continued on Page 2 at TYPHOON

EngHack!

CLARISSE SCHNEIDER
2A SOFTWARE

On November 9, 100 hardcore hackers embarked on an endeavour of epic proportions: to design digital solutions to student problems in 24 hours.

Running from 7PM on Saturday to 7PM on Sunday, students broke up into groups of one to four people to code a unique project which would benefit their peers on campus. The lengthy competition was punctuated by goofy Minute to Win It games, swag drops (courtesy of Google), much-needed food

breaks, and fresh pots of coffee.

After working all night, the teams set up to demo for our lovely judges: Chris Vandeveld, a 4A Systems Design student with a specialty in Android development and previous co-ops at Canopy Labs and Square; Lucas Wojciechowski, a 3B Software Engineering Student and front-end wizard with previous co-ops at Twitter and InKling; Vinit Kudva, a Software Engineering graduate, recurring judge for Software Fourth-Year Design Projects, and current Enflick Software Developer; and Marcelo Cortes, a Software Engineer

at Square, Co-founder of FreePoint Inc, and previous Senior Software Engineer at Google.

The judges visited every team and came together to choose their top 8 teams, who then publicly presented their product in more detail. After much deliberation, the top three teams and honourable mentions were announced and various prizes distributed (including Nerf guns and plush geese!).

The first-place team's hack, Good Morning, is the brainchild of 1A software students Sameer Qadri, Geoffrey Yu, Hicham Abou-Jaoude, and Jami

Boy Mohammad. Good Morning is a personalized, user-friendly day-at-a-glance service that integrates weather, events, and news into one customized experience with email notifications, accessibility from any web browser, and a native iOS app. The algorithms take into account weather statistics to calculate daily weather, highlight major upcoming events in your calendars, and display daily news that interests you.

In second place was uWallet, an Android app created by 1A software engineering

Continued on Page 7 at ENGHACK

Letter From the Editor

Thank You and Don't Forget to be Awesome



ALEXANDER LEE
EDITOR-IN-CHIEF

Hello readers,

It's been a long road with many ups and downs, but we've arrived at the final issue of The Iron Warrior this term. I'd like to thank all my staff for all their hard work writing articles and copy editing. They've been an invaluable help to me this term, and without them, there would not be a newspaper.

I'd like to thank Jacob Terry and Farzi Yusufali for all their help this term, especially early. They helped me to iron out the kinks in our publishing schedule this term, and Jacob was the one who suggested printing the election issue. Farzi has been invaluable in helping me to catch mistakes in the issues.

I'd also like to thank Nancy Hui, Nina Feng, and Vince Magas as well as all my other copy editors for all the work they did catching grammar and spelling errors and making sure that articles were printed as error free as possible.

Thank you to the many who contributed to the paper this term. Your words and thoughts are the heart of the paper, and I hope those thoughts have informed many, and made them think.

I would like to thank both Mary and the EngSoc execs this term for basically managing the paper's finances. Mary has been an invaluable help by delivering invoices to advertisers and informing me about important things like signing cheques and alerting me that Plant Ops wanted to put up the boards in the room. I know the EngSoc execs were very busy, and my only regret is that the one time they all handed in their reports on time was a week that wasn't a publishing weekend. Well, that and also that I couldn't attend any EngSoc

meetings due to scheduling conflicts with a class.

I also have some awards to mention. Every term, we give out two awards. The Iron Pen Award goes to the person who wrote the most number of words in the paper in the term. The Editor's Award goes to those people who have helped me the most this term.

The Iron Pen Award this term goes to newcomer Alex Toth! Nancy Hui was in the lead for most of the term, but despite an impressive 2000 words coming from Nancy this issue, Alex delivered a 3055 word monster to me this issue, which just barely placed him over Nancy in word count. Congrats to Alex!

The Editor's Award this year goes to Jessica Keung! She's been very helpful this term, writing several articles and starting a new humour column called How to Talk to... which will hopefully be a worthy successor to the vaunted TopZ (with a Z). She has also been my representative at said EngSoc meetings which I couldn't attend, has done virtually every edition of the Iron Inquisition this term, and has been here for the majority of production weekends. Thanks for being such a big help and for doing basically anything I needed you to.

I would also like to announce the new EIC for the Summer 2014 term: Nina Feng! Nina has been with the paper since 1A, and was one of the most prolific contributors to the paper this term. She also has layout experience and knows how the paper will run. I'm sure you will do a great job in Summer 2014 Nina, and if you need help, don't hesitate to ask me or any of the other previous EICs and others.

I also want to give a shout-out to Spenser Good, the incoming EIC for next term. Circumstances allowed him to turn up for several meetings this term and to write several articles, even though he's offshore this term. I'm sure he'll do an amazing job and I look forward to see what he will

accomplish next term.

I will personally remember these last three months as some of the best months of my life. This was the first time I took on such a large responsibility, and I can only hope that I shouldered it admirably. One thing I know I could have improved on during the term was communication with EngSoc. I know scheduling conflicts kept me from being able to go to meetings, but I could have found other ways to keep in touch with them. Their input and advice could have made this term much easier, and Hopefully this will not be the end, but a beginning as I pursue bigger and better things next term, and I hope to stay involved in the engineering community.

All that said, these last several days have been rather trying to me. My godmother passed away early last week, and naturally I needed to attend the funeral. This meant I would be home from Thursday night to Friday morning. While I do not regret this decision, it did put me behind, both in schoolwork and on the paper. Again though, no regrets here. While it's important to learn from every experience in your life, it's more important to know what you learned in those experiences. I had lost my grandfather and my godmother, both of whom I was very close to, within the span of months. But I do not wish they did not pass away. I miss them, but they both lived very full lives, and I am happy for the time I was able to spend with them. Change is necessary in life, even if sometimes we would wish it wasn't. And the lessons I learned from this last week I will keep with me for the rest of my days.

Thank you for being here throughout the term reading my ramblings about recent events and about life and challenges. I hope it didn't bore too much. Thank you readers for continuing to pick up and read The Iron Warrior. It means a lot to us and after all, we are proving a service to you, and we are thankful you appreciate it.

Typhoon Haiyan Linked to Climate Change

Continued from Page 1 at TYPHOON

however. The large amount of damage to the infrastructure had essentially shut down all utilities and systems in the area. Planes could not be operated in darkness, and supplies were not readily distributed due to closed airports. Hospitals were not operating at full capacity. With the sudden lack of life's necessities, citizens became desperate and reports of violence and looting were widespread, especially in Tacloban City. Relief convoys were ambushed, rice warehouses raided and stores looted in acts of self-preservation.

More casualties were sustained and the general health and well-being of the citizens was threatened. Military presence was increased as a result, and martial law was considered. Aside from the delivery of relief, clean-up and body recovery efforts had to be conducted, with body identifying for the thousands that were missing.

Climatologists and scientists attribute the remarkable force of the storm to climate change, an issue that many believe has yet to be addressed in a real way. At the 2013 United Nations Climate Change Conference, Filipino lead climate negotiator Yeb Saño declared

a hunger strike in an attempt to push for meaningful results. He has since been joined by tens of other people, including American delegates and environmental organizations.

The rebuilding and recovery from such a disaster will take years. Thousands of Filipino citizens have lost their entire livelihoods, with no quick fix to regain what once was theirs. The psychological toll from such a loss will also need to be attended to in the long run. In the meantime, this and other similar occurrences have helped to spur discussions on the prevention of future catastrophes.

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In Defense of Happily Ever After

KIRUSHA SRI
3N ELECTRICAL

It's 1:28 a.m. You can hear all 3 clocks in the apartment tick. The reset button is going to be hit soon and the alarm will sound, but this time you don't have enough time this time. F***. Your relationship with the reset button wasn't always like this. It used to be a refresh instead of a hard reboot.

You are better off now than you were then. This is fact, even if you haven't had a legal amount of sleep in days. Moving 12 times in 5 years is what your adventures have amounted to. You get an email that indicates that you are in your homestretch now: your class is going on the IRS countdown clock come winter. All of a sudden you are flooded with signs that your days are numbered.

Apparently this ride is going to be over soon. Just like when going that last hill of a roller coaster ride and you see the operator and a line of people that are waiting to get on. While you've spent the past few years

screaming, you ask yourself if you should be basking in some kind of glory. Unlike a rollercoaster, you've been on this ride for years. Time has hardened you, but now you second guess some of your active loathing. But then you don't. Tough times have taught you things though. You think of all the friendships that would never have happened if you hadn't shared the same quicksand.

There is an art to the restart. There is a newness that comes from buying furniture on Kijiji and finding housing on short notice. Meeting up with a friend for a meal last minute in a city you are only in for the night isn't too much of a stretch of the imagination. You hope their number hasn't changed as often as yours has.

There is beauty in transience. Friendships go from new, to newly old. Goodbye and hello are what you know. Less is more: packing the contents of your life in six hour or less isn't unheard of in your circle. Belongings change hands but memories are there for as long as you need them. They compensate for the chaos. You'd have thought we'd be masters

of this life by now.

You wonder how everyone else does it- this dark art, staying. How did they do it? Most attempts left you with a sour aftertaste. At least you can blame change on the grand calendar, but that doesn't justify people drifting, cities changing, restaurants closing, and your favourite colleagues moving on to new and delightful positions. These are the curses of lingering too long.

Settling down, that's something that even if you think about seems like something that happens to other people. But you have to admit that you have a few homebody tendencies: staying in can be appealing considering you can now afford a legitimate Netflix account and premium ice cream. That said you still get a kick out of getting a good deal at the grocery store. You are living in the better side of town now, your roommate is nice and you have patterns. You've learned the names of the people you work with and you see your name and extension on a staff list. You don't let that go to your head because you know that your re-

placement already exists- a doppelganger that you won't meet. Life is going to go on when you hand in your ID.

Even though it seems to always be new by now you know it isn't really in some ways. The front desk assistant may have a different name; your extension may be a different set of four digits- you have to look yourself up in Outlook or check your email signature to find it. Perhaps you've hit that point where there isn't one place to call home. No matter where you are, you are going to be missing someone or some get together. That's alright though, time can be made. Impressive distances can be travelled.

Perhaps happily ever after will be knowing when to stay and when to go. It will be figuring out how not to be a workaholic. It will be knowing when to chase something and when to cut your losses. It will be long drives and short conversations. It will be apologizing, getting up at odd hours, and assembling IKEA furniture. It will be fantastic to have control of the reset button.

Particle Accelerators

Not Just for Understanding the Universe



CAMERON SOLTYS
1A MECHANICAL

Particle accelerators are well known for their part in the making of groundbreaking scientific discoveries. The Large Hadron Collider, for instance, is famous for proving the existence of the once-elusive Higgs-Boson particle. But these synchrotrons, as they are often referred to as, can be used for much more practical applications, such as improving engine efficiency or discovering new masterpieces.

In 2008, researchers used the X-rays emitted from the particle accelerator at the Advanced Photon Source near Chicago, Illinois, to study the performance of fuel injections systems for combustion engines. Until this experiment, there was little data on how the fuel cloud released by fuel injectors

behaved, because visible light was reflected by the droplets while x-rays from traditional sources such as medical devices were too weak to produce a high quality image.

The team at the Advanced Photon Source measured the x-rays entering the engine, and those which reached the other side. The differences were indicative of the distribution of fuel in the cylinder, so using the data from their highly-sensitive recording devices the researchers managed to produce extremely high quality images of the gas cloud.

The experiment is already yielding results. For instance, the images show that fuel injectors suck in corrosive waste gases from the cylinder as they close, which could effect their life-span and long term effectiveness. Manufacturers are now using this revelation to make better, more efficient fuel injectors.

Another novel, and perhaps more innovative, use of the X-rays from synchrotrons has been helping to discover lost masterpieces painted by Dutch post-

Impressionist artist Vincent van Gogh. Due to his abject poverty, van Gogh would often paint over his paintings to save canvas. While previous attempts were made to reveal the hidden paintings using medical X-rays, the resulting images were low in quality and monochrome.

But by using the X-ray emissions from the Dorris III particle accelerator in Hamburg, Germany, a team of museum curators, physicists, and art historians managed to

create a detailed, coloured image of a peasant woman hidden under "Patch of Grass." The team hopes that this same technique can be used again to reveal more lost paintings, and to authenticate other possible van Goghs.

The possibilities with particle accelerators are endless. Even as bigger and bigger synchrotrons are built to push forward our understanding of reality, the smaller ones are helping in their own ways to make the world a little better, or a little more beautiful.

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Point vs. Counterpoint


POINT

Should the government subsidize Renewable Energy R&D?


COUNTERPOINT

NANCY HUI
3B CIVIL

Although it is tempting to leave renewable resource research and development in the invisible hands of the free market, it is insufficient to properly achieve a sustainable hold in the energy industry.

In theory, cancelling government subsidies for sustainable energy research and development would be more efficient: it would reduce taxpayer burden, transfer the financial burden of science into the private sector, and allocate funds more effectively based on demand.

However, the renewable energy industry is currently not as feasible nor profitable as traditional nuclear generation or fossil fuel extraction, and is seen mostly as a niche product for holier-than-thou sustainability yuppies. How would this attract backing from the private sector? Sustainable energy research and infrastructure requires large amounts of capital, which investors are usually reluctant to donate. We can see a similar investor bias in startup culture: do you ever wonder why software startups get all the buzz? Angel investors are more interested in supporting small software-based startups because there is less financial risk involved. Meanwhile, nobody is offering to take up Elon Musk's hyperloop design because it costs too much money. Similarly, who today would volunteer funds to build an experimental wind farm or research paving highways with solar panels? Even a large company is unlikely to find this kind of research immediately lucrative.

One might argue that eventually the cost of renewable energy will exceed that of oil, such that it would be more financially advantageous to fund sustainable energy initiatives instead of pay-rising costs for limited supplies of fossil fuels. However, that would pose an undue burden on consumers: the point where the costs of the energy types become equal is likely to be extremely high. It's like delaying action against global warming: why wait until consumers can actually feel the pinch of elevated temperatures (or fuel prices) instead of acting proactively?

Speaking of proactive investment, how often does the private sector prioritize our collective future over quarterly profit? If that were the case Wal-Mart would raise

the wages of its stockpeople and cashiers so they could actually make a living off of their menial jobs, but clearly human collectivism is the stuff of science fiction movies. It is foolish to leave renewable energy development to the whims of the private sector.

Not only is it important to begin developing renewable energy now before the eve of the impending oil crash, but subsidies can also be used to reduce the price of renewable energy. This serves multiple purposes: reduced prices can help the renewable energy industry gain a hold in the energy market and fund future development independently, and also help consumers by exposing them to similarly priced options to non-renewable energy.

Furthermore, renewable energy is not the only subsidized industry: for example, Canadian milk farmers, Canadian film projects, and the Canadian Space Agency (CSA) are all heavily subsidized by the government. But nobody singles them out for criticism. Even Harper's conservatives approve of funding small business owners. In fact, the federal government might even be lauded for supporting domestic agriculture, funding local artists, and building the Canadarm. Subsidizing renewable energy is no different: subsidies are useful in funding struggling startups and employing Canadians.

Subsidies are not only used for industry projects, but for research too. If you're applying for grad studies, you've probably heard of NSERC. It would be a crushing blow if you heard your own field of study was suddenly at a disadvantage for acquiring funding now. One could argue that investing in renewable energy now has few immediate applications, but honestly, most academic studies are years from real-world implementation. Limiting research funding to immediately profitable projects would drastically limit the field of proposals and stifle innovation. It would also totally wipe out the CSA, quantum physics, and treatments for rare diseases.

Proponents of removing energy subsidies have too much faith in the free market to fulfill the needs of its consumers.

In summary, it's unfair to single out government sustainable energy subsidies for cancellation when many other forms of research, development, and commerce

with minimal immediate profit or application also rely on government aid to compete domestically. Waiting until we are financially forced to study renewable sources of energy poses a greater burden to consumers than planning for the development of future energy sources post-peak oil.

It is widely accepted that conventional energy sources are in need of improvement and reform. However, renewable energy has yet to break through the market as dominate energy providers even with generous government subsidies. Renewable energy technology is unreliable and does not meet current energy needs. While the cost of all energy production is subsidized in Canada, special treatment is given to renewable sources.

Energy utilities in Canada are purchasing energy from renewable providers at a premium compared to the current market price. Through the Feed-In Tariff (FIT) program, different levels of tariff are set for electricity from various renewable sources. This means that the Ontario Power Authority will pay different rates for energy depending on its renewable source. According to the OPA FIT price schedule for 2014, it is willing to pay 11.5¢/kWh for energy from on-shore wind projects while paying 29.1¢/kWh for energy from solar projects. The program arbitrarily awards subsidies to different technologies, instead of according to their cost-effectiveness. In contrast, Ontario households currently pay 7.2¢/kWh during off-peak times. There will no doubt be an increase in energy prices as the Ontario energy mix shifts towards renewable sources. Europe is a perfect example of this. Since 2008, electricity prices have raised just under 20% for households and just over 20% for businesses, according to Eurostat, because of similar programs.

In addition, wind power tends to be produced at times when it is least needed. According to a 2013 study by the Fraser Institute, eighty percent of wind power generated in Ontario is so far out of phase with demand that the entire output is surplus and is exported at a substantial loss. The conservative study estimates "that the province has already lost close to \$2-billion on such exports." Moreover, wind and solar facilities are generally built in

KEVIN LIANG
4A CHEMICAL

rural and remote locations, far from peak demand. The long transmission distances further increases electricity costs.

The Ontario Green Energy Act, introduced in 2009 by former premier Dalton McGuinty, promised to create 50,000 jobs. However, it was reported by Jim McCarter, Ontario's former Auditor General that only 30,000 jobs were created with a large majority belonging in construction, lasting only one to three years. Furthermore, McCarter noted that, "studies in other countries have shown that for each job created through renewable energy programs, about two to four jobs are often lost in other sectors of the economy because of higher electricity prices."

Utilities across Europe began closing fossil-fuel power plants because they were less profitable than the highly subsidized renewable energy producers. This included the closing of 50 GWs of gas-fired plants, which is making a huge entrance as the next viable energy source in North America. The intermittent nature of wind and solar power generation means that buffers such as on-off gas plants are required to meet grid demand.

In a twisted fate of free market economics, the EU issued a call for reform to high subsidies for renewable energy on November 5, 2013. The press release called for more "back-up capacities for renewable energy, mostly fossil fuel energy which is produced when there is no sun or wind." The communication also stated that financial support for renewable energy should limited to what is necessary.

Energy subsidies undermine the working of the free market and should be eliminated for all sources to ensure that the best and most efficient energy provider wins out. The supply and demand for energy should determine the price of the commodity. It is clear that government intervention in an area this complex has unpredictable results. Even with the rising cost of oil and the falling cost of renewable energy, there is still doubt that wind and solar energy will ever reach grid parity in the long term. Regardless of any government incentives, this will only happen with the technology is ready to supply what the market demands.

Thoughts on PEOSC

ZACH WATERFIELD
2N ELECTRICAL

Two weekends ago was the annual Professional Engineers of Ontario Student Conference (PEOSC) held by York University. Waterloo Engineering took eight delegates, with both VP Externals. This is an annual conference run by Engineering Student Societies' Council of Ontario (ESSCO). This conference is a place for brilliant engineering minds to share ideas and reflect on current engineering issues. The goal of this conference is to aid in the professional development and success of student leaders by featuring industry professionals, renowned keynote speaks and professional development workshops.

The theme of the conference this year was "Engineers Changing the World", and to go along with this theme there were many industry professionals on hand to speak and share their experiences.

To start off the conference roughly 15

delegates were taken to a lunch at Queens Park, hosted by PEO. During this lunch we heard the MMP for Scarborough Soo Wong. Soo Wong is the Parliamentary Assistant to Brad Duguid, the Minister of training Colleges and Universities and also holds many positions on different committees throughout the provincial government. She is a very strong advocate for healthy living for her patrons as she is a trained nurse and her talk about all of her advocacies was very inspirational.

Saturday was by far the best and most informational day of the conference. There were 8 speakers in total, and I have to say, it was the best line up of speakers at a conference I have ever experienced. There were three speakers that really stood out for me. This first one is Jim Gray; he is a Senior Associate for Sussex Strategy, which is one of Canada's leading government relations firms. He is an accomplished speaker, writer and presentation skills coach. He spoke on presentation skills and ways to improve

your presentations and his ability to engage an audience is astonishing.

The second speaker that really stood out was Jackie Lee, she is by far the most successful and accomplished person I have ever met. Jackie is a grad of Waterloo and currently runs a company named 'Recruit my Friends' of which she is the founder of. Recruit my Friends is a leader for Engineering Recruiting for new and recent graduate engineers as well as coops in the software industry. With a team of 50 Engineering Talent Managers, she refers engineers through a network of connections to start-ups across Toronto, Vancouver, New York, Boston and Silicon Valley. Jackie invests in many companies around North America and is a very goal driven person. She is striving to be the world's youngest female Billionaire. She was a very inspirational speaker and I will definitely be following her from now on.

And finally there was Drew Dudley. This guy is amazing; he is a speaker that talks about Leadership Development. The things

that set him so far apart from most speakers at a conference like this is his ability to make the audience laugh. He has so many jokes and funny stories packed into his informative presentation that makes the experience so much better. He shares real world experiences that made him who he is today.

I would recommend anyone reading this article look up all three of the speakers I have talked about, they all have amazing stores and inspirational lives.

Then came Saturday night, for the Saturday night event we went to Second City, a comedy club/theatre. It was an absolutely hilarious show and was an amazing pick by the organizers.

Overall this conference was a very rewarding experience. I would like to thank Dean Sullivan for helping fund the trip for the delegates and our VP Ex's Leila Meema-Coleman and Kristina Lee for taking our 8 delegates. I would also like to congratulate York University on a great job planning the conference.

Fall Break Survey Results



YASSER AL-KHDER
PRESIDENT

So this is it. My 20th and last exec report in the Iron Warrior. Well then, let's get to it.

Hey Everyone!! The term's coming to an end, and soon we will be writing exams trying to prove that we actually learned something in the past 3 months.

If you read my report last issue, you'd know that there are talks of implementing a 2-day break in the fall term. You'd also know that we released a survey to see what you guys think of this idea. Well, I'm here to tell you about the results of the survey.

First of all, I want to say thank you to everyone who filled out the survey. We got over 2000 responses!! TWO THOUSAND!! We had a good

distribution over the disciplines and the graduating year of the students who responded, so I'd say it's a pretty good sample.

The majority of the students think a break would be a good idea, with 66% of the responses saying that they would like a reading week, and 65% - 75% said that a fall break would help them academically, and improve their mental health. Also, 65% of you said that a fall break would help the first year students.

"Great!! The students want it!! Let's get to it!!". Well it's not that simple, imaginary student I created just to make point, for two major reasons.

If you read/filled out the survey, you'd remember a questions stating that those two days have to be rescheduled somewhere in the term. Otherwise we might not meet the accreditation requirements, and the professors will not have enough time to complete what they have to teach. So we asked you where

would you reschedule those two days. The top three answers were starting O-week two days earlier (32%), at the end of the term pushing back the start of exams (22%), and eliminating two days from O-week. The first two options are tough to implement (think about ending exams on the 24th of December), leaving us with shortening O-week as the most viable solution. Funnily enough, a lot of you commented NOT to shorten Frosh Week. So we definitely don't have consensus there.

The second reason came from the comments. I was bored...I mean dedicated enough to go through every single comment from that survey. The one thing that stood out is how much first years were for the idea because of the amount of schoolwork they have. I don't know about you, but taking two days off in the middle of the term may not solve the problem. One of the comments called it "a Band-Aid solution to much bigger

problem, and I'm inclined to agree with that comment. Perhaps the solution is not simply giving the students a break in the middle of the term. Maybe we need to review how students are treated here, especially in first year.

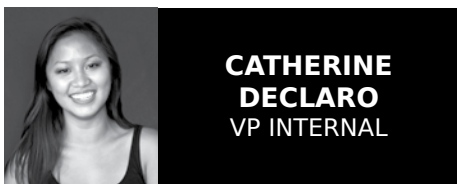
So what are we doing next? Well, we're presenting the results to the Dean and see what comments she has. But more importantly, we want to push forward with another survey and ask a bigger, more important question; how can we improve students' mental health?

Well that's all I have. It's been a pleasure representing you guys for the last 32 months. Honestly, it'll be a huge relief. But I have a feeling that after the sense of relief I'll start missing it like crazy.

Allyson Francis and her executive will be your exec for the next 16 months. I am very excited to see what they will do.

Thank you,
Yasser.

Peace Up! B-Town Down!



CATHERINE DECLARO
VP INTERNAL

Well B-Soc, it has truly been a pleasure serving you as VP Internal! Last week was a more reflective article, which in hindsight probably would've been better to use for this issue... oh well! They don't say #yoloswag for nothing!

Last week I encouraged all you to get involved (or at least try it!) and one of the best ways to start is by running a directorship! Applications will be

opening very soon. If you're looking to take up a leadership position, get more involved in extra-curricular activities, or have an idea for an event or service that you think could benefit undergraduate engineers, you should apply! Directors work with the executives and commissioners to run specific events and services. Some of the directorships include:

- Santa Claus Parade
- Resume Critiques
- Year Spirit
- TalEng
- EngPlay
- Athletics
- Music (i.e. Coffee House)

- Outreach

For a complete list of directorships, you can check out the EngSoc website. If you don't see something you like, feel free to suggest an idea for a new directorship.

On that note, I'd like to use the rest of my report to say a few thank yous!

Thank you to all my lovely directors who have kicked ass this term (and the winter term as well)! Honestly, you guys did everything and I just sat back and watched it all happen. Thank you so much for being so passionate and doing an amazing job running your directorships.

Thank you to Mat Tremblay, my

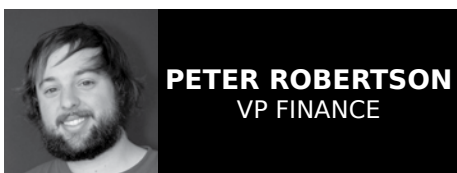
current Student Life Commissioner and the incoming VP Internal! You've been so helpful this term, and I love that you're always looking for more ways to help out. You're going to do a fantastic job as VPI J

Thank you to my amazing team of execs! I've learned so much from working with you and am so happy we ended up together. You were always supportive, challenging, and put in so much to improve the engineering student body's experience.

Anyways, to all you engineers, I wish you all the best with your exams and whatever next term brings!

We out.

Final Update



PETER ROBERTSON
VP FINANCE

At the final EngSoc Council Meeting of the term last Wednesday, Council approved the allocations seen in the table below as proposed by the ECIF Committee. There were no changes made to what the Committee recommended. The items that show \$0 as a proposed cost did not specify what the cost would be. POETS Renovations is purposely a broad item so that any renovations that are required may be completed. This will likely include such things as a new projector,

replacing light switches that don't function properly, repairing the fridge behind the bar, as well as anything else students suggest needs doing. If you have any suggestions on what could be repaired in POETS, please contact us at vpfinance@engsoc.uwaterloo.ca.

As we are now approaching the end of the term, my duties as VP Finance are coming to an end. I leave you in good hands with Melissa Ferguson and I'm sure she will do an even better job than I have. If you have any questions regarding the finances of the Engineering Society please stop by the Orifice and talk to either myself, the ASoc VP Finance Kevin McNamara in the Winter, or Melissa next summer. We want to hear from you!



KRISTINA LEE
VP EXTERNAL

This past weekend was the National Conference on Women in Engineering (NCWiE) hosted by the University of British Columbia (UBC). There were two full days of sessions with four main focus areas: Diversity, Careers, Outreach, and Communication. Attending the conference were seven delegates representing the Waterloo Engineering Society who were able to meet and network with over 150 engineering students from across Canada. The conference offered opportunities for



Fownes Brewing

You can still win one of these Movember Patches!

delegates to discuss ideas from the four focus areas during sessions. The Chairs of NCWiE did a fantastic job of showing off what the West, and Vancouver, has to offer.

Movember is almost done but alas, there is still time to donate! Keep your eye out for the Movember auction where you could win a Movember patch to add to your collection. A big thank you to the two Movember Directors who have spent their time taking photos of moustaches and making hot chocolate!

Global Engineering Award

What's your story? Here's an opportunity for you to win one of three prizes of \$5000, \$3000, or \$2000. All you need to do is share your story about what you want to accomplish with your engineering degree and showcase it in a 2-6 minute video.

This is my last IW article as exec. Thank you everyone and it was an amazing experience representing you and running Outreach programs!

Title	Proposed	Allocated
Upgrading EngPlay flats	\$ 222.40	\$ 222.40
Electrical Plug extension in upstairs POETS	\$ -	\$ -
Expansions for Settlers of Catan	\$ 56.95	\$ -
A Pony Mask for Every Engineering Student	\$ -	\$ -
Hanging Dowel outside Novelties/POETS	\$ 150.00	\$ -
Teleconference Enhancement Proposal (POETS)	\$ -	\$ -
EngSoc Financial Software Upgrade (Sage 50)	\$ -	\$ 1,450.00
Board Games	\$ -	\$ 300.00
POETS Renovations	\$ -	\$ 7,027.60
TOTAL	\$ 429.35	\$ 9,000.00

Waterloo Engineering Society

Finalized ECIF Committee allocations for the coming term.

Fall 2013 WEEF Update

HIMESH PATEL
WEEF DIRECTOR

As the Fall 2013 term wraps up, it has been another eventful term of WEEF allocations. This term, we had \$244,412 of proposals and \$60,000 to give out. I would like to thank all the Class WEEF reps who came out to the two weeks of meetings as they spent numerous hours to figure out the proposal allocations. The Funding Council deliberated for over 3 hours (with a dinner break) trying to figure out allocations with 15 faculty proposals, 25 student team proposals and a smattering of miscellaneous proposals on the table. In the end, they finally came to a decision which met the 70%-30% department-student team split. This funding will be very beneficial to provide equipment for the departments and resources for the student teams as they continue their success.

To all that have received funding, congratulations and be sure to check your emails and the WEEF website (weef.uwaterloo.ca/proposals.php) early December for the results of the allocations. The Funding Allocations will be approved by the Board of Directors on Tuesday, November 26th. To those that did not receive

funding, we would like to thank you for submitting a proposal, but sadly not everything can be funded. I encourage you to apply next term during Winter 2014.

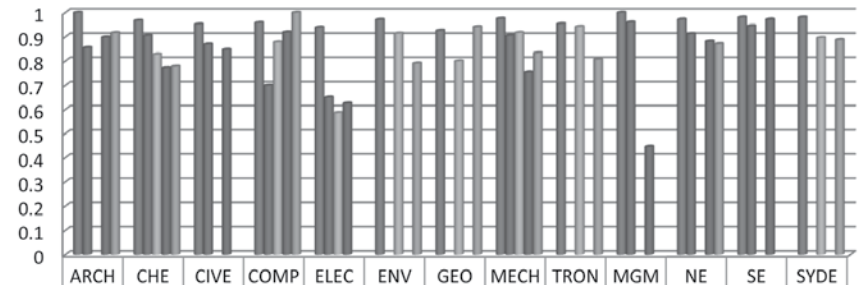
Looking at the participation rate, congratulations to the 1A Architecture and Management Engineering Classes for having 100% Participation Rate, with an overall rate of 87.45%! I am very pleased with the continual donations by the undergraduate students of the Faculty of Engineering. Your contributions help fund numerous initiatives and WEEF would be not possible without you guys so make sure to view the Funding Allocations to see the results of where the money is being spent.

Last on the agenda is to say good-bye. Although it was short-lived, it was a fulfilling experience here at the WEEF office. I've learned many things and had the great opportunity to be a part of something very substantial to the Faculty of Engineering. Thank you to my assistant directors for all the help. I wish Steven Buckley all the best as he continues my work as the next WEEF Director.

If you have any questions, feel free to email weef@uwaterloo.ca and always remember, WEEF IS GOOD!



WEEF Donation Class Percentages

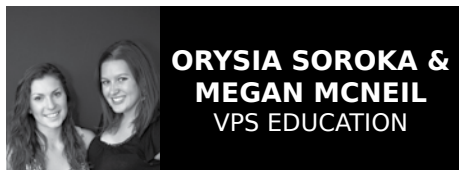


	ARCH	CHE	CIVE	COMP	ELEC	ENV	GEO	MECH	TRON	MGM	NE	SE	SYDE
■ 1A	1	0.9673	0.9521	0.9581	0.9392	0.971	0.9259	0.9751	0.9536	1	0.972	0.9803	0.9802
■ 2A	0.8551	0.9053	0.8691	0.7	0.65			0.9057		0.96	0.9126	0.9449	
■ 2B		0.8276		0.8778	0.5862	0.9143	0.8	0.9175	0.9421				0.8961
■ 3B	0.8986	0.7713	0.8469	0.9194	0.625			0.7529		0.4464	0.8812	0.972	
■ 4A	0.9167	0.7778		1		0.7907	0.9412	0.8333	0.807		0.8706		0.8875

Waterloo Engineering Endowment Fund

1A Architecture showed 100% WEEF donation participation.

Goodbye



ORYSIA SOROKA & MEGAN MCNEIL
VPS EDUCATION

Hi Everyone! This last article is bitter sweet, and will be the last one I will ever write to you as VP Education. My term has come to an end, and Permeg

Kenth will be your new B-Soc VP Ed. I am very excited and confident that she will do a great job representing the student body on all of your needs. I am sure you will find out a lot more about her once she is on term, but she is extremely approachable and friendly, so do not hesitate to contact her at the same VP Education email, vpeducation.b@engsoc.uwaterloo.ca

Before my term is up, I have a few more tips I have some last pieces of advice I would like to share with you. For your next term, make sure you check the exam bank for practice midterms. There were many submissions this term and I strongly recommend you check it out to help you prepare for your exams. Also, never hesitate to email Permeg or any of the exec if you have questions! We learn

a lot from your suggestions; feedback and questions, and faculty employees are always interested in hearing student opinions.

Good luck on final exams everyone! And have a great break before your coop term begins.

PEACE.
Meagan and Orysia,
Vice Presidents Education

GRADUATE DIPLOMA IN BUSINESS AND ENTREPRENEURSHIP

Are you completing your MEng degree?
Are you entrepreneurial?
Do you want to combine your engineering degree with some practical business skills?

COME TO CONRAD WHERE YOU WILL:

- » Take 6 courses towards your diploma in business and entrepreneurship
- » Develop your business skills
- » Learn how to take your ideas to market
- » Network with entrepreneurs, business owners, and mentors
- » Combine your technical skill with business acumen

COURSES INCLUDE:

- » Marketing Management
- » Project Management
- » Entrepreneurship and Innovation
- » Management and Leadership
- » Introduction to Financial and Managerial Accounting
- » Operations and Supply Chain Management



Two courses in the winter term are now open for enrolment:

BE 600 MANAGEMENT AND LEADERSHIP (0.50)

This course provides students with the opportunity to develop a range of soft skills and the business acumen necessary to maximize the likelihood of business success. Topics include communication and interpersonal skills, leadership, and negotiation skills. A range of applied approaches are used, including integrated cases, simulations, and interaction with the local business community. MEng and GDBE students.

BE 601 INTRO TO FINANCIAL AND MANAGERIAL ACCOUNTING (0.50)

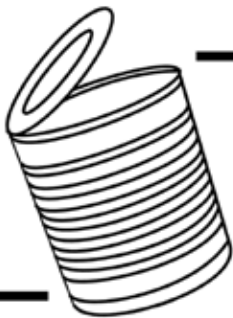
The course introduces students to the core elements of financial and managerial accounting. Specifically, the course objectives are to 1) assist managers to become proficient at interpreting numbers in financial statements and assessing their usefulness for business decisions, and 2) assist managers to understand the vital role that internal accounting information, or management accounting, plays in making better planning, organizing, controlling, improvement and compensation decisions. MEng and GDBE students.

FOR MORE INFORMATION ON ADMISSIONS AND HOW TO APPLY: UWATERLOO.CA/CONRAD

WATERLOO | ENGINEERING



THE TIN SOLDIER



ADSLKTAMNZ;XVD;LASF

SOMETHING SOMEWHAT MORE COHERENT



This morning I had a bagel. MM, bagels.



NASA

I don't even know.

Canadian Hero Joins Waterloo Music Program

MERRY MINSTREL
E# MEDIEVAL STUDIES

Time to start those vocal warm-ups and restring those guitars, the great Colonel Hadfield is coming to Waterloo's Music Program! Chris Hadfield, the famous ISS Commander, has been described as a Canadian hero, bringing pride through to many Canadians across the globe. His endeavors has landed him not only in the hearts of many Waterloo engineering students, but also in the hearts of many Waterloo music students! No one can doubt the unparalleled skills of this legendary Canadian. After all who can boast performing David Bowie's Space Oddity out there in space itself?

This is not the first of Hadfield's involvement with the University of

Waterloo. Looking back now on that space-to-ground downlink the University had with a smiling Chris Hadfield up in the ISS, we think it would've been even more awesome if he performed a little performance for us! We are however very happy with the series of insightful and interesting videos up there floating in YouTube. If you haven't seen the videos yourself, you need to get yourself to a computer of some sort and watch a few! We especially recommended the unbelievable Space Oddity cover which we mentioned earlier and Chris Hadfield's duet with the Barenaked Ladies and the Wexford Gleeks of "I.S.S (Is Somebody Singing)".

There is no doubt about Hadfield's ability to take music to a whole new level and will definitely revolutionize the way Waterloo's music program is run. Waterloo

will certainly be the first University in the whole world to have a professor in its music program that will teach guitarists out there how to keep their guitar plectrums handy and how not to lose them! After all, Chris Hadfield had to deal with guitar picks threatening to float away from him while onboard the ISS. Hadfield's in-depth of knowledge of physics will certainly be a great asset to those taking any Recording & Music Production courses on campus. For those of you who don't know, this man had his own recording space up on the Space Station! Surely his knowledge of dealing with those pesky acoustic and microphone placing problems must be superior to anyone out there!

Chris Hadfield's coolness factor is certainly out of this world. The Canadian hero made a point to be noted by all

performers out there: the stage isn't limited to this world, it goes out there to the stars, out there in space! Once again diving into the treasure trove that is YouTube, one does not simply realize how cool Chris Hadfield is until you have seen all of his music-related videos out in space! This man not only brought a guitar to space but even had a series he hosed out on the ISS called "Music Mondays". There's nothing cooler than a Rockin' Canadian Astronaut in outer space.

The University of Waterloo is extremely excited to see this Canadian hero join the school as one of its professors. The music program will be brought to new heights, the possibilities are endless. Forget about the sky being the limit for this extraordinary man proved that even space itself can't stop music from reaching beyond!

Google's New Satellite A Mystery

CLARK.
3A SYSTEMS DESIGN

Technology giant Google Inc. has begun construction of a massive satellite in geosynchronous orbit above Sydney, Nova Scotia. Google has not yet revealed a purpose for the satellite, which has been given the nickname "the Goon."

The secrecy with which Google has shrouded the project has drawn some

criticism, especially since the satellite began growing exponentially in size. Since the first pieces were launched last month from a previously-unknown space centre in Moscow, Idaho, the Goon has grown to nearly one tenth the size of the moon and shows no signs of slowing down.

As rockets bound for the Goon continue to launch, there has been a global public outcry that Google should give

at least some indication as to what they plan to do with the satellite. However a spokeswoman for the only authority in a position to request answers, the UN's International Telecommunications Union, claims that they had no legal right to do so. She told the New Zealand Herald that "two things are needed for an organization to [obtain an orbit]. They need need to request the orbit, and then fill it within a reasonable amount of time. Google has

met both these criteria."

While there is still little information about the purpose of the Goon, speculation has run wild. One of the most popular theories is that the satellite is a large data centre, which will get its power from the tidal forces between itself and the Earth, and cool itself using icy comets that become trapped in orbit around it. Others suggest that the Goon is nothing more than a publicity stunt.

The Misappropriation of "Nerd Culture"

PUSSY RIOT
3B PURRFECTIION

The vast majority of the population has never used a programmable calculator before but that doesn't stop them from calling themselves "nerd" whether implicitly or explicitly. I'm lookin' at YOU, T-Swizzle, and YOU, who matched the Star Wars prequel trilogy once, and YOU, who can't even be bothered to figure out how to write your name in Sindarin Tengwar by first principles but still got your "serenity" in "elvish" on your arm. I hope that tattooist wrote "lembas" instead. "Nerd" used to be a term of social disgrace, and now our culture is subject to both marginalization and misappropriation

I blame Big Bang Theory for its portrayal of academics. Non-nerds subject us to exotification: look how trendy their

glasses are, look how quirky they are, look how exotic their whiteboard work is. As if polite society would ever accept engineers amongst the ranks of the elite. Do you notice that most members of the federal government have a background in law or business or politics? Real nerds are OPPRESSED by artsies. They misappropriate our language: who uses "troll" to denote a convincing yet deliberate inflammatory comment anymore? They misappropriate our dress: big glasses and "geek" slogan shirts. This is our culture, not your costume! Mostly they misappropriate our work and turn it into cheap memes, sensationalist news articles, and hollow declarations that you "fucking love science."

Well, no, fuck you. You don't love science. Take your arts privilege and fuck off.

EIC Pockets 5 Dollars from IW Funds

BEDGY5ME
2Z HYPOCRISY

After the fiasco in the past month with 750,000 going missing, the University of Waterloo has ordered an audit of every business entity that resides within campus. After this 2 week long audit, it has come to light almost every penny was accounted but there was some money that is unaccounted for from the Iron Warrior Engineering Newspaper financial books. The amount was a large sum of \$5 dollars, taken and used by the Editor in Chief to supply his addiction of Arizona Ice teas. Due to the nature of the crime, the EIC was given academic probation as well as a fine of \$500 charged by the courts.

Currently, the EIC is filing for an appeal because the severity of his punishment for this crime is unjust for he has no current priors but they have been denied. The basis for this judgment is they cannot allow such crimes to esca-

late. According to the judge, "it may be the \$5 dollars now, what's stopping them him to take another 5, 10, 20, or even hundreds more dollars spent on this sweet addiction. You do get the drift but is this fair or unfair but still an even darker truth has arisen.

The EIC is not who he actually he said he is. After a deep investigation into his background, in actuality, the EIC is a KGB sleeper agent and the theory is that he was assigned a 20 year mission to gain knowledge and insight into the Canadian Culture, infiltrate the government and steal states secrets. This has caused alarm bells to go off at parliament hill and Harper is accusing Russia and cutting all ties to them accordingly. The agent is being currently held in Guantanamo Bay, which the Americans have happily provided access to in order to question and gain more information. So remember, trust no one, even your closest friend may not be who you think he/she is.

LETTER FROM THE EDITOR

Writing at Three in the Morning



I JUST WANT 6 HOURS
ZZZZZZZZZZZZ

When one is too tired to write a joke editorial, what does one do? Instead he just finds random pictures of dogs on the internet. And this is how this tired editor (who is actually writing this

at four, not three) stumbled upon the magical world of shibe and super shibe. And promptly detested it. But how can he stop? *How can he stop?* Such confuse. So not sleep. Many sadnesses.



knowyourmeme.

I actually hate this meme so much. You don't even know. Much mad.



u/shootingstarr

Hue...IN SPACE! (This is not a blatant attempt to fill space)

TIN SOLDIER

Ellen Page Fan Club

Doge
WHEN WAS THE LAST TIME YOU GOT SLEEP?

Pony Pit
Maggie Maclean
Rainbow Dash
Pinkie Pie
Applejack
Elliot Cass

Shibe
Many Confuses
So Manies
Wow

Formatting issues everywhere
Re
start
what is wrong?

Download
Pussy Riot

Go Ahead and Touch
Trish Not-Below-the-Belt

Homeless in Harvard
Young Lisa !

Future Day in the Past
Shadowcat

We Must Go Deeper
Dominick Cobb
Arthur
Saito
dne
Robert Fischer
Maurice Fischer

Assorted Junk From Last Time
Out of Ideas

Honorable Mention
TOPZ ILL MISS YOU!!!

The Tin Soldier is not a forum for thought-provoking and informative articles, and has no association whatsoever with the Society of the Travelling Pants. Views expressed in *The Tin Soldier* are not those of the authors and do not necessarily reflect the opinions of Chuck Norris.

The Tin Soldier encourages submissions from students, faculty and members of the Non-Existent Action Committee. Submissions should reflect the concerns and intellectual standards of the The Society of the Travelling Pants in general. The author's name and phone number should be included, except if they are non-existent. This information may or may not be posted on our website.

All submissions, unless otherwise stated, become the property of *The Tin Soldier*, which reserves the right to refuse publication of material which it deems too suitable. However we're so desperate for content that we'll likely take it (but we might just send it to *Imprint*). *The Tin Soldier* also reserves the right to edit grammar, spelling and text that do not meet university standards, but engineers suck at english so it's a low standard.

Mail should be addressed to PJ Katie, c/o YTV Canada, P.O.Box 7500, Paris, Ontario, N2L 3W7. We do not currently have a phone, however you may redirect all inquiries to Kickoff's, as we're likely there. We don't have a fax number as no one uses faxes anymore.

Switchblades They're Still Sharp



They're pointy, they're sharp, they may or may not be serrated and they can certainly be fun to play with! That's right we're talking about knives in the Tin Soldier issue of Hit Replay! However, we're not just talking about any kind of knife. This is not your typical butcher's knife for your beefy needs or your happy crack-that-coconut machete-of-the-exotic! No, we're talking about switchblades, of the Pony-boy, Sodapop & Darry from The Outsiders type. The type of hot blades that you'll find in the middle of a Greasers vs. Socials type of gang fight, or perhaps your typical everyday carry for a hardcore biker. These lovely knives have made a comeback and are trending once again!

Switchblades have that magical characteristic of flipping open at the touch of a switch or button (hence "switchblade"). Typically they are spring loaded folding or

sliding knives. The blade is housed in its handle and upon the release of the mechanism, flip or slide out and lock in place. The blades themselves are usually made of different alloys depending on required use or strength. The handles themselves vary in material greatly from the classic wooden handle to the more modern glass-filled nylon or anodized aluminum handles.

The earliest switchblades date all the way back to the mid-1700s. The first folding spring-loaded blades were used for bayonets on flintlock pistols and coach guns. These were the type you'd see in old wild-west movies or a la Assassin's Creed 3 type heists. It was in the 19th century that these knives gained popularity in the market. The American Civil War saw to the mass production of pistols equipped with spring-operated knives. By 1890 these knives stuck with people (both figuratively and literally) and sales continued to rise. It wasn't until 1892 when a man named George Shrade, developed and patented the switchblade knife design which we would come to know as the modern switchblade. The next century, as many know cemented the place of switchblades in the pockets

and hearts of many.

So why are switchblades so special? Well maybe because they're illegal to carry around, and paraphrasing the Canadian Criminal Code: "a knife that has a blade that opens automatically by gravity or centrifugal force or by hand pressure applied to a button, spring or other device in or attached to the handle of the knife" and something else along those lines. Anything illegal tends to catch people's interest, for better or for worse. Another reason tends to be the all so great magic of Hollywood and of course books! How often have we seen some cool, biker gang member sport a road-worn switchblade and have it out right before a brawl? It's also not hard to notice that switchblades have a certain allure to them, with their durable steel blades, fine handles, and notoriously devious instant flip-open action. They're just begging to be held in your hand right?

Surely with the return of switchblades to the scene we'll find ourselves in potentially pointy predicaments! So stay sharp and keep on the look-out for these little beasts! Never know when you'll find yourself face to face, with one.

Potty Parity We Demand It



The male washroom facilities in CPH are more extensive than the female washroom facilities. There are approximately 4 urinals, 3 sinks, and 3 stalls in the male washroom on the third floor, and only 2 sinks and 2 stalls in the female washroom. Furthermore, females take longer to use the toilets. Now, the gender disparity in engineering might mean that only 20% of my class are women, but what does this mean for future students? How welcoming does it look when, on the floor plans, they notice how inadequate the female facilities are in comparison to the male facilities? It's an awful example of the propagation of the uneven gender split in STEM. I recommend tearing out the bathrooms and installing marble tile, plush velvet couches, toilet paper made of silk, and basin-style sinks for both genders.



openmarket.org



oddballdaily.org



beehiveblog.net

Don't mess.

My Little Pony Muralists Win Prestigious Art Award



ELLIOT CASS
4A FINE ARTS

Coming as a surprise to many, the QNC muralists infamous for plastering the whiteboard-walls with pictures of characters from the children's cartoon My Little Pony have been awarded the prestigious "Aristotle Award" from the KW Art commission. Commission director Umar Musad said the murals were selected due to their "unparalleled ability to induce a sense of great pathos". When the spectator observes these works which

took hours to compose, inspired by a television program targeted towards young girls who play with popular pony dolls, "it is the artist, and not the subject, which is depicted. And no work in recent memory can compare to how tragic and somber this depiction is."

Admirer though he is, Musad describes himself only as a "weekend Brony," unable to commit to the performance art which many have begun practicing. "Sure, every now and again I like to get my hands dirty, bust out my fedora, and perform street art, but I lack the courage of some of these full-time artists. I once attended a 'meetup' where we went to Toys R Us and purchased My Little Pony

dolls. It was some of the greatest work I've ever done and I keep that Pinkie Pie in my office, but it was very emotionally draining. By the end of the experience I was so depressed that I had to abandon my plan to start a fanfic blog. It was just totally exhausting." Although Musad's relationship with Pinkie Pie is strictly academic, he said that an artist he met on his excursion had chosen Twilight Sparkle to be his "waifu". When asked why this gentleman in particular was not given the Aristotle, Musad said "although I admire the depth and intensity of his personal work, the public is honestly not ready for it. I don't think I was. But rest assured, he is among the muralists recog-

nized in this year's selection."

One might expect it to trouble Musad that these murals are generally erased within a day, but according to him, "the institute actually felt that their impermanence was what cinched the win. Therein lies the subtle hope in this work. Like the mandala which reminds us that all is impermanent and to not hold onto even that which is beautiful and took painstaking effort, these murals remind us that even life's most tragic realities are also impermanent."

Although the artists themselves were initially interested in commenting, they later declined after realizing that it would necessitate being in direct sunlight.



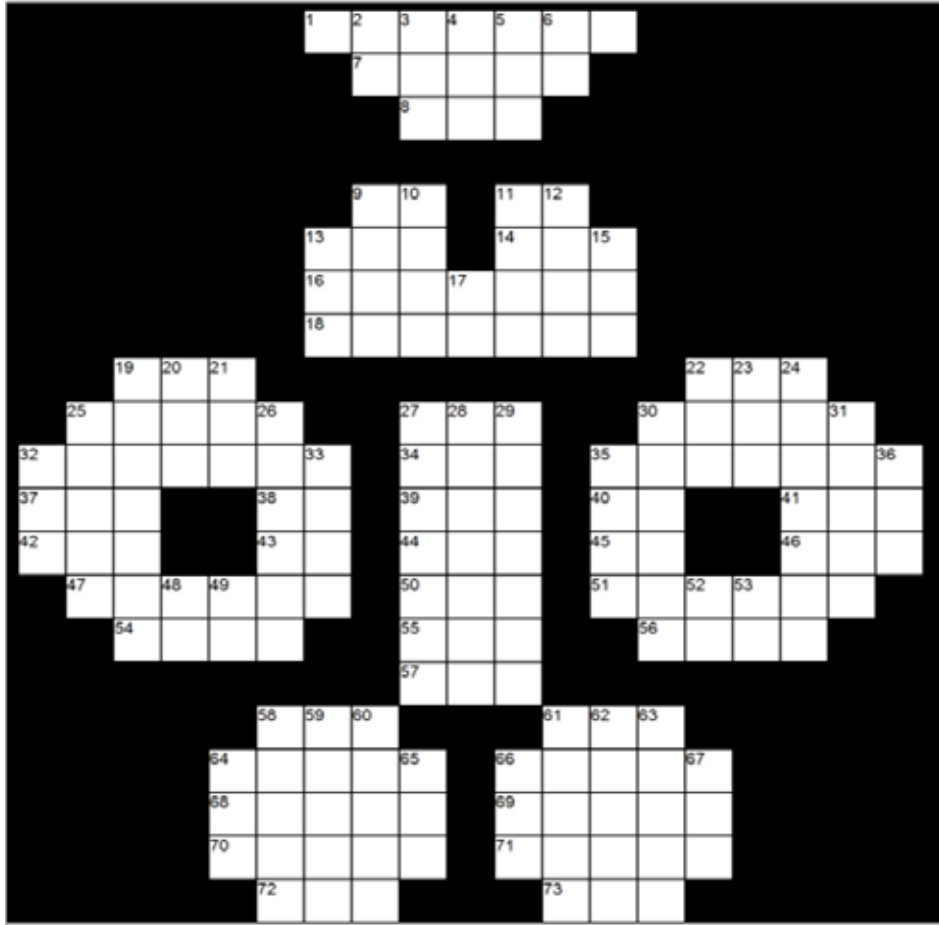
Hasbro Studios

WHY ARE THESE TOP SEARCHES FOR 'PINK' AND 'TWILIGHT'????

Does Tin Rust?

What does that have to do with a crossword?

PUSSY RIOT 3B PURRFECTION



71. Fry with fat
72. Kitten noise
73. Insult in verse

DOWN

2. Like
3. Accountant (abbr.)
4. Plea
5. Before
6. Thulium (abbr.)
9. Person in charge, e.g. of a department
10. Stereotypical tropical tree tree
11. Two, together
12. LaBoeuf
13. Parent/teacher group (abbr.)
15. US language for deaf (abbr.)
17. 51, in ancient Rome
19. Deformation that will return to original shape
20. Function str__
21. Foreign Agricultural Service
22. Fallen tree trunk
23. Between east and northeast (abbr.)
24. Origins
25. Bawls
26. Baby bottle tip
27. Office worker's personal space
28. Ignorant
29. Capital of Ontario
30. Lean cut of chicken
31. Rag
32. "Your," speaking archaically
33. Not false
35. Constellation __ Major or __ Minor
36. Noise made by small dogs
48. Scale note before fa
49. Tech support department (abbr.)
52. CA city
53. Emergency room (abbr.)
58. Witch hunt location
59. Green Nickelodeon award substance
60. Bend in the arm
61. Organ producing gametes
62. Boredom
63. What a gamer does to a dead body
64. Not good
65. Mortal transgression
66. Possesses
67. Type of bread

ACROSS

1. The Scottish play
7. Largest type of toothed whale
8. Grow older
9. Horsepower (abbr.)
11. Afterthought on letter (abbr.)
13. Princess irritant
14. Eureka!
16. Totals in groups of five
18. Very high rank in the navy
19. Santa's helper
22. Walking limb
25. Use mop or broom
27. Use scissors
30. Dr. McCoy's nickname
32. Toronto __ Commission
34. One card game?
35. Importance requiring swift action
37. Not hers
38. US island territory (abbr.)
39. Where one gets a stiff drink
40. Email subject prefix (abbr.)
41. Era
42. Still
43. Plutonium (abbr.)
44. Letters from __ Jima
45. Book of Samuel (abbr.)
46. Tree fluids
47. Like a metaphor?
50. Able to
51. Unconscious abed
54. Reference
55. State of the __
56. Sticky black organic substances
57. Zodiac lion
58. Between SE and S
61. Hair styling product
64. Used in tennis and lacrosse, but not badminton
66. Moral integrity
68. Excuse that places one elsewhere during crime
69. Bother
70. Hellish denizen

S***.

Empty Space.

BLADRUAGLH 3D COHERENT SENSE

adsfqrwoiu aldfkrae klzcfdsri kaklerx iezxgfahg asdurzgf-flkj dfgsgsdgoug sggab,.sgkjlsgou sdfg,ntwasfl;jgsdgkjhasfjsgdgoiu slja;s fdgjsdnsa;kjgitremnsdg.,nasf;kjds gput ;lskdjgt,m.nasdk;j oiu asf klj ;lasgh alskf ,.amnf;ruewdfsgskljdasklrw zmnzf;lskfj / Tkl. mak. hasdfkljats,mklfas. asd kxfm k lasfl;kjagslh mxgvn msdn. ApparentlyIliketostartgibbersishwithanA, adsr;l uasdg kasue jasfgbx jasuekxvbj sbdnfdk-jasklra dfg. ksfut .j.snmndfsgndsg;sdgkjsg. jsdnf m,sbgdfs n / ... Ok this gibberish thing isnt really working. Let's switch back into regular words. This is what happens when you screw up line spacing. This is also what happens when you screw up line spacing. This is why it's important not to screw up line spacing, or else you get some really awkward columns, like this one, except this one was supposed to be intentional, and normally columns are not supposed to be intentionally screwed up.



littlebigfun.org

PACEFAWING POLAR BEAR!!!
(This may or may not be the same spacefiller as was used in the last Tin Soldier. Does that make you want to go check? I hope not.) I'm also trying to break a record for longest caption. I probably won't make it though. Give me a minute to check in the book of records... Oh wait. It's not there. **THIS MIGHT ACTUALLY WORK.** Or not. Might as well keep going, but I'm sure there are longer captions out there. Only Two more lines needed... Can I make it? Can I -

"I AM BUSY BUILDING A BRIDGE OUT OF STICKS. IT IS NOT GOING WELL. ERGO I AM TOO BUSY TO MAKE A QUESTION. COME UP WITH ONE YOURSELF."



"If A Tree Falls in a Forest, does it make a sound?"
Old and tired, 1A Overused



"How does one get out of an outhouse?"
Help I'm stuck in a toilet, 2C Help



"What is the most effective way to soul?"
Better Jokes, 2A Humour



"(A)"
3A What?



"No way, you're stuck in here too?"
Lighting up in a toilet, 4E Resigned



"WHY DO PEOPLE STILL LIKE ADVICE ANIMALS?"
Cuban Pete, 3B Rumba Beat

EngHack Success!

Continued from Page 7 at ENGHACK

students Seikun Kambashi, Scott So, Jessica Wu and Andy Zhang. This app allows Waterloo students to conveniently access their WatCard balance and transaction history to help them keep track of their money.

In third place was Outbreak, an iOS and Android app created by 2A Mechatronics and ECE students Karym Kawambwa, Nv Bhargava, Sunaal Philip Mathew, and Prateek Madhikar to act as a supplement to the infamous Humans vs. Zombies on campus. The signup process is completely automated, notifying new players of their status as a human or zombie, and the interactive map allows players to view their teammates' positions (Humans can see

humans, zombies can see zombies), safe zones, and game challenges in real-time. Tagging is also incorporated with barcode scanning, converting humans into zombies with cool sounds and visual effects.

Other highlights include WatNotes, a site with access to class notes, previous midterm and final exams submitted by classmates from the University of Waterloo ([.watnotes.info](http://watnotes.info)); a working Facebook-triggered shock bracelet for the easily distracted; TedWalks, an app that gives you the shortest indoor path between any two buildings on campus to keep you warm and safe from geese (<http://skoushan.com/tedwalks/>); an amazingly addicting bloons app for iOS; and a longest-path-finding robot to beat you at Tron.

Stay tuned for another hackathon next term!

uwDNA Team at Biomod

RACHEL PAUTLER
UWDNA TEAM LEAD

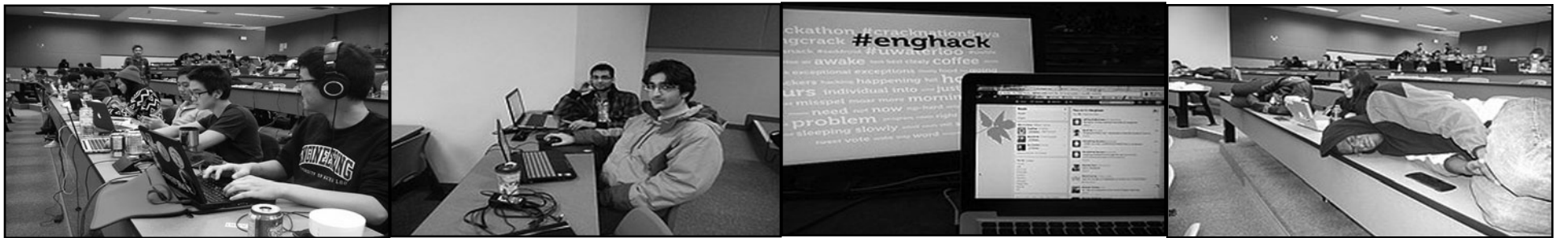
The University of Waterloo Designed Nanoscale Assembly Team (uwDNA) competed in the International Biomolecular Design Competition (Biomod) on November 1 as the only Canadian team. This was the first time the team had gone to competition, and exceeded expectations for a new team by being awarded a bronze project award.

uwDNA was formed just over a year ago with the goal of creating a student team focusing on the biological applications of nanotechnology. The team's current project involves the use of a self-assembled DNA triangular walker, which can bond to three nanoparticles. This nanomanufacturing

system can be used to connect nanoparticles that would not normally be able to be combined. This has a broad range of applications, but the application being focused on is cancer imaging. With a combination of nanoparticles, the DNA walker will selectively bind to the cancer cells and provide high contrast images of tumours.

For next year's competition, the team plans on extending the DNA walker project to add different nanoparticles to each vertex, with applications such as Boron Neutron Capture Therapy or drug delivery. New projects are also being investigated such as DNA single electron transistors, or nano-pores for DNA sequencing.

For more information about the team, check out their website <http://uwdna.ca/>.



EngHack this term was a rousing success.

Clarisse Schneider

An Update from the Wild West



It's been hard to keep up with all the late-night, quality hockey that's been going on thus far this season. Here is a brief summary to bring you up to speed on all you need to know about the wild, wild Western Conference.

As it stands, the defending Cup champions, the Chicago Blackhawks, stand atop

the conference and the league with 34 points. St. Louis has gotten off to a phenomenal start, right on the heels of the Hawks'. This is hugely thanks to the fiercely good play of forwards Alexander Steen and David Backes, but the play of D Alex Pietrangelo and goaltending of Jaroslav Halak (12 wins to date) are certainly not to be overlooked. Overall, the Blues have really come into their own as a team. Expect them to continue their winning ways down the line—the real test will be the playoffs, as they will likely face teams with recent playoff experience.

San Jose and Anaheim are right behind

the Blues. The Sharks have had a strong team throughout the past several seasons. In spite of their excellent season records, San Jose has generally become significantly weaker come playoff time. If they can get through to the playoffs, don't rule them out of going deep in the postseason. Anaheim suffers from much the same problem, having been narrowly beaten by the Detroit Red Wings in seven games in the first round last year. Though they won't face the Wings this time around, rest assured that equally dangerous competition will be readily available, as will some seriously exciting hockey!

Colorado, Phoenix, Minnesota and LA are knotted up at 32 points apiece. Colorado has certainly been a pleasant surprise this season and LA is certainly always dangerous. Phoenix and Minnesota have several talented players each and could just easily appear in the playoff picture. It's all going to depend on how the teams cope with the long road ahead.

With competition this tight, even a short losing streak could kill a team's playoff hopes—and reawaken those of another. If you're not on a school term or if your favourite team is in a hole, take advantage of the excellent Western late-night hockey!

How to Pull an Allnighter



Assignments are due, deadlines are approaching, finals are imminent; and you've slacked off all term. That's OK because this article will help you through it. With extensive experience in cramming and all-nighters (that's how I got to fourth year), I am going to layout the steps to take when it's crunch time.

The first step of pulling an all-nighter is procrastination. There are endless ways of achieving this. Facebook, Youtube, Reddit, video games, Breaking Bad marathon, cook extravagant meals, play sports, clean your house, catch up on all the web comics. Everyone has their own vice but when you pull an all-nighter you need to procrastinate even more than usual. If you do not complete this step, you will fail. You would have already completed your assignments and finished studying. The added pressure of upcoming deadlines is what makes all-nighter so effective. If there is no urgency, there is no motivation, and necessity, for an all-nighter. Believe it or not, there are people who have made it through a Waterloo Engineering education without having to go through the trial of an all-nighter, and they've done this by avoiding step one like the plague.

Once you've completed step one, deliberately or not, you need to know

what you need to know. Try to collect as many resources as you can to complete that assignment or study for that exam. This includes getting notes for lectures you've missed, assignment solutions from the solution manual or classmates, and help from other procrastinators. Working with fellow all-nighters will help motivate you and keep you from being distracted. Try to concentrate on specific tasks that need to be completed by morning. Attainable and measurable goals with a time limit are ideal, the more specific the better. For example, set a goal of completing a chapter an hour and make adjustments if you can't keep up with that rate. If you've missed out on a lot of class, you might feel that you need to study the entire course; I've found it best to start at the end of the course. One of the hardest parts of studying for a course where you missed the majority of the lectures is to know what topics to cover. Most engineering and math courses build on material from the week before. Starting from the end of the course will tell you know what you don't know. There will be certain concepts that you will not fully understand until you have the base knowledge first. When this happens, move back a chapter. Through this method, you will cover the more advanced topics first which will make understanding the simpler concepts easier.

You should also be rewarding yourself by taking frequent, but short, breaks. It's nearly impossible to study for an entire night without a break, so make sure to

work that into your schedule. I follow the 50/10 rule: work for 50 minutes, rest for 10 minutes. This technique works because it breaks up long study sessions into more manageable 1 hour chunks. Covering an entire course in a single 8 hour session might seem like a daunting task when viewed from afar, but this technique breaks up long study sessions into more manageable 1 hour chunks. Fifty minutes is an acceptable amount of time for uninterrupted work and a ten-minute break is just enough to restore your drive. It is just as important to only work for the scheduled amount of time as it is to take the scheduled amount of time off. The 50/10 rule works because it allows you to take a break before you feel burnt out and feel like you deserve a really big break from all the hard work. During the 50 minute study period, you are not allowed texting, eating, or Facebook, in fact anything not directly related to your studies is forbidden. It's not too hard to hold out on these things for 50 minutes. You can also combine this technique with your goals where you complete a specific task during each study period. Using this technique, the night just flies by.

Sometime in the early morning, usually right when the sun comes up, you might experience a second wind. You've fought through an entire night of sleep and it is now around the time when your body usually wakes up. Your circadian rhythm is a very powerful mechanism that dictates your sleep cycles. However, the second

wind is usually quickly followed by "the bonk" or "hitting the wall" in the early afternoon. It is very easy to take a nap at this point but try your best to not give submission. This seemingly harmless nap will destroy your circadian rhythm having you wake up in the middle of the night. Do not go back to sleep until the night. Some people make the mistake of allowing themselves only 8 hours of sleep after an all-nighter, but you've accumulated sleep debt. You'll need at least 12 hours of sleep to recover from the all-nighter and reset your circadian rhythm. A quick recovery from an all-nighter is arguably even more important than the all-nighter itself. After trying so hard to get caught up, you don't want to miss more class.

If you do end up finishing your work in the early morning with enough time to sneak in a quick nap before the exam, sleep with your lights on. Again, it is important to keep your circadian rhythm synced with the rising of the sun. Closing all your blinds, turning off your lights, and ridding your entire room of light will prepare your body for a full night of sleep when you can't spare the time. If you have less than 4 hours to sleep, sleeping with the lights on will ensure that you do not over sleep the exam.

All-nighters suck, a lot. So make sure you only use these tips when they are absolute necessary. If you do have to pull one, just do it - but always remember that the first step towards an all-nighter is lots and lots of procrastination.

The Warsaw Climate Change Conference



NINA FENG
2A ENVIRONMENTAL

LEAFY THOUGHTS

The 2013 United Nations Climate Change Conference just wrapped up in Warsaw, Poland. Like too many environmental conferences with a heavy political/economic presence (so just about all of them), little in terms of tangible conclusions and plans were made. The meetings marked the 19th annual Conference of the Parties (COP 19), formed after the United Nations Framework Convention on Climate Change (UNFCCC), an environmental treaty from 1992. It also served as the 9th meeting of the parties involved in the 1997 Kyoto Protocol, from which Canada was so infamously removed by the Harper government in 2012.

The negotiations highlighted the differ-

ences between richer and poorer countries, especially in the wake of Typhoon Haiyan. Discussions for a measure to compensate for natural disasters, in the form of a fund to be delegated according to need, were conducted. It is often developing countries who contribute the least to environmental problems who end up being affected by it the most. A push for discussions on a climate change compensation for such countries has been an issue for many years, with few results. The Green Climate Fund (GCF) was established in the UNFCCC in order to transfer monetary aid from developed countries to developing ones, to help in imposing adaptive infrastructure, architecture, and mitigation processes in order to help combat the effects of climate change. However, as the majority of the money (roughly \$100 billion/year by 2020) would most likely come from the richer countries, those countries have subsequently proposed less substantial alternatives to the plan. It

was hoped that the GCF would be capitalized with the discussions of in COP 19, but little headway was made in the financial discussions.

The hefty disagreements and lack of progress set the stage for acts of civil disobedience amongst many of those present in the decision-making process. Filipino delegate and climate negotiator Yeb Saño imposed a hunger strike upon himself for the duration of the COP, in solidarity with those who were suffering in the Philippines from the typhoon, in an attempt to facilitate meaningful discussion. He was since joined by environmentalists of several nations and faiths, American students, European activists, and members of various organizations. The pressure was added when Wael Hmaidan, president of the Climate Action network, joined in as well. Despite this, countries like Australia were still stubborn in avoiding financial commitments, resulting in the delegates from 132 developing

countries walking out during discussions for the loss and damage compensations in protest. Furthermore, when the last day of negotiations came around and things still weren't looking up, several environmental organizations such as WWF, Friends of the Earth, and Greenpeace also walked out. It is hoped that 2014 will bring more dialogue, and that enforceable regulations can be established by 2015.

Overall, the goal of the conference (and all other COP conferences for that matter) is to reduce greenhouse gas emissions. UNFCCC executives hope to ensure that peak emissions occur in this decade and that humans achieve zero net emissions in the near future. Environmental legislation that is both binding and enforceable is crucial in guaranteeing a quality future for human beings and the entire planet. However, it still seems like money disputes and economic gain will always stand in the way of solid decisions in the environmental area.

Marketing Yourself



ELIZABETH SALSBERG
2A NANOTECHNOLOGY

THE NETWORKING ENGINEER

It seems fitting to wrap up this term's column with an overview of the most important part of your networking and job searching self. After exams, consider these tips on how to go about marketing yourself before your next job search, be it a co-op placement or a permanent, full-time position.

The first key element is being able to market yourself to yourself—after all, nobody knows you better than you do. Figure

out what skills and experiences you want to share with your prospective employers. Have some interests and hobbies ready to go, or any other special skills to separate you from those thousands of other job seekers. Although you may have a wealth of experience and skills to choose from, remember that employers are often only after particular skills or experience in more specific positions—so choose carefully and be comfortable presenting and elaborating on your choices.

Once you know which of your experiences you'd like to market, the next step is customizing your resume. Naturally, you will have different resumes for the each of the skill sets you are trying to market. For

example, you may have a resume geared towards research positions and perhaps one for computer programming-related positions. Again, try to 'personalize' your resume for each employer if you can. This may be difficult if you are firing off resumes like torpedoes, but it is definitely worth it. To save time, be smart and just change up the very first section. If an employer is clearly looking for a specific skill, make sure to put that first. Briefly mention related experience at the top as well, if applicable. This makes the employer want to keep reading—and hopefully call you for an interview.

LinkedIn is another useful tool for marketing yourself. Even if you are currently in a position you are happy with, it never hurts

to let the Internet do some job searching for you. Your LinkedIn profile should look as much like your resume as possible. Of course, you can add all of your experience and skills, etc. you don't have to restrict your profile for a specific employer since you don't know who could be looking. Twitter and Facebook are okay too, just use them wisely and keep it professional. Joining interest groups on these sites is another good way to go. Sharing your knowledge and expertise in these groups or forums not only helps others, but for all you know, a recruiter just happens to be in that group as well.

These basic marketing strategies should help get you started. Good luck in your next job search and see you all next term!

Pea Coats

Threads from the Past



VINCENT MAGAS
2A MANAGEMENT

HIT REPLAY

Being classy is always a hit. Whether you're in the roaring 20s, the swinging 60s or the grooving 80s you can be sure to find some gentlemen and ladies out there with superb class. This issue's Hit Replay touches upon a lovely item which has found itself travelling through time and staying true, classy and of course keeping you nice and warm in the cool autumn chill. That's right, the one and only iconic pea coat, whether you're out there looking for something to wear on a more formal occasion or simply trying to stay warm, this is the perfect choice!

The pea coat, has been around for more than 200 years first appearing in the early 1700s. This iconic jacket was first worn by sailors and naval troops across Europe. Known as "reefers" the coat was designed for sailors who climbed up riggings and lines of sailing ships. The coat was also adopted by the US Navy from the Royal British Navy which brought it to the Americas. It was in the 19th Century that the coat gained more popularity among the general public. A famous tailor trade magazine in England called the Tailor and Cutter popularized a variation of the pea coat known as the "Prince of Wales Jacket". The coat sported the same characteristics of the 'reefer' pea coat but altered it for everyday city or town use. It was made of softer and more comfortable material, and was made

to be more aesthetically pleasing. The pea coat became very popular and inspired many other classic coats which were mainly worn by men of the 19th century. Casual loungewear for men, especially of the upper classes, included the pea coat.

In the next one hundred or so years the pea coat remains virtually the same, with minimal variations between different manufacturers and tailors. Originally pea coats

only appeared in navy or midnight blue. Nowadays it is common to see them in a variety of colours. Often characterized by broad lapels, the double breasted fronts also sport large buttons (made from a variety of materials ranging from plastic to wood). The coats also have vertical or slash pockets found near the middle of the length of the coat. Originally the coats were made out of heavy wool to keep sailors warm whilst out

at sea, but as time went on pea coats were made from a variety of materials.

In recent years the pea coat has made a resurgence in fashion. It's simply a classic, and it's trending once again! Just take a walk outside the cool fall weather and see how many men and women out there are sporting pea coats. It's no surprise that these are back considering they offer practicality, look great and keep you warm!

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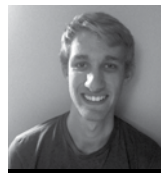
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My Favourite Songs and Albums of 2013



ALEX TOTH
3B CHEMICAL

ALBUM OF THE WEEK

Since this is the last issue of the Iron Warrior, I think that it would be apt to run down the list of my favourite songs & albums of the year. The rules I set for myself were only one song per artist allowed, and the album or song had to be officially released within the calendar year. Below are my two lists, with write-ups for the both the top ten albums and songs. I'm sure that anyone who reads this will disagree with more than one thing on the list, so feel free to leave comments on our website.

My 25 Favourite Songs of the Year

Honourable Mentions: Birds – Death Grips, Hood Pope – A\$AP Ferg, Royals – Lorde

25. Bugatti – Ace Hood ft. Rick Ross & Future
24. Wake Me Up – Avicii ft. Aloe Blacc
23. Feds Watchin' – 2 Chainz
22. IFHY – Tyler, the Creator ft. Pharrell
21. Why'd You Only Call Me When You're High – Arctic Monkeys
20. San Francisco – Foxygen
19. Control – Big Sean ft. Kendrick Lamar & Jay Electronica
18. You're Not Good Enough – Blood Orange
17. Getting Sodas – The World Is a Beautiful Place & I Am No Longer Afraid to Die
16. Comrade – Volcano Choir
15. Song for Zula – Phosphorescent
14. Dream House – Deafheaven
13. Overgrown – James Blake
12. Here Comes the Night Time – Arcade Fire
11. When a Fire Starts to Burn – Disclosure

10. Do U Right (Bo Peep) – Shlohmo ft. Jeremih

Although most people only know Jeremih for his smash hit "Birthday Sex," he sneakily released one of last year's best mixtapes with *Late Nights with Jeremih*. That tape delved deep into the indie R&B sound made famous last year by the likes of the Weeknd and Frank Ocean. Although we are still waiting for the follow-up to that tape, this year he teamed up with bass producer Shlohmo to create a gorgeously creepy late-night anthem. Jeremih's falsetto meshes perfectly with the off-kilter drums and minor key synthesizers to create his best stand-alone song yet, "Birthday Sex" included.

9. Bugs Don't Buzz – Majical Cloudz

Although the band name sounds like a weirdo rap group, Majical Cloudz is a duo from Montreal that deals almost exclusively with sombre piano ballads. They released their debut full-length this year, and this is the best cut from the very good album. "Bugs Don't Buzz" starts with crashing piano backing the lyrics "The cheesiest songs all end with a smile/This won't end with a smile, my love" and spirals downward pretty quickly from there. The narrator and his lover are cockroaches in the apocalypse, among other things, until the song crumbles into electronic noise and a glimmer of hope appears: "The happiest songs all end with a smile/This may end with a smile, my love."

8. Sunday – Earl Sweatshirt ft. Frank Ocean

Earl's debut full-length, *Doris*, had a uniform aesthetic: murky, depressing, and dark. And although that worked nearly perfectly, the one song that broke the mold was the album's best. Earl is in typical sad-sack form, bemoaning his inability to connect or

care about the world around him and realizing that you can't alter your perception of reality with drugs forever: "My dreams got dimmer when I stopped smoking pot/Nightmares got more vivid when I stopped smoking pot/Loving you's a little different/I don't like you a lot." But then that great guitar line breaks through the clouds and Frank Ocean emerges, rapping instead of singing. He's coming back to handle business, namely to set the record straight on his altercation with Chris Brown (of course Brown used homophobic slurs): "Forgot you don't like it rough/I mean he called me a f*****/I was just calling his bluff." He's in Staples with his Grammy's talking to adoring fans, Brown is dealing with community service stemming from his felony. It probably took a while for Brown to figure out the meaning of the song, and I can't see him ever creating a meaningful rebuttal.

7. Too Much – Drake ft. Sampha

Drake raps best when he's angry, as he's proven again and again on songs like "Stay Schemin'," "Pop That," and "5AM in Toronto." And now you can add "Too Much" to that list as well, except this time instead of taking aim at rivals and haters, he's chosen a topic closer to his heart: his family. He feels that he's being distanced because of his fame, that his mother has settled on his money and refuses to continue with her life. He performed in on *Fallon* before *Nothing Was the Same* was released, and he actually prefaced it with an apology. This is Drake's most personal song, and also his most relatable, which is saying something when he spends most of the time on his albums pining over lost loves. Sampha provides the perfect amount of melody on the chorus to make it one of the most poignant songs of the year.

6. Instant Crush – Daft Punk ft. Julian Casablancas (of the Strokes)

Wait, didn't he say that there was only a one song per artist rule? Doesn't that mean "Get Lucky" won't be on this list? Is he willfully rejecting it because of its ubiquity this year? The answers to those questions are: yes, yes, and 2 Chainz and Avicii are already on this list (and Lorde was damn close) so that argument holds no water. I truly feel like "Instant Crush" is a superior song. It is simultaneously the best Strokes song since "12:51" and my favourite Daft Punk song since "Digital Love." The robots run Casablancas through both their famous vocoders as well as the signature tinny Strokes-filter to create a gorgeously longing melody that hangs forever over those chugging guitars. And when that chorus hits I dare you to resist the urge to dance. "Get Lucky" be damned, this should've been the jam of the summer.

5. The Mother We Share – CHVRCHES

The debut song on CHVRCHES debut album, "Mother" is also the purest distillation of the perfect synth-pop CHVRCHES deals with. Lauren Mayberry's vocals soar effortlessly overtop of the swelling synths, the chorus is the catchiest thing you'll hear all year, and the whole song pushes into arena rock territory without a single guitar. Mayberry's voice is crystal clear in every sense of the phrase, and even if what she's singing about doesn't make much sense, you're absolutely compelled to keep listening. And then listening again, and again, and again.

4. Chain Smoker – Chance the Rapper

"Chain Smoker" perfectly encapsulates Chance the Rapper's M.O. in a glorious four minutes. He sings in his nasally voice, syllables tumbling over each other like he might never have another opportunity to get them out. He sounds drugged-out and perfectly

clear-headed at the same time, with the production spinning and chattering around him to provide the ideal backdrop. He tosses perfect lines like "I seen the light, I lost my lighter/Bic flick, kick the habit and the bucket, f*ck your supplier" away like he could come up with ten a day. He sounds simultaneously like the 20-year-old he is, and a world weary traveller reaching the end of his journey. He's chain-smoking, good-looking, Frank Ocean-listening. This part right here? This part's his shit.

3. Hold My Liquor – Kanye West ft. Justin Vernon (of Bon Iver) & Chief Keef

Who would've thought Justin Vernon and Chief Keef would make such excellent duet partners? They play off of each other perfectly, with Keef playing the role of thoroughly anaesthetized conscious and Vernon the overarching narrator. In between, Kanye assumes the lead role of the drunken and broken man, slowly swerving into oblivion. It's incredible to behold.

2. Hannah Hunt – Vampire Weekend

"Hannah Hunt" contains the most arresting moment to happen in music this year, which is saying quite something considering Vampire Weekend have a rather buttoned-up and reliable reputation. The song starts off quietly, with some bass plucks and Ezra Koenig whispering about his travels from "Providence to Phoenix" ostensibly with the eponymous Hannah. As they move across the country, they meet clairvoyant preachers, grow homesick, and grow tired of each other. Then, after two and a half minutes that contain enough detail to fill an entire book, Koenig lets loose: "If I can't trust you then damn it Hannah/there's no future, there's no answer/though we live on the US dollar/you and me, we got our own sense of time." The first time I heard it, it stopped me dead in my tracks. It's truly a transcendent moment on an honestly transcendent album.

1. Play By Play – Autre Ne Veut

Purple Rain is my favourite album of all time, and maybe that's the reason this song ended up on top. Autre Ne Veut channels his inner Prince, slowly inching his falsetto louder and louder, higher and higher. He holds off on the climax, pitch shifting his voice around and around until the song can't be contained anymore. And when it breaks, the floodgates really open. He spends the last two and a half minutes of the song wailing "I just called you up/to get that play-by-play, by play, by play" realizing that he has somehow found this year's most perfect melody, and instead of choosing to use it sparingly, cycles it endlessly while the listener looks on in awe. After it finishes, you'll be physically exhausted by the sheer hugeness of it, but I can bet you'll put it right back on again.

My 15 Favourite Albums of the Year

- Honourable Mentions: The 20/20 Experience – Justin Timberlake, Wolf – Tyler, the Creator, Cupid's Head – The Field
15. AM – The Arctic Monkeys
 14. Woman – Rhye
 13. The Bones of What You Believe – CHVRCHES
 12. Reflektor – Arcade Fire
 11. Settle – Disclosure
 10. Overgrown – James Blake

9. Doris – Earl Sweatshirt

Who would've thought that the same person who built their name on rapping about extreme violence and reprehensible actions would make the most depressing and self aware album of the year? Earl is one of the deftest wordsmiths in the game, and *Doris* is full of endless labyrinths of assonance and internal rhymes. Take this line

from "Hive:" "Desolate testaments tryna stay Jekyll-ish/but most n*ggas Hyde, and Brenda just stay preg-a-nant." There are triple entendres, made-up words, barely-there slant rhymes and this is just scratching the surface. But the reason the album demands repeat listens isn't the lyrical acrobatics, it's the straight-forward views into Earl's mind. He's spent much of the last two years in Samoa, insulated from the hype surrounding his upcoming album. And now, he's cracking under the pressure, not knowing where to turn. The opening lines of the album say it all: "Grandma's passing/But I'm too busy tryna get this f*cking album cracking to see her/So I apologize in advance if anything should happen."

8. Sunbather – Deafheaven

People spent the better part of the year trying to categorize this album: was it black metal? Shoegaze? Post-rock? A combination of all three with eight other buzzwords thrown in for good measure? Does it matter? Just sit back and let these seven tracks utterly consume you, because there is nothing else you can do.

7. Random Access Memories – Daft Punk

When this album was released, a lot of people were very upset. Instead of taking a step forward, pushing the envelope of what was considered possible with both 1999's *Homework* and 2001's *Discovery*, they seemed to have regressed. *Random Access Memories* saw the robots looking backwards into the 80s, even recruiting legends like Nile Rodgers and Todd Edwards to work on their songs. But then people looked a little closer, and they realized that Guy-Man and Rodanthony were looking forward, updating the sounds of the 80s for the current generation. And they were using all of the resources at their disposal to do it. RAM is the most expensive, luxurious, album of the year, and possibly of the millennium as well, and that allowed it to sound both human and alien, organic and meticulously assembled, an album which perfectly represents Daft Punk's influence on music.

6. Whenever, If Ever – The World Is a Beautiful Place & I Am No Longer Afraid to Die

Ask me in private, and I'll tell you this was my favourite album of the year. I grew up in the mid-2000s, when second wave emo bands like Fall Out Boy and My Chemical Romance dominated everything from the radio to edgy pre-teen iPods. Emo was my gateway into alternative music, and FOB and MCR still have a place in my heart (relisten to *Infinity on High* and you'll see my point). So you can imagine my excitement when emo made a comeback this year, with TWIABP leading the charge. They have all the parts: the nasally guy, the screaming guy, the off-key harmonizing, the huge choruses and equally huge guitar riffs. I loved every minute of it. Go listen to "Ultimate Steve" and tell me you don't miss "Sugar, We're Going Down" so much more than you already did.

5. Anxiety – Autre Ne Veut

Anxiety is the perfect name for this album. Arthur Ashin creates paranoid R&B music using hyperkinetic production and histrionic falsetto. His voice holds nearly none of the qualities normally associated with R&B, but he gets by on pure force of will. It sounds like he is on the verge of a mental breakdown on nearly every song, his head filled with demons that he can only release through singing. Take "Counting", which uses a warped children's choir for

Continued on Page 10

My Favourite Songs and Albums of 2013

Continued from Page 9

maximum alarming effect: "I'm counting on the idea that you'll stay alive." It's honest, it's visceral, it's frightening. It's an album built on pure catharsis, with Ashin managing to translate his feelings perfectly onto the record. He has managed to create the feeling that, if only for the duration of the album, the entire world is collapsing around you.

4. Yeezus – Kanye West

How much more can really be said about this album? It was Kanye West's boldest, bravest experiment. It simultaneously failed miserably and succeeded massively. He says it did everything he wanted, but something tells me he wanted more from it, a cultural shift that he would begin. He brought a giant Jesus onto the stage for his concerts. He used Confederate flags to sell his merchandise. You can tell he rushed it, it's short, it's messy, it's ugly, and it's a bigger and better statement than almost any other artist will ever make. In a year when all things were KANYE WEST, this was the most Kanye thing of all.

3. Nothing Was the Same – Drake

For about 3 weeks after this album was released myself and a few friends listened

to it exclusively. I don't mean like 75% of the time, I mean on repeat all the time without fail. It was the starting point for all conversations between us, and we quoted lines ad nauseum. It has already ingrained itself into my brain much like Take Care did in 2011, whether it's that "Started From the Bottom" video, that line about Courtney from Hooters, the Drakiest Drake line ever on "Furthest Thing" ("I hate that you don't think I belong to you..."), the lilting melody on "Come Thru," or even that stupid popping noise Jay-Z makes with his mouth on "Pound Cake/Paris Morton Music 2." Drake has become a centre of popular culture, for better or for worse, and has done it not by playing by the rules, but by bending them to his will.

2. Acid Rap – Chance the Rapper

Chance the Rapper came out of nowhere in 2013 and released the year's best rap album and also arguably the most purely enjoyable album I have heard in a while. Chance's style is freewheeling, reminiscent of Andre 3000, Lil' Wayne and most of all, fellow Chicagoan Kanye West. He alternates singing in his faux-jazz way with nasally rapping, punctuating nearly every line with his trademark adlib (IGH!). The production

is warm, soulful, drug-addled. Chance's thoughts are also the product of a spaced out mind, but he can be straight-forward if he needs to. When discussing the regrettable gun violence rocking Chicago on "Pusha Man/Paranoia", he has a sense of clarity uncommon for a 20-year-old: "I hate crowded beaches/I hate the sound of fireworks/ And I ponder what's worse between knowing it's over/And dying first." Or on the next track "Cocoa Butter Kisses," he's putting "Visine inside my eyes so my grandma will f*cking hug me." It's an incredible album, uplifting at times, and sobering at others. In a year where most hip-hop releases were uniformly angry, cynical and depressing, it was a breath of fresh air.

1. Modern Vampires of the City – Vampire Weekend

This album should've been called Out of Africa. I've been waiting to use that line for the entire year, and it really sounded better in my head, but it still rings extremely true. VW's first two albums appropriated the joyous sounds of native African music, much like Paul Simon's Graceland before it, and to much success. But Modern Vampires of the City is different. It draws influence from Africa, sure, but also from all around the

globe. The brief monologue in the middle of "Finger Back" summarizes the album perfectly: "'Cause this Orthodox girl fell in love with the guy at the falafel shop, and why not? Should she have averted her eyes and just stared at the laminated poster of the Dome of the Rock?" Why shouldn't they use gorgeously arranged music, obscure cultural references, and tangential metaphors to create beautiful and thoughtful songs about fear, death and uncertainty? Ezra Koenig was never much of a straight talker, and here is no different. But between the Modest Mouse shout-outs, Angkor Wat allusions, and long-winded and endlessly inventive metaphors, lines jump out at you. Maybe not the first time, or the second, maybe even a year or two afterwards. Take this lyric from the wondrously drawn out opener "Obvious Bicycle": "Oh you ought to spare your face the razor/Because no one's gonna spare the time for you." Lines like that make you stop and ponder; think about things outside the realm of the album. And they occur on every single song. MVotC may not be the most immediate album of the year, or even the most immediate of VW's 3 albums, but it already feels worn in, something that, ten years from now, I can sit down with again, and it would welcome me like an old friend.

Walls Can't Keep Me Out



NANCY HUI
3N CIVIL

Do you realize that whenever a nominally unpenetrable wall shows up in a movie, its perimeter is breached at some point during the movie? It's so predictable I don't know why they bother, though the siege drama that occurs after is usually extremely juicy.

Speaking of which, you know the Wall on the north border of the Seven Kingdoms in A Song of Ice and Fire? You totally know that it's going down soon.

World War Z (2013)

Loosely based on Max Brook's book of the same name, a zombie pandemic sweeps the globe. These ghouls are strong, fast, and smart. Gerry Lane (Brad Pitt), a former UN employee, is pressed into searching for the cure so that the American army will shelter his family.

First of all, the movie is nothing like the book. The thrill of the book was in sampling the heroics of a multitude of nations and relating their reactions to the zombie apocalypse to real-life global politics. However, the movie is a straight-up Brad Pitt vehicle, in which we get too much Brad Pitt as the designated messiah and too little of global events. Secondly, Gerry Lane's kids are the stupidest children in a disaster movie ever. They cry, they refuse to get out of condemned vehicles, they're useless.

World War Z is, at least, an entertaining zombie movie, albeit with bigger sets than the norm. This is best illustrated by a striking image from the trailer: zombies swarming over the massive anti-zombie wall of Jerusalem. If you delight in watching cities laid to waste, this is the movie for you.

Pacific Rim (2013)

Somewhere beneath the ocean, a transdimensional portal opens and colossal Kaijus come swarming out to attack coastal cities. Humanity unites to build mechas - Jaegers - to fight them. One Jaeger pilot, Raleigh (Charlie Beckett) is traumatized and quits the Jaeger program after the loss of his brother on a routine mission. But then the program is cancelled in favour of building walls to keep the Kaiju at bay, and he is called back by his former commander (Idris Elba) for a final stand against the Kaiju.

This movie is Godzilla meets Rocky with mechas. It was adorable. I enjoyed the development of Raleigh and Mako Mori's (Rinko Kikuchi) friendship, which, for a Hollywood blockbuster, refreshingly devoid of romantic overtones. Of course this was all overshadowed by the Jaeger-Kaiju battles themselves: equally surprisingly, they were not repetitive because each new Kaiju brought a new fighting style and skillset into the ring, which the Jaeger pilots would have to slowly discover how to beat.

Troy (2004)

Loosely based on the epic poem by Homer, Troy compresses the 10-year Siege of Troy

into a matter of weeks. A lot of people are killed and there is romantic drama. Brad Pitt plays Achilles, Orlando Bloom plays that foppish prince of Troy Paris, and Sean Bean plays Odysseus in one of the few roles where he is not evil or slated for death.

I just couldn't get into this mopey adaptation of Troy. Sure, the ancient Greek heroes did sulk, and throw tantrums, and exact disproportionate revenge. But they didn't mope about it so much! How can I believe that Achilles is the greatest warrior of his time when Brad Pitt quietly introspects at his sandals in every other shot? Am I really to believe that Helen of Troy (Diane Kruger), she of the face that launched a thousand ships, left her husband for Paris of all people because she wanted a regular ol' joe to settle down with? Troy fails to balance the epic and emotional components of the Trojan War, though it is full of attractive people and well-composed battle sequences.

Logan's Run (1976)

In the future, humanity lives in a domed city because the outside world is supposedly a polluted wreck. Overpopulation is prevented in the domed by killing everyone off when they turn thirty, though until then residents enjoy a life of unparalleled hedonism. Not everyone accepts their death with grace, though, and Logan 5 (Michael York) is charged with hunting down those who avoid their fate. However, a fateful encounter with a strange artifact and a strange woman (Jenny Agutter) forces Logan 5 to reevaluate the only life he's ever known.

As a sci-fi movie made pre-Star Wars, Logan's Run really shows its age. However that only adds to its entertainment value, and it sometimes ventures into a "so bad it's good" movie as it rifles through the relevant post-apocalyptic tropes and imagery. Except that unlike most trashy movies, Logan's Run is pretty good: there is actual humour, particularly in watching the hedonistic lifestyles of the domed city's inhabitants, and the idea of everyone dying at age 30 is somewhat unique amongst science fiction movies.

Final Fantasy (2001)

In yet another dystopian future, humanity lives in domed cities and is constantly under attack by alien "Phantoms." Scientist girl Aki (Ming-Na Wen) searches for eight spirit signatures, that when brought together, could defeat the phantoms.

I think that Final Fantasy was unjustly criticized after its release for computer-generated characters that ventured too deeply into "uncanny valley": the mysterious zone between the realistic and cartoonish where everything just looks wrong. I thought everyone looked fine: it's no different from a video game cutscene.

Graphics aside, Final Fantasy has nothing to do with any of the existing video games, and the plot, though rife with standard grizzled space marines, was decent. I particularly liked the way that the Phantoms were rendered and handled by plot, though their "life essence" mechanics were kind of cheesy.



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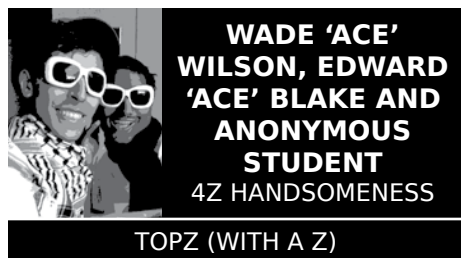
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Top Wayz to Conduct an Interview



**WADE 'ACE'
WILSON, EDWARD
'ACE' BLAKE AND
ANONYMOUS
STUDENT
4Z HANDSOMENESS**

TOPZ (WITH A Z)

Bad, news friends. Against all odds, Wade and Edward are set to graduate in five months, which makes this article our last column in B-Soc. Seeing as how we plan to pursue journalism in grad school, we thought it would be a good idea to do some exit-polling and talk to an everyman about Topz, the Iron Warrior, and the Engineering Society. As such, we tracked down our fan and sat down with him for an anonymous interview to get some clear, unbiased perspectives. Below is a transcript of our chat.

Hello Stuart, nice to meet you.

Uh... Hi guys... I guess it's been a couple hours since I saw you in class. Just to confirm, this is completely anonymous right? And am I getting paid that twenty bucks before or after the interview?

(laughs) You have to understand how seriously we take anonymity here at Topz (With a Z), Mr. Linley. Protecting the identities of interviewers and informants is of the utmost importance to unbiased reporting. Anyway, what do you make of recent allegations regarding EngSoc President Yasser "Sassy Yassy" Al-Khader smoking crack cocaine while consorting with Nano engineering drug lord, JT and his associated gang, The Power of Three?

What? I've never heard that. Ridiculous. Where's your proof? Besides, Yasser's policies and positions are what matter. I voted for him last time, and I'll vote for him again.

Interesting. So why are you trying to turn the Iron Warrior into an embarrassing rag of yellow jour-

nalism?

...I'm sorry? Uh... I guess the paper does yellow pretty quickly. I didn't mean to offend you.

Well you did. So, Stu, why do you read the Iron Warrior?

Well besides the relaxing colour that's easy on the eyes, I guess I get it for the inconsistent crossword submissions. That guy sure sometimes writes some okay crosswords. I also like the fun Easter egg hunt for errors in each issue!

No, we won't be publishing that at all. I guess what we're really getting at is: why is Topz (With a Z) the only column worth reading in this, for lack of a better word, trainwreck?

What? I think that the IW publishes some great articles relevant to student interest! I mean, it's not the greatest journalism, but it's excellent for a student paper. As for Topz, I can't exactly say that I'm a fan. Mainly because I'm not. I guess I just don't condone their immature and inappropriate behaviour. It really brings down the overall quality of the paper.

Oh, I see you mentioned the Iron Warrior's most popular and influential column, Topz (With a Z). So Mr. Stuart Linley, How do you believe that the reporting conducted by the ace journalists of Topz (With a Z) has contributed to improving student life at Waterloo?

I guess it's pretty popular... Sometimes it has okay advice, but last year my immediate family didn't appreciate receiving cash for Christmas as much as I was led to believe. Overall, in general, I think satire is pretty important for political transparency, I mean look at shows like the Colbert Report or organizations like The Oni—

Hold that thought, Stu-balls, we'll get back to your violent outburst against the conduct of the University of Waterloo's Engineering Society in just a minute. BREAKING

NEWS: President Sassy Yassy has just admitted to smoking crack-cocaine and purchasing illegal drugs while serving as B-Soc President. Furthermore, regarding lewd, cannibalistic comments made towards VP Internal Cat, Yassy was quoted as saying "I am in a happy bromance with Kal and have plenty to eat at home."

Wow, well that certainly sounds like an embarrassment for the University of Waterloo... but I don't want to focus on his personal life. He has always stuck by his policies, which as a member of Sassy Nation, I elected him for. Furthermore, what about the Feds President? Didn't he admit to smoking marijuana? That's basically the same thing, right? Drugs are drugs. And Sassy Yassy has always advocated zero tolerance on drugs.

Speaking of EngSoc, as a senior student do you support the exclusionary practices of the Engineering Society?

Now just hold on a minute, the Engineering Society is a very welcoming and open environment! I've been to tons of EngSoc sponsored events and always feel right at home. All of the elections support well informed voting and everyone has equal opportunity to run, right?

Do you think that your position as a part of the "in-crowd" has afforded your negligence to the plight of the common student?

I... uh... I don't think I'm intentionally alienating the typical student by having friends in EngSoc... am I? I didn't realize that this was such a prevalent issue.

You see, Stuart Andrew Linley, one of the privileges inherent to those with ascribed status is that of ignorance toward the negative impact of your hegemonic ideology. According to Marx, the inevitable outcome of such conflicting power relations is a social revolution. At

what concrete date do you think civil unrest will reach the point of drafting the blueprint for the first barricade?

Revolution?! But I have some good friends in Civil! I... I'm so confused.

Let us simplify it for you. In George Orwell's 1984, he paints a dystopian picture of a future ruled by Ing-soc, with a tight-knit "inner party" that systematically subjugates and oppresses the proletariat, or "proles". Do you think that if there is hope to overthrow Engsoc, it lies in the proles?

Well, yeah, that does make it easier to understand. I guess it only makes sense that a successful coup and reformation would only be possible with the support of the masses. Now that you mention it, Yasser does seem a little like "Big Brother". There were pictures of him all over the walls of Engineering and last week he was pressuring me to fill out some "survey"... And we all know survey is the root word of "surveillance".

Speaking of President Sassy, what do you, Stuart Andrew Linley (SID: 60380085), make of the just now emerging footage of the embattled prez toppling over his VP External after mocking VP FIN's recent academic probation during council?

I've been an opponent of Al-Khader's since the beginning! I just cannot believe that we put our trust in that man. If he doesn't step down soon, FEDS should do what they can to kick him out!

Excellent answer. Last question, how do you feel about Topz (With a Z)?

I love Topz (With a Z). I've always loved Topz (With a Z).

Thanks Stuart. You can leave the twenty you owe us with our secretary.

How to Talk to Editors-in-Chief



**CHING O'MALLEY
1Z PETROLEUM**

HOW TO TALK TO

Howdy sexy readers of the Iron Warrior Newspaper. I know while you read this amazing paper that you think to yourself, "How is this newspaper made and why is it so amazing? I am in awe of the layout and the proofreading that has gone into this newspaper." You can thank our all-glorious and immortal leader, the Editor-in Chief. The grand exalted editor-in-chief, or EIC for those acronym lovers out there, assigns articles for us lowly staff writers to write and pictures for the lowly photographers to photograph and the lowly illustrators to draw their comics. Often described as a thankless job (by the EIC), the job includes snacks, asking people for advertisements, and long hours. (Sorry incoming EIC). So to get to the meat of the article, how does one approach and talk to all-glorious leader editor-in-chief? What does one do when needing to communicate with the eternal-for-one-term-editor-in-chief?

Why hello again, I hope you are enjoying this new paragraph, anyways sexiest

newspaper reader on campus, the great supreme leader Editor-in-Chief can often be distinguished from the rest of the Iron Warrior writing staff by their appearance. Sadly, Dear Leader Editor-in-Chief still displays signs of humanity and thus will spend countless hours toiling for the good of the nation, I mean paper. Often weekend times, they will emerge from the Iron Warrior Office, dishevelled and with blood shot eyes. Do not worry kind readers, the EIC has not been partaking in the illicit drug substances but the EIC's appearance is due to lack of sleep. Every other Saturday and Sunday is production weekend meaning Brilliant Leader Editor in Chief will be personally editing and designing the upcoming issue, making sure the lowly staff writers' mistakes are corrected so that the attractive readers of the Iron Warrior Newspaper has something to do whilst sitting on the toilet. The look of defeat on the Editor-in-Chief's eyes can be intimidating at times but here are some solutions that will help you talk to the Editor-in-Chief.

SOLUTION THE FIRST: A Game of Thrones!

Become blind, then you only need to hear the exhaustion in the EIC's voice, or just phone them. Whichever is easier. You can also text and Facebook message the EIC but that is not talking to the EIC anymore and that is cheating. If you are in a situation

where you need to talk in person to all glorious, eternal-for-one-term Editor-in-Chief, bring an offering of snacks or beverages so to appease the dark spirit that embodies the Editor-in-Chief during production weekend.

SITUATION THE DEUX! Sometimes, the problem is not that you want to talk to the Wonderful and benevolent leader, Editor-in-Chief, but the EIC seems to be talking to themselves. At times, the EIC will be muttering curses at the computer for constantly bluescreening because the computer does not have enough pixels to handle the sheer awesomeness that is the Iron Warrior Engineering Newspaper, angrily cursing their staff writers to get articles in on time for editing and demanding articles from EngSoc. Have no fear, the EIC is only crazy on full moons, actually no, every other weekend. When the EIC is suffering from PWS, or Production Weekend Syndrome, bring them chocolate, a copy of "The Notebook" and ice cream. Otherwise, the EIC will be seen haunting the halls late at night on weekends muttering things like "EngSoc still needs to send in articles" or "Why is this article missing entire words?" and that is not good for Dearest Leader Editor-in-Chief. When you see this happen, do not be a passive by-stander, do something to help because if you aren't part of the solution, you are part of the problem.

SOLUTION PART 2: The Empire Strikes

Back!

Hire a priest, witch doctor, or TA to cleanse the EIC's spirit of the darkness that comes with PWS. Waterbenders are also effective in this as they can bend water to remove the dark spirits. This helps so that the all glorious Editor-in-Chief becomes mortal for a weekend and you can talk to them about things like articles and layout.

SOLUTION 3: The Return of the King (Editor-in-Chief)!

Constantly assume that the EIC is muttering to themselves and ignore the all mighty and omnipotent Editor-in-Chief even if they are yelling at you to get your article in on time.

To end this article I just want to say, good luck to the incoming Editor-in-Chief, may your reign be kind and fruitful of monies so we can go to a nice place for staff dinners. To the exiting Editor-in-Chief, HELP HELP, I AM BEING OPRESSED! MY FREEDOM OF SPEECH IS BEING RESTRICTED BY YOUR CENSORSHIP! So to the incredibly intelligent and ridiculously good looking readers of the Iron Warrior Newspaper, help your Editor-in-Chief by writing more articles and remember, grammar iz not important. Nor iz spellin, write in a foreign language and just hope it gets published.

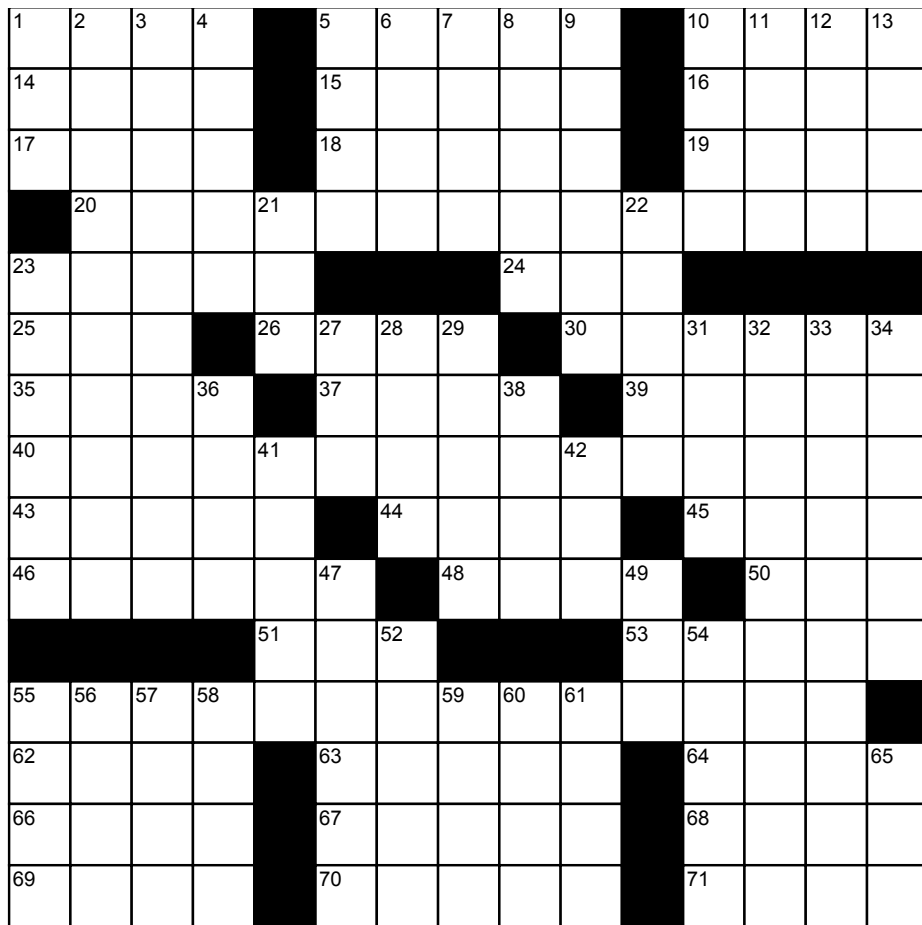
Lots of love,
Ching

The Iron Crossword

Top Wayz to Make a Crossword

STUART LINLEY (WITH WADEWARD 'ACE' BLAKESON)

4A NANOTECHNOLOGY



- 35 Uh-uh
- 37 Flimsy
- 39 Jazz great Miller
- 40 Champions of up-to-date, unbiased reporting
- 43 Russian oil conglomerate
- 44 Tier
- 45 Sulk
- 46 Beat
- 48 Hebrew 8th letter
- 50 Wrath
- 51 French "yes"
- 53 Swedish illustrator
- 55 Wadeward course of study
- 62 Deprive
- 63 Capital of Senegal
- 64 With 65-down, txt version of "that's serious"
- 66 Adjoin
- 67 Root language
- 68 Film _____
- 69 Christmas
- 70 French place of study
- 71 Has

- 10 Voiced
- 11 Hawkeye State
- 12 Waylay
- 13 Eye infection
- 21 ___ Lingus
- 22 Desperate Houswives actress Emily
- 23 _____ Fun? (Paramore)
- 27 The other half of Jima
- 28 __ ex machina
- 29 Ground
- 31 Muhammad and Baba
- 32 Top dog
- 33 Something you have if you're intrigued
- 34 Reply to a question
- 36 Jewish scribe
- 38 Joint
- 41 Argos captain
- 42 Inclined
- 47 Powwow
- 49 Layer
- 52 Abraham's son
- 54 I Can't _____
- 55 Like some stops
- 56 Asian humped ox
- 57 Pull
- 58 Wager
- 59 German festival starter
- 60 Chain or Air
- 61 Sea eagle
- 65 See 64-Across

THAT OTHER SIDE

- 1 Post-post secondary bursaries
- 2 Soft spot for sugar
- 3 Conjunctivitis aid administer
- 4 How you might feel around Topz authors
- 5 Rive
- 6 Join metal
- 7 Opera solo
- 8 Brother's daughter
- 9 Classification

ACROSS

- 1 Ghanaian footballer
- 5 Pull
- 10 Lubricates
- 14 Gaelic name
- 15 Uncanny
- 16 Defeat
- 17 To ___ man about a dog

DOWN

- 18 Unfamiliar
- 19 Crooked
- 20 Member of the dream team
- 23 _____ Grows in Brooklyn
- 24 Bard's before
- 25 Solar cell anode
- 26 Cycle
- 30 Middle eastern peninsula

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

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