Happy families, fresh produce, and friendly interactions are some of the many things that one can find at Kitchener – Waterloo Region’s renowned St. Jacob’s Farmer’s Market. Located south of King St N and east of Weber St N, it was a popular market for residents in St. Jacob’s and other communities located in the KW region; however, on September 2, 2013, the market suffered a great blow. Early in the morning, the building burned down. Damages are estimated at 2 million dollars, causing panic to both the shop owners and communities who frequent the friendly market on a regular basis.

The market was opened by eight individuals in April 1975 by merging two stockyards together. By the later 1970’s, preparations were made to construct a two story 2,200 square metre building, made of the best Douglas fir beams that British Columbia had to offer.

The market consisted of the Peddler’s Village building for the flea market and some food vendors, and other buildings housing a single retailer with up to 150 vendors set up shop from Spring to Autumn.

The two-story building that burned down was part of the original construction and was owned by the Mercedes Corporation till this day.

On September 2, 2013, the call came in at 1:49 a.m. that the market was burning. The fire started in the main barn, and thankfully it did not spread to its other surroundings; however, it was no small fire. It took 45 brave firefighters located around the building to control the blaze and stop it from getting out of control, but it was so huge that the fire was still blazing until 6:00 a.m. that morning. After it had been put out, nothing remained of what was once a famous landmark in the KW region.

All hope is not lost; there is always a silver lining. As long as there are things to sell and a location, there will still be a market but with more than 60 vendors affected by the fire, some are still bound to go out of business. Currently, the neighbor who lives across from the marketplace has offered the vendors some of her space to reopen the market during the interim. Fortunately, it has been decided that the market was a landmark in the KW Region and will, in someway or another, be re-opened so future generations can enjoy what the market has to offer as well.

Brian Chan
2A Nanotechnology

Since it was recently the first week of university for many students, there were a number of campus events going on around Waterloo. Most notably, on the Friday of Welcome Week, the University hosted three bands on the V1 Green for a free concert. The bands playing were three fairly notable Canadian bands – The Beaches, Mother Mother, and Arkells. For a free concert, it’s nice to see bands of this caliber playing, and they all seemed legitimately excited to be there.

Openers The Beaches is comprised of four females from Toronto who play fuzzy alt-rock/girl punk. From what I can glean through the little information available about them, they are only just out of high school. Their set on Friday evening was very energetic, and a lot heavier than I expected from a band named the Beaches. The band seems to take their cues from The Pixies and Bikini Kill, and know the power of guitar feedback and adrenalin vocals. They seemed excited just to be playing, and they all spent a good amount of time whipping their hair around as they played. My expectations for them were nearly zero, and they exceeded them in every way. However, at the time they were playing the crowd was still filing in, and crowd response was a little lacklustre, although that’s to be expected when the band is nearly unknown.

The next act on the bill was Mother Mother, who are a jangly indie-pop band hailing from Vancouver. Since I have a soft spot for boy-girl duet vocals, this was actually the band I was most excited to see and they came through in terms of musicianship and crowd engagement. The two lead vocalists spent much of the time between songs charting to the crowd and even taking crowd suggestions. They played all of their well-known songs including “Wrecking Ball” and “O My Heart”, but the biggest response from the crowd came when they decided to cover Nirvana’s “In Bloom.” It was an extremely well done cover and probably the highlight of my night; however I’m not sure if their intent was to honour the 20th anniversary of In Utero, but in retrospect playing a song off of Nevermind probably wasn’t the best way to do it. The crowd reaction to Mother Mother was a lot more intense than the reaction to The Beaches, with an unexpected number of people knowing most of the words to the full set.

Lastly, Arkells took the stage as the final act of the night. People in the crowd seemed most enthused about seeing them, probably because they are the most recognizable of the three bands, at least in Southwestern Ontario. However, even early on, people were throwing the free glowsticks that were there and stop it from getting out of control, but it was so huge that the fire was still blazing until 6:00 a.m. that morning. After it had been put out, nothing remained of what was once a famous landmark in the KW region.

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Alex Toth
3B Chemical

The city welcomed some great bands during this Welcome Week, both at Waterloo. On Wednesday, Passion Pit played at the Turret bar at Laurier. They were supposed to play outdoors, at Laurier’s athletic complex, however it got moved indoors due to thunderstorms. The smaller venue suited Passion Pit just fine, and the close quarters allowed everyone to feed off of each other’s energy. Passion Pit played through all of their hits from Manners and Glossary, starting off with the uplifting “Make Light” and ending with their incredible two song encore with an massive rendition of “Little Secrets.” I was approximately seven people away from Michael Angelakos and was possibly sweater than I have ever been.

The city welcomed some great bands during this Welcome Week, both at Waterloo. It was a great way to get the new students comfortable with the school, and I hope that both schools will continue to attract bands of this calibre in the future.
Letter From the Editor

ALEXANDER LEE
EDITOR-IN-CHIEF

Dearest Readers,
Welcome back to school, and thanks for reading the first issue of The Iron Warrior! This is a special election issue! This 4-page issue will put their platforms in. As a result, this will not be an issue during the election season. EngSoc had planned their election on Thanksgiving weekend and right after the paper was polished than this. The second reason is that we would be working on the paper that we would be working on the paper this first issue will be about the Syrian War in "World in a Nutshell" which will focus on the entire undergraduate engineering student body of over 6000 students. It is easy to fall into the trap of sticking with what you know, as I explained above. But we need to constantly remind ourselves to look for challenges, because that's the only way to improve, and to truly live life. I once watched a VSauce YouTube video that I don't quite remember the main topic of. What I do remember is that near the end of the video, the topic of time perception was being discussed, and a hypothesis was brought forth that perhaps the reason it seems to go by faster as we get older is because that when we're younger, everything in life is new and so much, just spent the last 2 weeks practically living in the office waiting for ads to come in. All of this, on top of my course load, is a lot of work, to put it lightly. So why did I take on this enormous responsibility? Well, the first reason is that I probably wasn't thinking straight when I accepted. I take on this enormous responsibility. I have just finished my first term and was only just able toance the budget, and was only just able to...
The Iron Warrior
Wednesday, September 25, 2013

Tourists who wished to have a closer look at the behest of a preprogrammed route, at the behest of Captain Francesco Schettina to steer the ship ran aground on the seabed. The ship ran aground on January 13, 2012, after a crass decision by Berlusconi and withering economy. The Costa Concordia, feel free to visit theparbucklingproject.com

An Engineering Marvel for the Ages
Spencer Good in Mechanical

For over 20 months, the rusting wreckage of the massive Costa Concordia has been marooned off the shore of Isola del Giglio — an Italian island off the coast of Tuscany — a sombre warning of the dangers of naval irresponsibility. It remains a national embarrassment for the people of Italy, as well as an eyesore for locals, who claim it has damaged the tourism industry which the island relies upon. The ship ran aground on January 13, 2012, after a crash decision by Captain Francesco Schettina to steer closer to land. This took the ship off the preprogrammed route, at the behest of tourists who wished to have a closer look at the scenic island. This was combined with a series of obtuse actions made in an effort to cover up his mistake after the hull of the ship had already been pierced by the shallow seabed. All in all, the accident cost the lives of 32 people and nearly caused an environmental disaster on an ecologically protected seabed.

Fortunately, the Captain will go on trial for his crimes and likely pay for his mistakes. Unfortunately, for the people of Isola del Giglio, the local economy and environment remains at stake. The boat is needed for a more complete. A process of “refloating” took place. Parbuckling, “parbuckling,” took place. Parbuckling, is a process of “refloating” that prohibits trains from sounding their horns, it should somberly remind each and every one of us the importance of our work. A part design someday end up being the critical component that fails in a situation similar to this. Finding and fixing the area could save lives.

Although freak accidents happen it is important to remember that something can always be learned from mankind: that technology or professional practices safer. When we graduate and receive our iron rings, it should somberly remind each and every one of us the importance of our work. A part design someday end up being the critical component that fails in a situation similar to this. Finding and fixing the area could save lives.

The Iron Warrior
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The Salvage of the Costa Concordia
An Engineering Marvel for the Ages

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International Exchange is one of the privileges and opportunities available to Waterloo Engineering students. You need to take action this term if you want to go on exchange in Fall 2014 or Winter 2015. Exchange is primarily for third-year students. But there are exceptions to the application can be long. Don’t put it off. If you miss the opportunity, it doesn’t come back. I have had lots of students come to me too late to apply, after they have rabbited all the minority issues about their experiences on exchange. So, if you expect to meet the academic criteria (completing 2B, be in the top half of your class, or at least with a GPA that your provincial government will accept), you must take the first step: make an appointment to see Cindy Howe, the Administrative Coordinator for Exchange (Faculty Exchange Office or CEO, CPH 1320 or cindy@uwaterloo.ca). You might also talk to your系系 or the Engineering Society of your school. Each of the Engineering Societies within the Engineering part of the exchange application must be completed mid-November if you want to be sure of a place. You can’t be sure of a place until you have submitted all the information together to fill in the forms (available on the Engineering Exchange website: search ‘engineering exchanges’ from the Engineering Exchange website, to the forms) can be both time-consuming and arduous; once you have done that, filling the forms in is a snap, but you have signatures to collect and a pre-application interview before it’s all done. You have ex- ams, and then you’ll be leaving for Christ- maen. So, you must learn to use the spare time now to get the application done.

If you are in 2A this term, you may have more time to plan ahead. While you can’t replace 3A or 3B (or both), which will normally take place in Winter and Fall of 2015. In some departments it may be possible to do an ex- change in Fall 2014. Notice that the term or semester dates of our partners typi- cally don’t match ours; essentially, our co- op system puts us slightly out of sync with the rest of the world. So you have to figure out how to make them fit. Many people don’t know that when you go on exchange you can change the normal sequence; for example, you can study electives on a third-year exchange, and make up the core program on return, or you can intercalate a work term and an elective term. PEO will no longer specify the point of view of finding appropriate courses at our partner institutions. These can be chosen to work more to toward academic credit and to get the appropriate approvals. But there’s nothing ‘set in stone’ about the order in which subjects are taught, or about what skills you must learn. We merely re- quire that each term is completed and that you end up with the correct number of satisfac- tory work terms.

If you are majoring in a profession that is underrepresented but we in the FEO are here to help. And in your department there are professors, particular- ly the undergraduate Associate Chair, and that is your main contact. Notice you in various parts of the process. You can also contact returned exchange students, who are in 3A this term. Whether you are in 2A or 2B now, or whether you are still in 2A, one important matter is to get yourself ‘on the list’ for an exchange to your chosen destination. Each year PEO sets strict limits to the numbers of students that we can send them. Even though we have more than 80 possible destinations, some are more in de- mand than others, and we fill the spots on a first come first served basis. You should not fill in the application before contacting the Engineering Office or FEO, as you may not have a place available. But when you make it out to the list, you are blocking later applicants, so be sure about your choice. If you change your mind, you will have wasted a lot of time and effort on an application from a student from fulfilling a dream, so don’t apply before you have made a firm choice for exchange.

Finding a Computer Lab!

You have ever walked between RCH, E2, or E2 minus those days you headed to your fa- vorite lab to get some homework done out at E2 outside of the WEEF TA office and turn on your eyes to the glowing screen of knowledge, of course. Once you want long enough, several rows of pie charts will appear on the right hand side of the screen. For you visual learners out there, the graphical representation of the chart indi- cates how much free space is in the lab. The red, of course, shows how many computers are in use. The softer color, nuked cold, hard statistics to visuals, look below each chart to find the fraction of free com- puters left on campus in each particular lab. However, have noted that while there is an ideal print control, it is prudent to give a tolerance of plus or minus a few computers to take into account human error. Both presentations talk about the respective roles that the organizations play and the benefits of a student member- ship to each. OSPE’s student membership must be purchased, but allows access to scholarships, networking sessions, work- shops, and certain job postings. PEO’s stu- dent membership is free, and provides in- formation about licensing and regulatory body for profes- sionals within Ontario, while OSPE focuses on advocating and lobbying on behalf of engineering students. Both presentations talk about the respective roles that the organizations play and the benefits of a student membership to each. OSPE’s student membership must be purchased, but allows access to scholarships, networking sessions, workshops, and certain job postings. PEO’s student membership is free, and provides in- formation about licensing and regulatory body for professionals within Ontario, while OSPE focuses on advocating and lobbying on behalf of engineering students. Both presentations talk about the respective roles that the organizations play and the benefits of a student membership to each. OSPE’s student membership must be purchased, but allows access to scholarships, networking sessions, workshops, and certain job postings. PEO’s student membership is free, and provides in- formation about licensing and regulatory body for professionals within Ontario, while OSPE focuses on advocating and lobbying on behalf of engineering students. Both presentations talk about the respective roles that the organizations play and the benefits of a student membership to each. OSPE’s student membership must be purchased, but allows access to scholarships, networking sessions, workshops, and certain job postings. PEO’s student membership is free, and provides in- formation about licensing and regulatory body for professionals within Ontario, while OSPE focuses on advocating and lobbying on behalf of engineering students. Both presentations talk about the respective roles that the organizations play and the benefits of a student membership to each. OSPE’s student membership must be purchased, but allows access to scholarships, networking sessions, workshops, and certain job postings. PEO’s student membership is free, and provides in- formation about licensing and regulatory body for professionals within Ontario, while OSPE focuses on advocating and lobbying on behalf of engineering students. Both presentations talk about the respective roles that the organizations play and the benefits of a student membership to each. OSPE’s student membership must be purchased, but allows access to scholarships, networking sessions, workshops, and certain job postings. PEO’s student membership is free, and provides in-
Elon Musk and the Lack of Women in Waterloo Engineering

**Rob Reid**

**Research Team Lead**

**Filza Nasir**

**Research Team**

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**Editor’s Note:** This article has been modified from it’s original form. Previously, this article contained a quote from an engineering student that was not intended for publication, and has been removed. We apologize for the inconvenience.

― Alex Lee (EIC FI3)

The founder of Tesla and co-founder of PayPal, Elon Musk, was recently quoted in a Queen’s University Alumni Magazine stating that one of the reasons he chose to attend Queen’s over Waterloo Engineering was because he visited the campus, “and there didn’t seem to be many girls there. So I visited Queen’s and there were girls there. I didn’t want to spend my undergraduate time with a bunch of dudes.”

Although it would be nice to pretend that Musk’s comments were made because he was so smitten by the women that he could not bear to be without them... and the classroom enriches the learning experience, there’s a reason he asked for this specific comment to be off the record: because it’s an important reason. Musk made a decision to attend a university where he would have a better chance of meeting women. The decision was one of many, of course, men go to university, and women go to university so men can have something pretty to look at while they're learning. But regarding the sexism of Musk’s statement, it was made in an offhand comment that was quite honest in what affected his decision about which university to attend.

In response to Musk, Waterloo Engineering made a video that was half-satire, half-serious and mostly cringe-worthy (enough to go viral on Reddit). The video admits that Musk was right – back in the 90’s when he visited the campus there weren’t a lot of women. But since then, they’ve “spruced the place up,” by setting out flowers and spraying perfume on trees. It’s clear that Waterloo Engineering missed the mark – by a lot. They also missed what could have been a perfect opportunity to dispel the myth of women in engineering at Waterloo.

The tone of the video makes it clear that the Waterloo Engineering administration has no plans to acknowledge that Musk’s comments are actually based in fact. I am sure the numbers of women in engineering have increased since he visited – but as any second-year student taking a stats course will tell you, that’s a useless statistic. The statistic that actually matters is how many female engineering students in 2012 were women. That’s an embarrassing statistic for the Waterloo Engineering administration, to the point the University will not do anything to attract more women to its engineering program – or to provide support for the ones that are already here. There are many other institutions with a female student population dominated by male students and male culture. This is an uncomfortable reality that many women in engineering live with. From personal experience I can acknowledge that Waterloo Engineering is not always an inclusive environment for women. And this video, which lightheartedly brushes over the very real issues faced by women in Waterloo Engineering is incredibly insulting. Yes, Waterloo Engineering has made some amazing engineering, many of whom happened to be women. But, they made it against the odds, not because of them. Because at Waterloo, the odds are stacked against female engineers.

It was only two years ago that the University of Waterloo was terrorized by an anonymous propaganda campaign to be run by women using Marie Curie as their poster woman for why women shouldn’t be allowed to gain higher education because “they’ll make the whole Planet.” While those posters were dismissed by the Waterloo administration as the actions of a “troll,” they did stir up a lot of controversy and account comments like those made by a Waterloo student online who claimed that there are fewer women in Waterloo because “most girls in engineering don’t want to give any effort or sacrifice needed to go through the Engineering or Math program at Waterloo.” While the tone of this message was to say anything about male culture at Waterloo, these comments certainly did.

Waterloo Engineering has not even attempted to take on the most basic of responsibilities that would make this campus a more inclusive place – such as providing gender and inclusivity training to first-year engineering students during Orientation week.

Sexism on university campuses is not limited to Waterloo. The University of British Columbia and Saint Mary’s University in Halifax have recently been highlighted in the news for orientation week chants about rape. But both University administrations have seriously responded to the incidents and have taken actions to prevent such incidents from re-occurring. At Waterloo, we force a laugh.
**Budget Approved!**

Welcome back BSoc! I hope your co-op term treated you well. My name is Peter Robertson and I am serving my second term as VP Finance for the Engineering Society ‘B’. This will be my last term and although it will be sad to see end, there’s still lots of time left in the term and I look forward to making it as enjoyable as possible for you.

Things have started off quickly and I am happy to tell you that our termly budget was passed by Council at the first EngSoc Council meeting last Wednesday. In the table to the right you can see the budget requests that were approved by directors on the left, and the approved budget on the right.

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**What’s New in Novelties?**

MELISSA FERGUSON & STEPHEN KRAMER
2B MECHANICAL & 4A MECHATRONICS

Hi everyone! For all of the first years, welcome to Waterloo! For the rest, welcome back. Classes have begun, assignments have been distributed, and for some of us who are used to the large class sizes or the new concepts that are about to be covered, I’d like to share some academic tips for you so that this term goes smoothly. First of all — don’t fall behind! For those of you who do not know, Novelties is where you can buy all of the glorious engineering swag. It is located next to POETS (CPH 1337), and is open from 11:30 to 1:30 Monday through Friday. We are also pleased to announce that we have some exciting events happening through Novelties this term. OHH GOSH WE ARE HAVING A FIRE SALE. OH THE BURNING, EVACUATE THE SCHOOL CHILDREN!!! Haha. The fire sale will be on September 23rd during the normal Novelties hours. September 25th and 26th will be when you can come to CPH foyer and get your very own custom coveralls ordered. The prices for Coveralls are as follows:

- $70
- 2 lines of embroidery on the sleeve:
- $3
- 5 patches ($25 dollar in store equivalent): $15

Later in the term we will be having a design contest, so start coming up with some neat designs for patches and t-shirts!

More information on any of the events run through novelties this term can be found on the Novelties Facebook page https://www.facebook.com/engsocnovelties or by emailing novelties@engsoc.uwaterloo.ca.

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**Things to Learn**

ORYSIA SOROKA & MEGAN NEILL
VP EDUCATION

Hi everyone! For all of the first years, welcome to Waterloo! For the rest, welcome back. Classes have begun, assignments have been distributed, and for some of us who are used to the large class sizes or the new concepts that are about to be covered, I’d like to share some academic tips for you so that this term goes smoothly. First of all — don’t fall behind! For those of you who do not know, Novelties is where you can buy all of the glorious engineering swag. It is located next to POETS (CPH 1337), and is open from 11:30 to 1:30 Monday through Friday. We are also pleased to announce that we have some exciting events happening through Novelties this term. OHH GOSH WE ARE HAVING A FIRE SALE. OH THE BURNING, EVACUATE THE SCHOOL CHILDREN!!! Haha. The fire sale will be on September 23rd during the normal Novelties hours. September 25th and 26th will be when you can come to CPH foyer and get your very own custom coveralls ordered. The prices for Coveralls are as follows:

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**Sponsorship**

SPONSORSHIP MEETING

Sponsorship meeting will be on Wednesday 25th of September. The agenda will include an overview of recent sponsorship developments, an update on the current status of the sponsorship committees, and an opportunity for questions and comments from attendees.

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**The Sponsorship Committee**

The Sponsorship Committee is responsible for managing the sponsorship budget and ensuring that all sponsorship activities are tracked and reported accurately. The committee meets regularly to review and evaluate potential sponsorship opportunities, and to make recommendations to the Executive Council about potential partnerships.

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**The Engineering Society**

The Engineering Society is a student organization that represents the interests of engineering students at the University of Waterloo. The society provides a variety of resources and services to its members, including academic support, career guidance, and social events. The society is also involved in a number of community service projects and initiatives.

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**For More Information**

If you have any questions or concerns, please feel free to contact me at vpeducation@engsoc.uwaterloo.ca or stop by the Orifice for a chat!
Hello everyone!

Welcome back to campus, and I hope your first few weeks of school have been going well. This term we have a lot of new events and services to supplement the traditional ones.

New this term we have Engineering Athletics. If you want to participate in CrossFit style workouts, you can join them every Monday and Thursday at 6:30 pm in the PAC Red Warrior Zone. Also new this term we have a comprehensive First Year Mentoring program! There are several workshops throughout the semester for interview skills, study skills, and more! To find them, just look for the First Year Mentoring events in the EngSoc calendar.

As for the usual events, there are some changes this year. The Iron Warrior is being held at The Turret (Laurier’s club) on Thursday, October 8. The Semi directors are working crazy hard and I’m sure it will be nothing less than spectacular. Keep your eye out for posters because ticket sales will be starting soon!

The music events are getting pretty intense in terms of booking chill stuff, or playing chill stuff itself. Have some fun in the early November crazy! So if you’ve got a band, make sure you’re ready!

If you’re wondering how you can get engaged this term or just have any questions, feel free to shoot me an email at kpinterest@engsoc.uwaterloo.ca.

Cheerio!

KRISTINA LEE
VP EXTERNAL

Welcome, or welcome back, to campus! By now, the first two weeks of the semester have already flown by, and you’ve probably been bombarded with a ton of information about clubs you can join, courses you need to focus on, socials you need to go to, or other commitments that are vying for your time or attention.

If you’re feeling overwhelmed already, take a moment to relax and breathe: having your time or attention.

So far this term I’ve attended two different conferences, ESSCO President’s Meeting (PM) and the Canadian Federation of Engineering Students (CFES) PM. If you’re interested in attending a conference this term there are two more before exams: PEO-Student Conference (SC) and the National Conference on Women in Engineering (NCWiE).

PEO-SC is a conference on professional development and engineering as a profession and NCWiE is going to be an amazing conference this term about diversity and women in engineering. As well, there will be sessions with tangible outcomes to bring back to Waterloo. Applications are open on the Engineering Society website.

If you’re interested in getting more involved with ESSCO there are two positions available! Connor, the VP Services, is looking for two directors.

The Director of National Engineering Month (NEM), who will help facilitate an Ontario wide event, a Rube Goldberg Machine and the Wonderland Math and Physics Day, who will manage and facilitate Wonderland Math and Physics Day. Application can be found online at essco.ca/activities/directorships; NEM is due October 15 and Wonderland is due November 15.

Also happening this term is the Women in Engineering Mentorship program, the Santa Claus Parade, Engineering A Difference, and many more charity events! If you’re interested in helping out or attending an event please feel free to contact me at kpinterest@engsoc.uwaterloo.ca.

Elections

This is our last term as your executive and we need to elect the new executive team. That means you get to vote on who will be the next exec.

Meladine Liddy, our Chief Returning Officer (AKA person who runs the elections), will properly bombard you with all the information you need for the elections. But just in case you want yet another place to get the elections schedule, here it is.

September 23 – 27: Nominations

When students who are interested in running will submit the nomination form. The nominees will need 15 engineering students to sign their nomination form, so be on the lookout for who’s running around asking for signatures, because soon enough they’ll be asking for your vote.

September 28 – October 4: Campaigning

Campaigning will be through socials, class visits, webpages, Facebook pages, and swag (maybe). This is when the candidates will tell you all about themselves, their platform, and why you should vote for them. Read their platforms, listen to them, and ask them tons of questions.

October 5 – 9: Voting

That’s when you decide who had the best platform, and who deserves your vote. Each and every one of you should get an email with the link to the voting webpage during that period. There will be voting booths at CPH Foyer as well. Don’t forget to vote!!

October 10: New exec is Announced at Semi-Formal

Come out to Semi-Formal, dance, be classy, and have fun! We will announce the winners so you can congratulate them and maybe buy them a beverage of some sort.

Well that’s all from me for now. Stay safe kids. Yasser.

Kewl Konferences

KRISTINA LEE
VP EXTERNAL

Welcome back to campus, and I hope your first few weeks of school have been going well. This term we have Engineering Athletics. If you want to participate in CrossFit style workouts, you can join them every Monday and Thursday at 6:30 pm in the PAC Red Warrior Zone. Also new this term we have a comprehensive First Year Mentoring program! There are several workshops throughout the semester for interview skills, study skills, and more! To find them, just look for the First Year Mentoring events in the EngSoc calendar.

As for the usual events, there are some changes this year. The Iron Warrior is being held at The Turret (Laurier’s club) on Thursday, October 8. The Semi directors are working crazy hard and I’m sure it will be nothing less than spectacular. Keep your eye out for posters because ticket sales will be starting soon!

The music events are getting pretty intense in terms of booking chill stuff, or playing chill stuff itself. Have some fun in the early November crazy! So if you’ve got a band, make sure you’re ready!

If you’re wondering how you can get engaged this term or just have any questions, feel free to shoot me an email at kpinterest@engsoc.uwaterloo.ca.

Cheerio!

KRISTINA LEE
VP EXTERNAL
What’s in Your Network?

And so it begins. The job hunt for the next work term. Yet only 4 (or 8) months from now, you’ll be right back at it. If you’re lucky, you’ll find a job over your work term and be co-op stress free through your next study term but how? What about after you graduate? It seems so far away… That’s where networking comes in. We all hear the word thrown around, but what exactly is ‘networking’ and how can you as a co-op student get the most out of yours?

Your network consists of everyone you legitimately know and personally interact with on a regular basis. Not that random person on Facebook you haven’t talked to in the last 20 years. Your network is your friends, family, co-workers past and present, and by extension, everyone connected to the aforementioned groups. All of these people can help you on your career path if you use them wisely.

The first step to utilizing your network is identifying one or a few specific fields you’d like to get into. Once you’ve done this, ask everyone in your network if they know anyone who works in that particular field and get their contact information. Even if none of your contacts can give you anyone’s name, remember that they may know someone who knows someone, if you catch my drift. Over my work term I asked my manager if she knew anyone in the mineral/metal elemental analysis field. As it turns out, she did not know anyone but directed me to a full government directory listing employees in the Ministry of Mining and Northern Development, who do a fair amount of mineral testing. I got the contact info of the Senior Lab manager in the blink of an eye.

Congrats on your first network contact! Next, you need to request an informational interview: a time to meet or phone your contact. If you got the contact’s name from someone else you know, make sure you refer to the person’s name in the request. Keep these invites to relatively short e-mails. In addition to indicating your interest in the field, make sure you assertively tell the contact that you will be calling them to arrange a time to chat within the next couple of weeks and follow through! I cannot stress this enough—working people, especially those in senior management and company leadership positions may not respond. Don’t let them get away with it! You only need 20-30 minutes of their time to ask your questions, and you’re not after them for a job (yet).

Now that you have booked a time to actually talk to your contact, come up with a list of questions to ask. Remember, your goal is to find out what working in the field is like, and NOT to get a job. That’s not to say you shouldn’t ask what kind of opportunities exist though. This is arguably one of the most important questions as it gives you an idea of how the industry is doing. It is important to do some background research on the your contact’s company as well—this will not only allow you to ask more useful questions (i.e.: you couldn’t have found the answer on Google) but it will also show genuine interest. I will discuss relevant questions in more detail next issue so stay tuned!

In the meantime, start thinking about your own fields of interest and ask around. You’d be surprised at who can help you—if you’ve read this far, you’re well on your way to a more effective job search.

Re:Engineering Leadership

Canada’s top engineering schools talk about the critical need for graduate level engineers

This Fall, Canada’s top engineering schools have joined together to lead a national dialogue on developing skilled postgraduate leaders. The national tour comes to University of Waterloo on Tuesday, October 1

E5 – Student Design Centre, 5:00 – 8:00 PM

Food and beverages provided
All undergrads & grads welcome!
In the United States, the Centre of Disease Control reports that there have been 159 cases of measles. During 2001 to 2012, there were a median of 60 measles cases in the US, with a median of two outbreaks. The interesting thing here is that measles was declared to be eliminated in the US in 2000, though 20 million cases occur every year in the rest of the world, including a 2011 Quebec outbreak of 725 cases. As a result, American health professionals are no longer used to identify and treat measles.

Measles (also known as rubella) is a viral illness characterized by fever, cough, nappy rash, red eyes, and most distinctive, a body rash that appears through the respiratory system to causes high temperature and can result in deafness and pneumonia.

82% of those who contracted measles in the US this year so far were unvaccinated, and 23% of those who contracted measles have received mixed or negative feedback, as only notice the system elements as they are unavailable on the older phone models of iPhone 4, however, many of the features had matured to unpolished. This new material has great potential in perovskites, are actually just a variant of a variety of materials that delivers record performance improved energy storage and delivery.

These new materials, called double perovskites, can be easily integrated within the existing combinations of catalysts, but a family of compounds as perovskite, allowing for a large variety of catalysts, and the team was using were synthesized through a simple process with powders of barium, cobalt (holmium) with barium, cobalt and oxygen.

A common catalysts for the oxygen evolution reaction. The perovskites have shown a greater reaction rate and a more active catalyst. The perovskites can be used to produce electricity and water. Perovskites can be easily integrated within the existing catalytic system, being economically viable, easily manufactured, and efficient in carrying out the conversion without too losing much of the original power.

The compounds used in this research were synthesized by the phenomenon, stating that the team was using were synthesized in simple and straightforward reactions from common, real-world representations of how to use catalysts,

The researches have not only found a single element that produces this new family of catalysts, but a family of compounds as perovskite, as well. This means that we can conduct research on how to use catalysts in future updates, Apple and Microsoft will certainly find ways to make their ideal designs more practical for consumer use.

The CDC characterizes an outbreak as a transmission chain with three or more confirmed cases. The largest outbreak in 2013 to date involved 58 cases of measles in New York City. During 2001 to 2012, there were a median of 60 measles cases in the US, with a median of two outbreaks.

The new app design has encouraged third-party developers to rethink how their app looks, with comparisons like Facebook and Evernote creating new layouts that fit the aesthetics of iOS 7. This can be good for new entrants as well, as developers aimed to find imaginative new layouts that would hook potential customers.

The trend of simplicity introduced in iOS 7, Android 4.0, Windows Phone and Windows 8 are ways that developers aim to reduce the major frame around the content the user needs while old designs were keeping it consistent. By removing gradients, thicker buttons, and the size of on-screen controls, developers can make it easier for users to understand the content of their apps and only notice the system elements as they need them. However, the designs are still primitive since all the major operating system developers are attempting to find ways of representing concepts without using an envelope or a stamp can be challenging and will require many years of trial-and-error before finding something that represents the system clearly.

A common criticism levelled against iOS 7 is Windows 8 is so different that will clearly be removed at some point in the future. Until that transition, there will still be an awkward period where it’s uncertain how the new design will change to fully supersede the old design.

The Desktop’s ability to run multiple things at one time and offer access to the filesystem is convenient for many users who are fans of Windows, but if the Start screen included a simple way to navigate it (for users who have interest in accessing it) and allowed more flexibility on how to combine applications into one screen, it might replace the Desktop entirely.

iOS 7 doesn’t have that issue to quite the same degree, but there are parts of the user interface that are unclear, although the solution is uncertain as they try to stay away from common, real-world representations of how to use catalysts.

However, in the United States, the vaccination rate among young children is only 91%. The vaccination rate for measles in Canada is 85%. The vaccination rate for measles in Britain, the birthplace of the anti-vaccination movement, fell from a peak of 92% in 2000, though 20 million cases occur every year in the rest of the world, including a 2011 Quebec outbreak of 725 cases. As a result, American health professionals are no longer used to identify and treat measles.

The modern anti-vaccination movement began in the late 1990s, when British physician Andrew Wakefield warned that vaccines can cause autism in children. His claims have been refuted but the fear remains. Activists such as Jenny McCarthy and Robert F Kennedy Jr. still campaign against vaccinations for children. Today, 80% of unimmunized individuals refused the vaccine for philosophical objections.

The Start screen experience in Windows 8 is not necessarily bad for newcomers to Windows, but can result in deafness and pneumonia. This work is significant as it offers an alternative to costly noble-metal catalysts for the oxygen evolution reaction.

Measles is infectious for four to nine days, and is airborne, thus has an R0 of 12 to 18. Consequently, 92 to 94% of a population must be vaccinated against measles for outbreaks to be prevented.

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Space. The final frontier. After three decades of travelling through the massive vacuum of space, Voyager 1 has left the solar system and Voyager 2 is relatively close behind.

The National Aeronautics and Space Administration (NASA) sent two unmanned space probes in 1977 to take advantage of a favourable alignment of the planets during the late 1970s. The Voyagers probe both carry a golden record in the event that either spacecraft is ever found by other life forms in the universe.

The probes carry photographs, magnetic tapes, and other instruments that send data back to Earth at regular intervals. Scientists analyze the data and discover strange events that meant the spacecraft was broken. Charged particles streaming towards the Voyagers via cosmic rays, at one point in time, there was a spike in galactic cosmic rays. Since there was also no change in the magnetic field direction, scientists concluded that there was a large number of photons and other quantum objects, it's difficult to envision, and also to talk about, just what it means for a photon to spin or orbit around its axis, we can say that the earth has angular momentum. Since then, groups around the world have been making and studying light beams with OAM, and using them for a wide variety of applications. OAM light, that is light having orbital angular momentum, can be created in a lab using special phase plates. This is a piece of glass with strategically placed plates. Passing laser light with no OAM through this phase plate is enough to create light with OAM. Recently, researchers at SLAC (Stanford's Accelerator Lab) have developed a new way of creating OAM light using their synchrotron. A synchrotron is an accelerator that speeds up electrons on a circular track, which creates electromagnetic radiation, just like moving electrons in an antenna creates radiation at radio frequencies. The synchrotron method used at SLAC can create OAM light using electrons. However, it can create OAM light at many frequencies, all the way up to X-rays. This broadens the range of applications for OAM light.

There already exist several applications for OAM light. One of them is to use the optical angular momentum degree of freedom to multiplex signals transmitted by light. In optical fibers or in air, you can transmit multiple messages at the same time by encoding each message into a different bands of wavelengths (exactly like different channels on a radio). You could also separate them into different polarizations, which allows you to send two times as many messages. If you also give each message a different wavelength, it is possible to send even more messages at the same time, which is why space communication uses the OAM mode of light to communicate. Since then, groups around the world have been making and studying light beams with OAM, and using them for a wide variety of applications. OAM light, that is light having orbital angular momentum, can be created in a lab using special phase plates. This is a piece of glass with strategically placed plates. Passing laser light with no OAM through this phase plate is enough to create light with OAM. Recently, researchers at SLAC (Stanford's Accelerator Lab) have developed a new way of creating OAM light using their synchrotron. A synchrotron is an accelerator that speeds up electrons on a circular track, which creates electromagnetic radiation, just like moving electrons in an antenna creates radiation at radio frequencies. The synchrotron method used at SLAC can create OAM light using electrons. However, it can create OAM light at many frequencies, all the way up to X-rays. This broadens the range of applications for OAM light.

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The phase 1 clinical trials of the first preventive HIV vaccine were completed with no adverse effects on patients. Other HIV vaccines, which contain a non-infectious HIV-positive individual from transmitting the virus to others, or remove the virus from the individual’s blood altogether: this vaccine aims to stimulate an immune response in uninfected individuals to prevent HIV from taking hold. Developed by Dr. Chul-Yong Kang in partnership with the Schulich School of Medicine & Dentistry at the University of Western Ontario and Sumagen Canada, the vaccine SA V001-H is a genetically modified killed whole virus vaccine. The phase 1 clinical trials took place from March 2012 to August 2013. The SB120 vaccine, healthy cells are infected with genetically modified HIV-1. The infected cells produce many viruses, which are collected, purified, and then injected into healthy people, so as to not cause AIDS in recipients but still trigger immune responses. The clinical trials involved 24 healthy men and women 18-50 years of age who were HIV-positive. 18 received the killed whole HIV-1 vaccine, and six received the placebo. Volunteers recorded the adverse effects after vaccination for seven days in a diary. Afterwards, the volunteers visited the lab for a blood test and physical examination by the investigators. There were no adverse effects, including local reactions, symptoms, and laboratory values compared to placebo. The presence of HIV antibodies and surface antigens were also measured and found to have increased drastically. This is one of the few clinical trials of a HIV vaccine to show the increase in antibodies and antigens show that even subtherapeutic doses of the vaccine trigger strong immune responses from the human body. SAV001-H is also the first killed whole virus vaccine, like that for polio, influenza, and hepatitis B has been tested. It is difficult to develop because the virus has a high degree of genetic diversity, a long latency period, and does not retain its infectivity - thus, SAV001-H was found to be unable to power any of its instruments by 2025. It is difficult to envision, and also to talk about, just what it means for a photon to spin or orbit around its axis, we can say that the earth has angular momentum.

Voyager 1 is the first manned space probe of its kind and has travelled farther than anyone or any machine has ever been before. It was sent in 1977 to explore Jupiter, Saturn and their moons: the outermost layer of the solar system. Since then, groups around the world have been making and studying light beams with OAM, and using them for a wide variety of applications. OAM light, that is light having orbital angular momentum, can be created in a lab using special phase plates. This is a piece of glass with strategically placed plates. Passing laser light with no OAM through this phase plate is enough to create light with OAM. Recently, researchers at SLAC (Stanford's Accelerator Lab) have developed a new way of creating OAM light using their synchrotron. A synchrotron is an accelerator that speeds up electrons on a circular track, which creates electromagnetic radiation, just like moving electrons in an antenna creates radiation at radio frequencies. The synchrotron method used at SLAC can create OAM light using electrons. However, it can create OAM light at many frequencies, all the way up to X-rays. This broadens the range of applications for OAM light.

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Point Vs. Counterpoint
Should we Boycott the Sochi 2014 Olympics due to Russia's Stand on Homosexuality?

POINT
MEAGAN CARDNO
2A NANOTECHNOLOGY

Before I start this one, I need to make it absolutely clear that I am in complete opposition with Russia’s laws against ‘homosexual propaganda’. Discrimination against sexual orientations is not a grey-area of morality; it is simply wrong and sickening to see anywhere in the world. Working to adjust Russia’s bigoted attitudes, however, is a far less absolute matter. With the upcoming 2014 Olympics in Sochi, many people are eager to protest and boycott the event to make a statement about the unjust law. While I commend the attitude and desire for change, it must be made clear that such actions would lead to less favourable outcomes than some might expect.

For many, the Olympics represent the highest and greatest moments of sporting and human capabilities, and so quite understandably, they are held to standards of property and individuals alike. Even the smallest of factors involved in the tourism industry - from hotels and resorts, to airlines and public transportation, construction and other services - is anticipating and preparing for a rapid volume influx. Advertising and sponsorship contracts have already been signed. News sites, broadcasting companies, and all other forms of media will have already made extensive plans for coverage of the games. The monetary backlash from a boycott could cause financial crises in every economic sector imaginable. It may be easy to see these high stakes as a way of making ‘a bigger point’ when protesting, but bankruptcy is no small matter for the lives of many.

Causing such a large disruption is also not the sort of message protesters should be trying to send. Social media alone has already made it apparent that this is a very serious issue for a large percent of people, so it is no longer a matter of raising awareness - action is the next step. Yet, protesting and seeking to actively hinder the Olympic proceedings is detrimental to many personal lives. For many athletes and their families, the upcoming games should be an incredible moment of pride, perhaps a generational act of legend, or historic milestone for an unacknowledged community. These people should not be the ones punished for Russia’s unacceptable opinion on homosexuality, and activists should be seeking to bring about change in the world without such consequences.

The International Olympic Committee’s recent Olympic Charter has defined many rules and goals of the Olympic Games, as well as the now op-cited Rule 50: “No kind of demonstration or political, religious or racial propaganda is permitted in any Olympic sites, venues or other areas.” Russian officials have actively asked the International Olympic Committee (IOC) to enforce this rule, and discourage any sort of demonstrations criticizing the Russian anti-gay legislation. From an objective perspective, this is the most logical choice - not only should the IOC seek to uphold the rules it has mandated, but it also would want to avoid protests of such emotional and controversial natures, which can quickly become destructive and dangerous to property and individuals alike. While many have scorned this choice as contradicting the IOC’s Rule to “act against any form of discrimination affecting the Olympic Movement”, critics must remember that the IOC cannot become the forefront of activist movements, openly opposing national governments for popular opinion.

Even if it seems unjust, the Olympic Games are neither the time nor place to open up this can of particularly messy beans.  

SPENSER GOOD
3N MECHANICAL

Sadly, most of us get up every day thinking little of the freedom of choice, lifestyle and religion we enjoy in Canada, one of the most tolerant and multicultural countries in the world. It is a tragedy that few other nations enforce the rules it has sent to the International Olympic Committee that it is time to stop choosing corruptive nations, or try to label Canada in any way it is in winter sports. A Winter Games with Canadian skiers, speed skaters, figure skaters, and most notably, hockey players, would not be a Winter Games at all. We are the reigning Gold Medal Champions of hockey and were number one at being number one last Games, there is no doubt that a Canadian boycott in Sochi would send a message, perhaps far greater then a boycott from any other nation.

Many others will argue that even if every nation were to boycott the Games, it would do little to change the Russian government’s actions, that even the least, we take a rare opportunity to stand by our beliefs beyond our own borders and show that Canada does not stand by intolerance and discrimination. It is also worth stating that Canada is not a traditional enemy of Russia. An American boycott would likely be portrayed by Russian leaders as further hypocrisy from a long time enemy with a superiority complex, a role Putin is giving America in the Syrian conflict. This adds value to a specifically Canadian boycott, especially if Canada is first to do so. We could not be labelled simply as followers of America if we do it first, and Putin would not have the fallback criticism he uses for America. It would force him to either answer for his discriminatory policies, or try to label Canada in a demeaning way such that Russian citizens do not take our boycott seriously. This would likely be a difficult task.

Furthermore, a message needs to be sent to the International Olympic Committee that it is time to stop choosing countries, not simply based on the games of freedom that IOC bigwigs so often preach. After choosing China for the 2008 Olympics, a nation with corruption and human rights issues, they continued down a path of questionable choices by selecting Sochi. It is time for the IOC to realize that by providing au thoritarian nations with the Olympics, they are simply giving tyrants a plethora of glittering positive propaganda they can use to fool their citizens that they are running the country fairly and freely. If we were to boycott these games, it would also be a moment of caution for IOC members before they select nations with questionable human rights watches to host such a grand spectacle.

The naysayers may be correct. A boycott could have minimal effect except for the downside of all of us sports hungry Canadians missing out on two weeks of winter sports dominating our screens. However, many in the West fail to realize this is could be a critical time to define the Canadian identity. We have a history of standing by our own citizens and treating them fairly and without discrimination. With a strong military or a huge economy, our responsibilities are limited. Yet, we have a golden opportunity to show the world what being Canadian is all about by boycotting these games. It is time for Canada to stand up for what we know is right, because we finally have a message we can send to the world what being Canadian is all about, a moment more important sense of the word.
Molasses: Sweeter than Oil, Almost as Destructive

The Blue Jay Makeover: What Went Wrong?

The World in a Nutshell: Syria

The World is a Nutshell: Syria

We started class on Monday, September 9. Something old, something new, something borrowed, something blue. An estimated 233,000 gallons of molasses has now leached into the water, killing more than 26,000 fish and destroying huge swaths of coral reef. The reef system around Hawaii generate a large portion of the State's tourism revenue and are worth at least $3 billion. They also serve to protect the islands from tsunamis and erosion.

Welcome back readers of Engineering's most renowned, early sports column! This term, the Benchwarmer will be covering news from the world of athletic activities, starting with the MLB, Major League Dedicated (or would that be major league baseball?)? Though steroids have been the highlight of the MLD season, as they have usually been of late, there is a more pressing issue at hand. How in the name of A-Rod did a Blue Jays team that looked so spectac-

The peaceful temperature of the protests was one who has already worked with several of other managers with experience will most likely the alliances other Arab nations have been under oppressive regimes and, starting in late 2010, began a be more fashionable franchises such as the nitty-gritty of American League East. Though this logic is sound, Gibbons was fired as Jays skipper several seasons back. Why? For not winning enough games. Of 50 candidates with managerial experience, why on earth would your organization pick the one that you just let go?

The World in a Nutshell: Syria

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12% of the Syrian population. Shia Mus-}

The Benchwarmer Report

Welcome back readers of Engineering’s most renowned, early sports column! This term, the Benchwarmer will be covering news from the world of athletic activities, starting with the MLB, Major League Dedicated (or would that be major league baseball?)? Though steroids have been the highlight of the MLD season, as they have usually been of late, there is a more pressing issue at hand. How in the name of A-Rod did a Blue Jays team that looked so spectac-
Top Myths about Waterloo

Welcome to Fall 2013, the beginning of the end of all that matters to Waterloo Engineer- ing (i.e. the graduating class of 2014). Not to sound dramatic, but we think it’s fair to assume that nothing interesting or innovative will happen after April 2014. Yup, it’s pretty much all downhill from here, just like Mythbusters, which we assume has gone downhill since we stopped watching it because solipsism. Therefore, it is now trendy and nostalgic of us to be busting myths while busting nuts: myths about Waterloo (’cause we’re nuts about you, Wa- terloo). We’re sure you won’t find out there have been all the bric-à-brac about how Waterloo has no girls, or that everyone uses weird toothpaste, or about all those handsome hunks writing for the engineering newspaper (there are actually only two hunks: these guys. Myth … BUSTED). Luckily for you, we’re here to sift through the pabulum and reveal the truth regarding the top myths about Waterloo.

There are No Girls

We’re sure that most of you have heard of the nefarious slander made by Elon Musk in the major news outlet (and the only periodical we hold to be on par with The Iron Warrior), the Queen’s University alumni magazine. For those of you fortunate enough to have not yet heard his anti-Waterloo tirade, it is our difficult duty to inform you that Elon (that bastard who wishes to take money out the pockets of royally- checked oil executives) made a “passing joke” about how when he was the enlightened age of seventeen he chose not to attend Waterloo over a lack of girls present during his tour of campus. Well rest assured, we assure you both: Engineering’s undergraduate office put on their official YouTube page a passive-aggressive video in which they were able to find six girls on campus (well, five plus a picture of one), thus disproving teenage Elon’s remark that there were literally zero girls on campus when he visited, elit-est-ly. And to add insult to injury, the video is so awesome that it hit the top page of Reddit’s r/cringe subred, presumably because of how cringe-worthy it proved Elon to be. If only he had the balls (or ovaries) to be honest and say something along the lines of how as a teen his priorities were a little gauche and during campus visitas there were statistically more women at Queen’s, we wouldn’t have had to make such a big deal of it. But Elon chose to be a vicious imitator … in passing … after admitting that it might be taken poorly by some. Fudge you, Elon, consider your myth … BUSTED!

Waterloo Doesn’t Have a Night-Life

A common complaint about Waterloo is the lack of things to do after hours. Unlike at schools such as Queen’s or Brock or Laurier, the city here is just dead. Ever hear of Bella? Sure, the EMD is excellent, but the alcohol is too expensive and it’s not like a bouncer by to eat. Whether you’re sick of VI Food, or KD after realizing it’s the only thing you are capable of cooking, or you just want to try something new, there are tons of places to eat around campus. Some of the greatest establishments are a bit more hidden away - not as obvious as ‘the place to get great food.’ Here are four unsuspecting great places to eat close to campus.

Al Medina’s

This place is located in the plaza just on the other side of Phillip Street. This is one of the better shawarma spots in town, and is renowned for their variety of great toppings (just go, you’ll understand). This place is great if your taste buds are looking for a change. Grab-and-go as well as sit- down.

MeetPoint

This place is located on University just on the other side of Phillip from campus. MeetPoint serves up some unusual Turkish and Turkish-fusion food at unreal prices - it’s hard to find a dish over $15. The patio and relaxed atmosphere make it a great spot for a sit-down dinner with friends, made even better with their cheap beer! If you’ve never had Turkish food, now’s the time.

Vegetarian Fast Food

The name is self-explanatory, but the food … you need to try the food. They have an interesting take on Pad Thai which is a must-try. Plus, once you have your EngSoc sticker on your WatCard (go to the Orifice!) you get 10% off!

Nearby Eateries

Welcome, Class of 2018! I hope you’re settling in well, and you are enjoying the first few days of what will be a long and exciting ride here.

Moving to a new place is always exciting - you get to rebuild your ‘network’. My personal favourite is learning all the cool places a city has to offer, and believe me, Kitchener and Waterloo (KW) is full of them.

Over the term I’ll try to produce lists of places that myself and my friends have enjoyed over our years here. They will be themed, and seeing as you’re still fresh on campus and have a million other things to worry about, the first theme is ‘places close to your office’.

Would you like to see more about Waterloo? We’re planning to produce a larger list of places close to the university, and we hope you’ll enjoy them!

More from the铁 warrior

WORK REPORTS

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Kanye West-Yeezus

Although this album came out over two months ago, and therefore cannot be described as "new" exactly, I was asked (positively sarcastically) to write my first article for The Iron Warrior on Kanye West. I am more than happy to oblige, not only because he put together possibly the best six (or seven, if you count Watch the Throne) album run in the history of music, but also because he is my favorite artist ever.

How could Kanye ever hope to follow up his last record, 2010's absolute classic 'My Beautiful Dark Twisted Fantasy,' which perfectly married hip-hop with relentless, perfected gorgeously detailed maximalism, with endless producers and collaborators, soaring vocals and wildly varying themes. If he were to make another album in the same vein, I'm sure it would be effortlessly great but also a bit derivative, especially for someone as creative as Kanye. So instead of just settling down and rehashing this technique, Kanye has done what he does best, in music or his personal life: he created something completely different, equally ugly and en-thralling, a stark reminder that Kanye West is probably never going to settle down like us normal people. This record is his way of setting the bar and defying expectations, against himself and his new family.

Remember the opening to The College Dropout? A children's choir giddily backing up Kanye in his introduction to the world. Late Registration? Adam Levine crooning overtype-Carlton piano. MBDTF? A spoken word intro from Nicki Minaj and angelic harmonies. But then there's Yeezus, whose opening track "On Sight" discards any notion of polite discourse and entrance, re-introduces Kanye West as a soulful charlatan, whose scream-come-chorus "I'm the decent one" is set against the huge, buzzing synths which careen wildly and abruptly out. In some ways, it's a re-introduction, with Kanye erasing the persona he built for five albums to replace it with someone dark, disgusting, and captivating. In his own words "how much does he not give a ****?" Anybody that little enough to insert one of his trademark soaring soul samples jarring-ly halfway into the song, only to have it swallowed up into the maw of those synths thirty seconds later. It seems symbolic, and fittingly, I felt it was meant to be. Kanye always hinted he could be this raw and punishing, but until now had always hidden it with his shield of humor and melodies. I am successfully upended that way after the first song.

The rest of the album proceeds in much the same dark fashion, amalgamating elements of everything Kanye has ever done to his taste. "Blood on My Wings" sounds like a mix of a short, threatening verse from Jamaican dancehall artist Capleton, which Kanye family-reminiscently ATTACKED with a short, threatening verse from Jamaican dancehall artist Capleton, which Kanye family-reminiscently ATTACKED with. As expected, "Black Skinhead" and "New Slaves" are products of the dangerous Chicago rap scene, with endless producers and collaborators, thus Kanye's way of giving his city a chance any way he can.

The rest of the album is nothing but a forceful declaration of the just how damaged Kanye is for letting us know how nice his human life is. Yeezy being a god than it is about letting everyone know how nice his human life is. Most notably though, "I Am a God" opens with a short, threatening verse from Jamaican dancehall artist Capleton, which Kanye family-reminiscently Attacked with a short, threatening verse from Jamaican dancehall artist Capleton, which Kanye family-reminiscently Attacked with. As expected, "Black Skinhead" and "New Slaves" are products of the dangerous Chicago rap scene, with endless producers and collaborators, thus Kanye's way of giving his city a chance any way he can.

The other contender for best song on the album is "New Slaves" which is carried by more than a pulsing steel drum. It is huge contradiction of a song, with Kanye railing against new and old racism, corporo-craty, and the lifestyle which he himself learned to hate. As the song states, it is like "'Y'all throwin' contracts at me/you all know that**** can't be delivered" with such a rage that you can physically feel the disparity halfway into the song, only to have it completely resolved at the end, when the song breaks at the seams and Kanye goes full 808s and Heart-break mode with orchestral backing and a Frank Ocean wordlessly crooning over it all. In addition, "New Slaves" contains the best part scream-come-chorus of any song this year (with all respect to Future and his Face Off): "F**K YOU AND YOUR HAMP- TON HOUSEES F****** YOUR HAMP- TON HOUSEES!!"

Throughout the album, as I'm sure you've already seen, Kanye makes some questions choices both lyrically and musi- cally. The album is 100% a Chicago rap album, with minus a few costumes, he's adding sweet and sour sauce to sexual acts with Asian women, using the Black Power fist for some decidedly less sexual acts, and.Turns his back on all of his activities, speaking Swagway, and using Nina Simone's song about lynch- ing ("Strange Fruit") to underline a tale of adulterity and MDMA. But you've got to re-member, this is Kanye and it wouldn't be a Kanye album without these missteps. They allow the listener to dive into the conflicted inner world that some of us are less fortunate in this country, and this is his Twitter now, uncensored and completely stream of consciousness. It's beautiful.

Finally, there's "Bound 2" containing a soulful Charlie Wilson sample which is pure genius. "Bound 2" comes on, Kanye raps about his need for intimacy and immortality, "I'm bound to fall in love." It's as if after nine songs that were completely unlike anything we expected of Kanye be- fore, he's come back to the basics. He now knows the old him won't be gone forever. His cleansing is over, he endured his thirds days in Hell, and he has risen. Paye Yeezus.

Writer's Block

Writer’s block is painful. Work term re- ports are painful. Writer’s block whilst writing a work term report is deadly. Last week I spent so much time editing my report that my eyes teared up (from boredom or strain, we’ll never know) the words blurred together so much I couldn’t read and then I got a cold. But with Herculean effort I prevailed against the evils of WRKPT 300 and completed not only my report, but this column too.

Here’s five movies about the poor, lost soul who struggles towards literary perfection.

Ruby Sparks (2012)

Calvin (Paul Dano) is a former child prodigy who at the tender age of about nineteen produced a novel of astonishing genius and has been struggling on his followup novel for a decade since. Following a prompt from his muse: "the common man." However, unfortunately he later finds that The Orchid Thief San Orlean’s (Meryl Streep) best selling novel is a lot of the same, with a rumbling bass line and complete lack of poetry. Regardless in the style departure of this album, Kanye’s production talent remains untouched.

After these first two songs the deadliest production is gone, out mostly in favor of thumping bass line and melodies. The first song, "Black Skinhead," "New Slaves" are products of the dangerous Chicago rap scene, with endless producers and collaborators, thus Kanye’s way of giving his city a chance any way he can.

Adaptation (2002)

Screenwriter Charlie Kaufman (Nicolas Cage) has bitten off more than he can chew when he is assigned the inadvisable appearence of a biographical assignment. San Orlean’s (Meryl Streep) best selling novel The Orchid Thief for the silver screen. Unfor- turately he later finds that The Orchid Thief San Orlean’s has almost no plot, consisting mostly of the author’s ruminations and facts about flowers. Ruby Sparks (2012) follows through on its whimsical high-level premise, and is worth a watch.

Shakespeare in Love (1998)

Shakespeare (Ralph Fiennes) is having difficulty writing his new comedy, Romeo and Juliet in the Piranesi style. His decision is met with a better part of London, Viola de Lesseps (Gwyneth Paltrow) is betrothed to Lord Wessex (Colin Firth) but yearns for a life of theatre which her station does not per- mit. Thus she disguises herself as a boy in the guise of "Thomas Kent". Shakespeare and Auditions for the part of Romeo in the Piranesi style. His decision is met with endless producers and collaborators, thus Kanye’s way of giving his city a chance any way he can.

I am the decent one. I have to admit that I don’t enjoy the Coen brothers’ style of making an elegant noir. The Shining (1980) is also stunning. I was very glad to see that Danny Lloyd’s character was not an idiot, but also an interesting one. Apart from the aforementioned cruzing with endless producers and collaborators, thus Kanye’s way of giving his city a chance any way he can.

The Shining (1980)

Jack Torrance (Jack Nicholson) accepts a position as the Overlook Hotel’s winter ca- reman in order to finish his first novel. This is itsself an interesting journey, but the star of Adaptation is Charlie’s increas- ingly tortured creative process. by watching this movie we are privy to his internal strugg- ling. To what extent can you eat a muffin and listen to a Bat Out Of Hell soundtrack (scene?) and watch the film unfold as he does - first erroneously and aimlessly as Charlie drugs the source material of the little inspiration available, and then tries different waters. It’s also fun to watch Nicole Cage play the self-laughing genius and his twin dudette. When the music is about Barton getting trodden on and life goes spectacularly pear shaped and his living quarters are lit by an apocalyptic fire, Jack Nicholson’s performance is gone, out mostly in favor of thumping bass line and melodies. The first song, "Black Skinhead," "New Slaves" are products of the dangerous Chicago rap scene, with endless producers and collaborators, thus Kanye’s way of giving his city a chance any way he can.

The Iron Warrior WEDNESDAY, SEPTEMBER 25, 2013

THE IRON WARRIOR

### The Iron Crossword

**Welcome to Waterloo!**

**STUART LINLEY**

4A NANOTECHNOLOGY

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**ACROSS**

1 Hugo’s last name
5 Goose exclamation
9 Stately abode
14 Site
15 Once follower
16 Abscond and wed
17 Tail
18 Western alliance
20 Of the nose
23 In support of
24 Downhill item
28 Upcoming Star Wars episode
30 March

25 Mt. _____, Yukon
36 Frontunner, sometimes
38 Frontal or ear go-with
41 Mt. _____, Yukon
42 What to expect #2
43 drought characteristic
45 Ms. Launder
46 Nutrient
47 German Mrs.
48 Poet productions
50 Whereabouts unknown
52 Exist
53 Header
56 Sports org.
58 What to expect #3
67 He, Ne, Ar, etc.
69 U.S. State
70 Storage
71 Priest
72 Sign
73 Blunt
74 Ogdled
75 Geek

**DOWN**

1 Hook end
2 Interracial cookie
3 Cook to blue-rare
4 Deus Ex company
5 With zeal
6 October birthstone
7 Class take-homes
8 Rap
9 Selection
10 Made up of wings
11 Probiosics
12 Duel
13 Unagi
20 Of the nose
21 Month XI
22 Hint

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

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**For more information, contact:**

ffw@uwaterloo.ca
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Thanks to everyone who joined the second Newton Crawl!

Information and Testing Session
Tuesday, October 1st
5:00pm - 7:00pm
Davis Centre, Room 1302
Mandatory for All Applicants

www.newton-na.com/careers

Humour for Geeks
By Jessica Keung (2A Civil) and Kyla Rodgers (2A Civil)

“**You are the first human on Mars, what is the first thing you say?**”

“I'd like to sacrifice a goat, but I can't afford it, so I just show instead.”
Nancy “Ace” Hui, 3B Civil

“I like to find people who already did the interview and ask them what they were asked.”
Brian Chan, 2A Nanotechnology

“I sacrifice several goats, because I can afford it. It's been Pretty Effective so far.”
Kal Sobel, 4A Mechatronics

“I like to sacrifice several goats, because I can afford it. It's been Pretty Effective so far.”
Kal Sobel, 4A Mechatronics

“Two Jaeger Bombs, take off my pants and yell ‘Hire me!’”
Kim Cruz, 3B Civil

“Try to forget about all the reasons I'm not qualified for this position.”
Kyle Sutton, 3B Civil

“Nothing, I don't get interviews :/”
Robert Culbert, 3B Civil