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Meet Your New EngFOC

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SPECIAL ENGSOC ELECTION COVERAGE



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The Brewman Group Goes to The Nation's Capital

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<http://iwarrior.uwaterloo.ca>

FEDS Referendum Results Released

Students Vote For Health Services, Vote Against Student Services Complex & SoundFM

ADRIANA CAMERON, MARC TAN, MATT CASWELL

2T MECHANICAL, 2T CIVIL, 2T CIVIL

At noon on Friday November 13, the Great Hall of the Student Life Centre was filled with anticipation as students gathered to hear the results of the three recent undergraduate FEDS referendums. The referendum voting period opened on Monday November 9th and closed on Wednesday November 11th. The three referendum topics were a \$49.50 fee increase to fund the proposed Student Services Complex, a \$10.00 fee increase to fund a Health Services expansion, and a proposed \$2.50 fee that would support the operation of 100.3 SoundFM. FEDS President, Allan Babor, and Referendum Committee Communications Delegate, Matthew Waller, announced that the fee increase for the Health Services extension had passed whereas the Students Services Complex and the 100.3 SoundFM fee failed to pass.

Student Services Complex

The new Student Services Complex was proposed by the Federation of Students, Graduate Student Association, and the University of Waterloo in order to provide more

space for student services and to enhance student life. The proposed building would have housed the Student Resource Centre (Formerly Ombudsperson), Visitors Centre, Retail Services, the Office of Organizational and Human Development (OHD), the Office for Persons with Disabilities (and Exam Centre), the Student Life Office, a Writing Clinic, Counselling Services, and a multi-faith prayer room. The new building would have also provided social space, office space, 24 hour study space, and meeting space which would have been available for students to book. Space in this building would have also been designated to graduate students as the proposed facility would have included a Graduate Student Lounge, Graduate Studies Office, Graduate Student Association, and a new Grad House facility. The proposed Student Services Complex would have been located on South Campus where Parking Lot H is currently located.

The referendum question asked "Do you support the addition of \$49.50 to the Student Coordinated Plan fee to contribute to the proposed new Student Services Complex?" The University would have paid for the operating costs of the building which is estimated to be \$1 million per year. The



studentspace.uwaterloo.ca

The Health Services Expansion was the only proposal that passed.

proposed \$49.50 fee would go towards paying off the capital cost of the building which would take an estimated 20 years. The fee would not have been implemented until the building was open for student use which

was estimated to be in 2012-2013. The referendum failed to pass with 1819 students voting "Yes", 2546 students voting "No",

See **GROWING NEEDS** on Page 6

The Wall Fell

KATE HEYMANS
1A CHEMICAL

On November 9, world leaders gathered in Berlin to celebrate the fall of the Berlin Wall which for over 25 years had stood as a symbol of the fear and distrust caused by the Cold War. Why is this event so important twenty years later? Because it symbolizes a people that did not give up hope for freedom as well as the end of a conflict that separated the world in two.

In Germany the event is greatly celebrated as the day that Germany began to reunify (it is not Germany's National Day because a major, anti-Jewish pogrom, Kristallnacht, occurred on the same day in 1938). Angela Merkel, the German Chancellor retraced her own steps from that fateful night (Merkel grew up in East Germany) and made an optimistic speech about the future development of Germany stating that, although the former DDR (East Germany) stills lags behind in economic growth, "we brought down the Iron Curtain and I am convinced that this will give us the strength for the 21st century".

Other leaders such as British Prime Minister Gordon Brown, French President Nicolas Sarkozy and American Secretary of State Hilary Clinton also traveled to Berlin in order to celebrate. Clinton unveiled a surprise video of U.S. President Obama addressing the Berliners. After the various leaders made their speeches, fireworks were lit and a chain of 1,000 foam dominoes, painted with messages of freedom, was top-

See **REMEMBERING** on Page 2

WEC Becomes a 150-Person Event

KEVIN LING AND KEVIN LIU
WATERLOO ENGINEERING COMPETITION DIRECTORS

Just a year ago, there was no formal selection process for UW representatives to the annual Ontario Engineering Competition (OEC). A qualifiers 'competition' was held with 12 to 20 people across all the design categories, and most students automatically advanced to OEC. The qualifier had very little resemblance to the actual competition that teams would be competing in at OEC and as a result, teams were often unprepared.

After evaluating UW's performance at OEC 2009, the Engineering Society and Sanford Fleming Foundation (SFF), with the help of Professor Lambert, decided to found the Waterloo Engineering Competition (WEC) to increase UW's competitiveness at OEC's.

The mission of WEC is to select the most talented engineering students to represent UW at the Ontario Engineering Competition. This term's WEC spanned four days and encompassed five different categories: junior team design, senior team design, consulting engineering, SFF debates and SFF technical speaking.

Since its premier last term, the Waterloo Engineering Competition has become an event with over 150 people involved, including competitors, directors, volunteers, and judges. Registration for the Junior Team Design category was full days before the registration deadline. Senior Team Design and Consulting Engineering had a good showing of teams, however neither of

these two categories reached capacity.

The task of the Junior Team Design competition was to unhook a hanging object at the bottom of a ramp, and then transport it to the top of the ramp and set it down on a platform. While this may sound simple, the challenge is to do all this using household objects, springs, rattraps, and various other little items. There were no motors in this competition, so all the solutions had to be entirely mechanical. The 18 teams that

competed all had impressive designs.

At the same time that the Junior Team Design was running, Senior Team Design was held in the next building. Their task? Minesweeping! Teams had to design and build vehicles to extract mines out of holes. Over the hills, around the mountain, and across the lake, the terrain was an obstacle course with added objectives. Small nuts

See **BEST TEAMS** on Page 4



A group of students works on their design in the Senior Design Category at the Waterloo Engineering Competition.

Kevin Liu

Letter From The Editor

Views on the Referendum Results



TREVOR JENKINS
EDITOR-IN-CHIEF

Off the top, I'd like to thank everyone who helped make this issue come together. I'd also like to apologize to everyone who wrote an article that wasn't published. We are often extremely tight on space so in situations like this, we face the problem of having to select articles for publication. To those individuals who are affected, I'd like to let you know that I'll do my best to get it into our final issue of the term.

If you read my last editorial, you'll likely know that I'm upset with the results of almost all of the FEDS referendums. I supported all three motions, primarily based on the fact that all three would have made positive contributions to student life here on campus. In case you didn't know already, only the Health Services expansion passed, while both SoundFM and the Student Services Complex failed.

Since the results were announced, I've had a chance to talk to a lot of people about the outcomes. While most were supportive of all three motions, I found that those who were often against one didn't really know the facts behind it. While this is probably overdue, I figure I'll provide some commentary on the outcomes from my perspective.

Student Services Complex

The Student Services Complex was to be a new student building on campus that would be shared between both undergraduate and graduate students. A good portion of the building was meant to become new student social and study space, while the remainder would be used for academic student support services.

The most common argument against the new Student Services Complex was that most students felt that it was something that either the university or the government should be paying for. In principle, I can understand where these people are coming from. As a counterpoint to this idea, think about where both the university and government get their money from- US! No matter what, we're ultimately the ones who would have been paying for this building. Sure, we can say that if the government paid for it then *everyone* would be paying for it, but then really *we'd* just be paying for another student services complex at some other university too. The fact is that we had the chance to take a progressive step forward to show that we as students cared about the future space needs of students.

Imagine if the original referendum to expand the SLC had never passed, and the only student space on campus would have been the original Student Centre portion (ie. Where the Great Hall is). We thought we were short on space now- imagine if that was all we had. The students who were on campus in the late '80s were progressive enough to pass a motion that raised

the fee to help pay for that expansion. It's worth noting that the expansion was finally paid off this year, and I think the expansion is a space that we've all taken advantage of at one time or another. We had a chance to take a progressive step forward but instead decided to stand still and let someone else do it.

Another major argument against this building was the fact that people were against the idea that they'd have to pay for a building they'd never use. This shows more than anything a lack of voter knowledge on the issue. One of the key messages that the 'Yes' campaign was trying to get across the entire time was that students would not fund any portion of the building until it was nearly completed in about 2012. I thought it was a message that was easy to understand and that got out there, but apparently it wasn't. I have since encountered a large number of people who didn't know this. Whether this was poor campaigning on the part of the 'Yes' committee, or just the result of student apathy, I don't know.

SoundFM

I think the worst loss of this entire referendum process was the 'No' to SoundFM campaign. SoundFM, formerly CKMS, is the campus radio station that has been operating for over 30 years. It had been previously receiving \$5.50 per term before a referendum in Winter 2008 passed that revoked all student funding. Since then, the station has completely rebuilt its operating structure, including how many students are actually involved. The proposal that was rejected would have seen SoundFM receive \$2.50 per student that would be refundable at request. The fee would have been tied to the CPI.

Following the announcement of the results, the station temporarily closed down operations while the Board of Directors had a chance to decide the future course of action. As of press time, SoundFM has announced they will continue operations until December 4th, 2009 and will try to find some new way of staying afloat. Should it be unable to keep operating, there is a good possibility that it will lose its operating license- something that is nearly impossible to get back.

I'm upset to see another campus media outlet so close to being lost, leaving only *The Iron Warrior*, *Imprint*, *MathNEWS*, *The Boar*, and *The Daily Bulletin* as the only news organizations on campus. SoundFM may not have been listened to students all around campus but it proved to be an effective resource for students to get out and involved. The diverse content that it played was like a blooming flower in the otherwise dull campus that is Waterloo. It would be a dark day if SoundFM was forced to permanently shut down its operation.

I truly hope that they find way to continue operating.

FEDS Involvement in the Process

I think my biggest issue with this entire process has to be FED's involvement in the process.

As the official representative of the undergraduate student body, you'd expect that they would wish to remain impartial and would aim to get students educated about this entire process. Their actions would however point otherwise.

I think the biggest conflict of interest during the entire referendum process had to be the fact that FEDS was helping to pay for the marketing posters for the new buildings, in part with the University and Graduate Students Association. These would have been the big, colour posters that were spread across various locations across campus, most notably in a set of windows in South Campus Hall at the northern entrance.

You'd expect FEDS to want to distance itself from such an overt conflict of interest during a referendum process. However, that was not the case and instead the giant posters were left all around campus. As a supporter of both buildings you'd expect me to not have an issue with this, but if we really wanted a fair and balanced referendum, then I think the only way to achieve such would be to have the posters taken down- it's the only fair way.

Another FEDS blunder was *when* they chose to put forward this entire process. It is evident that this wasn't something that just *happened* overnight. A large amount of planning must have been undertaken to get the posters and website put together. As such, you would have expected them to pick a better time to have the campaigning period- not during part of Hell Week for engineers and other midterm period for others across campus. This ill-choice of time reflects poorly on FEDS leadership because it just furthers the evident disconnect. While likely logistically difficult, a campaigning process occurring earlier in the term, when people still have time to do things other than study, would have likely resulted in students who were better informed before voting. By just having it in midterm season, only the 10% of the student population who really cared were actually able to get informed and care about the issues at hand. I hope that in the upcoming Executive Elections in the winter that they can choose a campaign period that won't alienate so many students away from being informed.

While the results of two of the referendums are disappointing to me, I guess the majority have spoken and it's time to accept the results for the time being. I'm sure both issues will arise again since the lack of student space on campus will continue to grow, and the stronger supporters of SoundFM will make sure they explore every avenue of action before giving up.

I hope FEDS has also learned a thing or two about these referendums. The poor timing of this undertaking had led to a group of ill-informed students from my viewpoint, and continuing the status-quo will only lead us down a winding path to no where.

I honestly hope that the upcoming Engineering Society Elections go a lot smoother.

Remembering the Sacrifice

REMEMBERING from Page 1

pled along where the wall once stood (there was a practice run of the "domino toppling" in June to prepare for the event). The former Polish President, Lech Walesa and ex-Hungarian Prime Minister Miklos Nemeth were chosen to set off the first wave of dominoes in remembrance of Mr. Nemeth's decision to open his country's borders, allowing East Germans to flee to West Germany and leading the rushed announcement of the opening

of Eastern German borders on November 9, 1989.

Remembering the Sacrifice,

This week was also the host to Remembrance Day. This day commemorates the signing of the armistice on November 11, 1918. The causes of the First World War are relatively shady and obscure but Remembrance Day is not about remembering the causes of the war (or blaming anybody) but rather about remembering a sacrifice made by those who fought in the First World War. Today, the sig-

nificance of Remembrance day has typically been extended to remembering the sacrifice of all fighting troops. Poppies are worn in reference to John McCrae's famous poem "In Flanders' Fields" but most people just wear them to show support for Remembrance Day. Ceremonies this year included a ceremony at the National War Memorial on Confederation Square, another was held at the Kandahar Airfield in Afghanistan and finally there were a couple of ceremonies on campus including one in the SLC and another in the CPH foyer.

THE IRON WARRIOR

The Newspaper of the University of Waterloo Engineering Society

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The Iron Warrior encourages submissions from students, faculty and members of the university community. Submissions should reflect the concerns and intellectual standards of the university in general. The author's name and phone number should be included.

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Letters to the Editor

RE: November 4th PDEng Content

Dear Editor,

This letter is a follow up to my letter in the previous issue of IW concerning the PDEng program and the response of the PDEng staff to the independent review of same.

In my previous letter, I recommended that students should be left alone on their work term. I stand by that recommendation. Students have enough to deal with in the working world without adding lengthy assignments that take from their ability to work overtime or experience their work term environment after hours. They get enough of those in their academic terms. The material covered by PDEng (case studies, engineering ethics, professional development) is very important and for that reason, should be taught in a classroom environment by experienced engineers working in industry and/or lawyers who deal with these things in court NOT by .pdf file instruction in front

of a computer. In many cases, these experienced people would have to be brought in as guest lecturers.

The two pages of “defence” of the PDEng program in the last issue spent many words thanking everybody for the review, although one doubts the sincerity of that due to the extreme criticism levelled by the report. This is evidenced by the fact that **NOT ONE** of the “serious concerns” mentioned on pages 12-14 of the review were addressed in the “defence”. Instead the report was criticised because of a “*lack of a companion document providing the context to the report and its findings*”. What is this mysterious “context” and why is this double talk used to avoid the issues brought to our attention by the reviewers who interviewed many people from every area of those affected by PDEng?

In summary, the “serious concerns” that were not addressed by the “defence” are:

-The .pdf delivery prevents interactive learning and makes it difficult for many

work term students to get access to computer facilities after hours.

- The delivery is disconnected from campus courses

- Rigid, “rubric template marking” fosters “template writing” instead of thinking and self reflection.

- Resubmit quotas on first submission, encourages students to hand in poor first submissions in anticipation of the resubmit. Often the second submission was accepted with very few changes, supporting the suspicion of resubmit quotas.

- Students who became mentors reported that their instructions often conflicted with those given to students, so that they realized why their own submissions were rejected.

- The on-campus courses given to help students who would otherwise fail were often disconnected with the on-line version and students could fail for the ridiculous reason that they forgot to bring a book ... really.

- There is serious lack of communication

between the engineering departments and PDEng.

- The various student input to the review presented “*a very grim picture of the negative impact of the programme on the students’ morale, self-esteem and perception of their university. Students used terminology like: bitterness, humiliation, and loss of self-confidence to describe their reaction to constantly having to resubmit their work.*”

While we wait for answers to these charges, and demand a **speedy** and massive response to the review, I have another recommendation to add to those of my last submission:

In view of the severe criticism of the PDEng program by the independent review, amnesty should be declared for all those whose degrees are being withheld due to PDEng requirements.

Yours truly,

Don Fraser

Engineering Undergraduate Office

RE: November 4th PDEng Content

Students,

The PDEng programme was born out of a perceived need to make UW engineering students more “professional”. Does anyone know what that word means? According to PDEng’s ideal objective, a professional is a “competent, honest, fair minded, socially and environmentally conscious individual who strives for excellence with integrity”. However, the PDEng independent review highlights substantial evidence that the programme has had the opposite effect.

If you read the Review Panel’s Response to the Dean’s Six Review Aspects, you will notice that the word ‘learn’ and its variants appear seven times (mobile-device-friendly html: <http://www.eng.uwaterloo.ca/~tduberst>) and each time it appears, it refers to a distinct negative influence PDEng has had on the students, the university, or its reputation:

1. “In essence, answering the assignment has driven some students to learn to make up stories...”

2. “The PDEng programme is delivered in an on-line format that is basically a set of .pdf files for the students to read. This does not make for an interactive learning environment...”

3. “While rubrics are introduced to ensure fairness and consistency across markers, they have resulted in rigid “template marking” and in the students learning to focus on “template writing” as opposed to focusing on ideas and

self-reflection.”

4. “The resubmission policy [...] has led to a highly unacceptable and unprofessional coping strategy whereby many students submit a very rough draft assignment in which they invest very little time, and then wait for the markers to identify what needs to be done so they do it on resubmission. This “learned behavior” on the students’ part would be completely unacceptable in any work environment...”

5. “[The complete disconnect between PDEng and the engineering departments] clearly isolates the PDEng programme and sets it up as an added burden as opposed to an integral part of their overall learning experience.”

6. “The resubmission policy [was] an attempt to address the low success rate on assignments which ended up in the students learning to play the game, the staff load being increased by 50% or more, while skills did not change and student anger grew even more.”

7. “One key and clear opportunity is for the PDEng programme to become the vehicle for UW to develop and demonstrate the graduate attributes now required by the new CEAB regulations. Major “additional” opportunities exist for increased interaction with the co-op employers of students on work terms and for integration of the PDEng programme within the students’ learning experience.”

So what did we learn? PDEng teaches students to lie, waste time, invest no effort in our work, and generally turn off the part of the brain that distinguishes us from cattle. Further,

PDEng has encouraged unprofessional behaviour by necessitating that students commit time theft from their employers to complete their assignments in the allotted time. This is directly mentioned in the independent review where it states, “The [...] PDEng courses far and away exceed the ability for students to review, self reflect on, and then complete multiple submissions of an assignment.”. PDEng claims to be about creating “gracious professionals”, yet in practice it is a distraction from students’ professional commitment to doing their work. So this presents the question: Why are we forced to do PDEng?

As stated in the independent review, “...the value of the programme [is] not disputed by anyone”. Certainly, most students will agree that despite PDEng being a complete mess, it does have something to offer (PDEng 25’s ‘decision matrix’ and certain report-writing techniques come to mind). However, to justify the existence of five full courses based on a handful of useful concepts, is ridiculous.

Finally, in response to “From the Perspective of PDEng” (Iron Warrior, F09 issue 3), if we embrace Ms. MacGregor’s analogy of PDEng as “beta” - software jargon for ‘experimental’ - (this analogy was pretty much the extent of actual content in her 870-word editorial; an epic embodiment of PDEng-style writing) why is its completion required to receive a Bachelor of Applied Science from the University of Waterloo?

It would be a shameful legacy to resume our

part in the bureaucracy’s foot-dragging and shrug our shoulders as we find ourselves in the midst of this critical juncture. Not only is it clear that the PDEng Programme has failed by its own standards, but five years of frustration have led us to believe that no amount of feedback and constructive criticism, student surveys, or independent reviews will right its course.

It is time to ask the Dean’s Office to justify its commitment to keeping it “business as usual”, when all indicators point to a desperate need for drastic and immediate change. **THIS IS A CALL TO ACTION.** Taking the time now, as recent and future graduates, to save prospective students from this disgrace is our responsibility. If writing the Dean directly feels like a daunting undertaking, write a short email to either one (tduberst/schuberm@engmail) of us wherein you express your thoughts on the issue of PDEng, and we will do our best to present the Dean with a convincing and compelling case on your behalf (please include program, graduating year, and uwid so we know who you are). Let’s show the administration that we will not sit idly by as our sense of self-worth is eroded and our time wasted. Let’s, for once, work together and put PDEng in the ground.

Tamir Duberstein & Samuel Huberman
3T Mechanical

(Ed Note: Slight modifications were made to this letter at the request of the Iron Warrior Advisory Board to comply with our Policy Manual)



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Keith Peiris, Uzair Chutani

Spring 2009:

Jeffrey Aho, Aditya Sharma

Winter 2009:

Thilan Costa, Pareet Rahul

SFF Technical Speaker Competition

Fall 2009: Edgar Cao

Spring 2009: Rana Tehrani Yekta

Winter 2009: Bryan Sachdeva

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Dr. Hecker Exchange Scholarship

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TA Excellence Awards

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Prashant Prakash, Chemical

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Flu at the Loo: What You Can Do!



ALISON LEE
1A NANOTECHNOLOGY

You can run but you can't hide. It could be lurking behind your door, in your house, on this newspaper. It might already be infecting your friends, your mom, even you. The dreaded Swine Flu is upon us, so are we all going to die?

Lately there has been so much hype about the Swine that it's hard not to be skeptical. The media is making it out to be the next SARS, but the majority of confirmed H1N1 cases have been non-fatal and therefore unreported. Still, no one likes to be sick, so being bombarded with information is better than none at all. There have been over 1000 students missing class due to flu-like symptoms this term and it has hit UW's women's hockey, men's rugby, and varsity swim teams. There is no official count of confirmed cases on campus because not everyone goes to Health Services and the nurses work individually, but so far 1000 vaccinations have been given out in its public clinics.

Until recently, the H1N1 vaccine has

only been available to "high risk" members of the public, which means young children, pregnant women, and those with chronic illnesses. The Ontario Government promised to cover free vaccination for all residents of Ontario, but everyone who is not high risk has had to wait because it is in such high demand. Health Services ran out of the vaccine during the high risk clinics and is currently waiting on a new shipment. It was the first public clinic to offer it in the Waterloo area, although more clinics have since opened, such as the Doctor's Office in University Plaza.

If you want your H1N1 shot, there is a "healthy population" vaccination clinic scheduled for November 19-20 in the SLC's Multipurpose Room from 10am-5pm daily. This is dependent on whether the shipment of vaccine arrives, but Health Services won't cancel until the last minute. Also, if the clinic does run, expect massive lineups. The longest wait time for the high risk clinic was 1.5 hrs, so expect this to be longer. Your best bet is to visit their website, www.healthservices.uwaterloo.ca, for daily updates and to keep this article for reference! Also, classic preventative measures like frequent hand-washing and salt water rins-

ing are a great thing to do in the meantime. Go ahead, release your inner clean freak.

If you already have flu symptoms, stay home! Health Services is encouraging students to try and get better in isolation. You can access tools online to make sense of your symptoms, or call Health Services and Telehealth Ontario toll-free. Being antisocial for a few days is better than having no friends anymore because you gave them swine flu. Health Services has had a number of educational outreach programs with faculties, but admits that Engineering is often neglected. "We love you guys over there," says Sandra Gibson, a Health Educator, "but it's hard to reach you sometimes because you're so far."

Regardless, visiting to Health Services may not be the best idea if you can avoid it. The centre is nearly in pandemic mode with flu patient separation, pamphlets, sanitizer, and free face masks. If you are healthy, then try to stay that way by taking H1N1 seriously. Lastly, don't forget to have a little fun before the swine hype dies down. Faking symptoms is great for getting rid of unwanted attention, garnering undeserved sympathy, and having a little extra room on the bus. But I never told you this.

Useful resources

[Health Services Flu Hotline](http://www.healthservices.uwaterloo.ca)
519-888-4467
www.healthservices.uwaterloo.ca

Telehealth Ontario

1-866-797-0000
www.health.gov.on.ca/en/public/programs/telehealth/

Staying Healthy

- Don't touch your face
- Ditch the 5-second rule
- Don't share plates, cutlery, towels, etc. with room mates
- Gargle with warm salt water or Listerine twice a day to prevent H1N1 proliferation in the throat and nasal passages
- Swab your nostrils with warm salt water (yes that's right)
- Drink warm fluids to wash any possible virus into your highly acidic stomach

WEC Winners Head to OEC

BEST TEAMS from Page 1

and bolts were used to represent the mines. Several teams built electromagnets to solve the problem of picking up the mines. Unlike the Junior Team Design category, Senior Team Design is more focused on the building and controlling of a simple robot.

Meanwhile, the competitors in the Consulting Engineering Category were working to come up with a solution to an environmental problem. Remember the Winnipeg flood last winter that swept many homes off their foundations? For Consulting Engineering, teams had to come up with a feasible hypothetical solution to the problem and draft a report on it, as well as make a presentation to convince a panel of judges that their solution to the problem is the best.

What do competitors think at the end of the event? Senior competitors saw a huge improvement from the pre-WEC quali-

fiers, and also from the offering of WEC last term. One junior student was overheard calling WEC "the most fun since Frosh Week" and from all the exit surveys that were completed, everyone who participated was interested in competing in WEC again in the future.

Behind the scenes? The six directors spent hundreds of hours putting together the event – from designing the competition problems, to purchasing food and building materials, and to finally running the event.

After all the grueling competition from this year's competition, the judges carefully selected teams to move on and represent our university at OEC 2010. OEC 2010 will be held here at UW at the end of January. The Junior Team Design team will consist of:

Jason Neevel, Richard Laflamme, Hal McPhail, and Luke ten Kortenaar. Representing us in the Senior Team Design category are: Dave Boere, Matt Stewart, Tyler Reh, and Devon Galloway. And lastly, the four members of the Consulting Engineering team are: Angelo Alaimo, Alex Hogeveen Rutter, Adam Klett, and Adam Acovski.

Why should YOU participate in the next WEC? No sign-up fee, free food, door prizes from Novelties – what's not to like!? A common misconception about

First Place	Second Place
Junior Team Design	
Jason Neevel	Noah Hogan
Richard Laflamme	Eric Schouten
Hal McPhail	Peter Toenders
Luke ten Kortenaar	Graham Wulff
Senior Team Design	
Dave Boere	Garry Ma
Matt Stewart	Darcy Coleman
Tyler Reh	Darius Karel
Devon Galloway	Ikechukwu Eshiokwu
Consulting Engineering	
Angelo Alaimo	Trevor Jenkins
Alex Hogeveen Rutter	Adriana Cameron
Adam Klett	Will Zochodne
Adam Acovski	Ian Davies

WEC is that it takes a lot of time and preparation. Truth be told, it's a fun one-night thing, with absolutely zero prep work attached, for competitors. The event starts at dinnertime; you check in and munch on some snacks while you wait for all the other teams to arrive. When everyone's there, we tell you what the design problem is, and then you spend a few relaxed hours with the teammates that you've picked to enjoy a free dinner and come up with the perfect solution.

The next Waterloo Engineering Competition will be held in Spring 2010, as the qualifiers to the 2011 Ontario Engineering Competition. Want to be a director on the WEC organizing committee? Fill out the director application form on the EngSoc website!

Wheelchair Basketball Raises Money for Participation House

MYLES TAN
1A SYSTEMS DESIGN

On the morning of Sunday, November 8 at 11:00 am, the PAC small gym was host to the Engineering Society's B-Soc Wheelchair Basketball Fundraiser. Approximately sixteen Engineering Undergrad students showed up, ready for a lot of fun and exercise. The event raises money for the Brampton Participation House, which provides the wheelchairs for the day.

"This event is a lot of fun for us," says Paul Jakubowski, who co-organized the event, "Everybody has a great time, and it feels good to raise money for charity." Wheelchair Basketball happens once a term, and has been running for longer than most people can remember. In the past few years, A-Soc has not run Wheelchair basketball. Paul Jakubowski and Jon Warren, the organizers of the event on the B-Soc side, may unofficially run Wheelchair basketball in the upcoming winter term.

The event starts with some friendly Wheelchair Basketball, with players subbing on and off to accommodate everyone.

Despite mild aggressiveness and violence, everyone remains spirited as the teasing is all in good fun. Players who are taking a break and foreshadowing the great amount of pain they will be in the following day help themselves to various candies provided by Eng-Soc.

The event is rounded up with various Wheelchair competitions and Wheelchair Red Rover. Prizes are then distributed, the more appealing of which may include Moth Balls, Dog Chamois, Mashed Peas, and Themed Ziploc Bags.

The event is a great way get some (non-academic) exercise and get your heart pumping, as not many people are aware of the true strength and stamina required to wheel yourself around a basketball court for two hours. Smaller events like this are also great ways for first years to meet some upper-year students, and to become more familiar with Eng-Soc.

The event is free to attend, and donations are encouraged. This term, Wheelchair Basketball raised over one hundred dollars for Participation House, which is a care facility for persons with disabilities.

Want 150 P * * 5 Points for your class?

Bring your old midterms & exams to the Orifice!

Blank exam	50 Points
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Exam with Prof Solutions or Excellent Grades	150 Points

CSE exams are welcome!

Chemical, Management, Mechatronics and Nanotechnology exams are especially welcome!



Get Out and VOTE!

MIKE SELISKE
CHIEF RETURNING OFFICER

As many of you may have already realized there are campaign posters lining the halls and people wearing buttons at every turn, meaning that it could only be one time of the year. Election Time! That's right we will be electing a brand new set of executives for the next 16 months and it is up to you to pick them. First, you should get informed by attending the All Candidates Election Forum on Thursday November 19th at 11:30 in CPH foyer. After meeting all of the candidates and hearing what they have to say, the next step is to vote for the candidate you think is right for the job.

If you can't make it to the forum consider stopping by the EngSoc meeting on Wednesday November 18th at 5:30pm to hear the candidates give a short blurb about their platform. This is a great opportunity to put a face to the name. Candidates will also be making class visits so hopefully everyone will catch a

glimpse of the candidates and hear their campaigns. If you see one of them walking down the hall, stop and ask them a question or simply have a chat. It is very important to become informed and make the right decision and getting to know the candidates is probably the best way to ensure you are making the best decision.

Keep your eyes peeled on your WATIAM Inbox because on Saturday November 21st you will receive an email containing a special link which will take you to the elections website. Put in your Student ID and cast your vote, it's that simple. I will be sending out that link daily during the 4 day election period to those who have yet to vote so if you vote early, you stop getting annoying emails from me telling you to vote.

Get informed, ask questions and when you have gathered enough information, VOTE. Keep an eye on CPH foyer during election time for internet enabled polling stations and even possibly some goodies.

I look forward to seeing a 100% voter turnout.

Mad Hatter Semi-Formal



ALISON LEE
1A NANOTECHNOLOGY

Saturday November 14 was one crazy night, but that's to be expected when there are engineers involved. Engineering and AHS students mixed together for the Mad Hatter Semi-Formal at South Campus Hall and let loose. There were mad hats, plaid pants, and questionable-yet-entertaining dance moves. All in all it was a night to remember, or try to remember in some people's cases.

The Festival Room was all fancy with red table cloths and folded napkins as the night kicked off with dinner. Everyone thought the food was great and there were tables of appetizing snacks throughout the night. Around 8:30 the music started playing and more people showed up to dance. No matter what song was playing, there was always someone belting it out, someone pretending to know it, and someone making up a new dance to it.

At one point, a giant kangaroo visited the room. Although it is the AHS mascot, it didn't receive much of an enthusiastic welcome. That is, until the engineers started dancing with it.

When the Tool arrived, it was a whole different story. The dance music was replaced with hardcore rock to let people know it was in the building. AHS students looked confused as the engineers started the ritualistic "Tooool" chants. It was a great chance to meet the Tool up close (without touching of course) and bask in its shininess. The Tool posed for pictures with fans, but was not signing autographs that night.

A strange phenomenon of the evening was the high female to male ratio. Since arriving in September, I have never seen so many girls at an event involving engineering. Maybe this is the secret reason why we have mixers with other faculties? Those who were tired of dancing took a 20-min break in the bar line, which never got any shorter. Bar line karaoke was a popular activity, as were glow stick outfits and meeting random strangers. As bar service continued, dancing got more creative and there was more singing.

The semi-formal continued into the night and ended with no major incidents. It was a successful event with one of the highest attendance rates in recent memory, and the engineers were certainly well represented. There was no hockey game on, but it had all the other elements of a Saturday night well spent and everyone who went had a mad-hatting good time.

Going Green Has Never Been So Chic

**SUSTAINABLE TECHNOLOGY
EDUCATION PROJECT**
PRESS RELEASE

On Nov. 20, 2009, R4 Fashion will host the biggest names and emerging talent in Canadian fashion to promote the future generation of fashion designers who view fashion with an ethical & ecologically-sound practice. The event will advocate sustainable design and eco-friendly consumer decisions that reduce

our impact on the planet. Student designers will compete and a winner will be selected from a jury including Fashion Takes Action founder Kelly Drennan, and The Style Box founders Gail McInnes & Amanda Brugel, and Evan Biddell.

The evening will be emceed by Candice Batista of Rogers TV "A Greener Toronto" and will feature designers such as AIME, CARRIE, Thieves, Heidi Ackerman, and Cherry Blossom, who will present professionally

designed garments composed of organic and sustainable materials, courtesy of Telio. Testing their creativity, one piece must be created from alternative materials such as packaging, waste, and everyday recycled items.

The evening will also allow social entrepreneurs and students interested in sustainable design and the 'green' industry to network and learn from industry leaders. Guest speaker Aiden Abram – currently part of the UN Climate Change Conference 2009 in Copenha-

gen, Denmark – will discuss how the youth of today can spark positive change in their community.

R4 Fashion aims to hold an all eco-friendly event with eco-conscious hair & make-up styling by Agency Vert, a sustainably designed set & runway, and a selection of organic wine & beer. R4 Fashion will be held at the Atlantis Pavilions by Ontario Place, 955 Lakeshore Blvd. W., Toronto, at 8pm. Visit www.r4fashion.com for more info.

International Exchange: Don't Let Language Put You Off

PETER ROE
DIRECTOR, ENGINEERING EXCHANGES

I get lots of enquiries about exchange, and many people have made up their minds about where to go before they come to me. Being curious, I ask the reasons for their choice, and very frequently I'm told that the overriding reason is language. What the students who want to be taught in English don't know is this. There's a great deal of student mobility in Europe, so, more and more, courses, especially at the upper levels, are offered in English. Almost everywhere you go, you'll find English instruction. In some countries it only takes one student to change the language of instruction in a given course from the national language to English. So, in Norway you will find English instruction. In Holland, you will be given every assistance in English. In Lund, Sweden there's a big range of courses in English, listed on the university website. And the list goes on.

Of course, there are countries where all courses are given in the home language, Taiwan (Mandarin), Japan, Poland, Ukraine, Mexico for example. In these places you must have a good working knowledge of the appropriate language.

In France and Germany you need to have some knowledge of the home language, but there is always a language course available at or near the exchange partner. Returning students from Braunschweig have told me that about half their courses were in English. The French are also offering more courses in English.

Naturally, if you go to Norway, Denmark, Sweden, Finland, Holland, the Czech Republic, etc., it's a good idea to have a smattering of the language before you go, but you don't need a lot. Literally everyone on the street speaks at least some English. Of course you will learn their language, almost by osmosis, but you don't have to be fluent before you

go. For France, we suggest one course beyond high school, for Austria and Germany, two courses, or knowledge gained elsewhere. Don't let language be a barrier! You will come out of the experience knowing another language, and isn't that a good idea? But you don't need much before you go.

In general, English is the medium of instruction in our partner schools in England, Ireland, Wales, Australia, India, Hong Kong, Singapore and Turkey. English is a main medium of instruction in our partner schools in Norway, Denmark, Sweden, Finland, Holland and the Czech Republic. There's a substantial number

of courses available in English in most of our partners in Germany, France and Switzerland. You should not worry about language difficulties. You should follow our recommendations and familiarize yourself with the native language of your hosts, and you shouldn't reject a destination just because you need to brush up your skills. People have told me that they didn't learn enough in school to speak the language – so what? – when you came here you probably couldn't solve differential equations – that didn't stop you from being an Engineering student. Don't let language stop you from being an exchange student in an internation-

ally recognized school in Europe or Asia!

The next information session this term about exchange concentrates on Germany: why not come on November 19? You'll hear from German exchange students about what it's really like. We even have light refreshments!

**German Exchange
Info Session:
November 19, 4:30-
6:30pm, DC-1304**

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ENGINEERING SOCIETY EXECUTIVE REPORTS

Presidential Report



CAT HAY
PRESIDENT

If you read nothing else, read this: **EngSoc executive & WEEF elections are happening online Nov 21-24. Candidates have already started campaigning - you'll see them in class visits, at the EngSoc meeting Nov 18, and at the forum in CPH foyer on Nov 19 (11:30-1:30).** Executives oversee all internal events, finances, and are your voice to faculty administration and external groups like ESSCO and CFES. Voting in our elections is the way to ensure you have the right people repre-

senting you! More info is available at: <http://engsoc.uwaterloo.ca/elections>.

Since my last article, we had our Middle of Term (MOT) party at Bomber. We had an impressive 360 students come out – about half of whom were in first year! We are still deciding on the location for EOT – stay tuned for more info!

We also finished FOC selection. Your 2010 EngFOC team will be: Stuart Pearson, Cassandra Leal, Sean O'Neill, and Nizar Hasan. We have full confidence in their ability to provide an outstanding 2010 orientation experience and we're really excited to see them in action!

On November 11 we held a short Remembrance Day ceremony in CPH foyer. We had several readings from

students, a slideshow, and both trumpet and bagpipe music. Thank you to everyone who attended and participated in this ceremony!

At the last orientation review meeting, we discussed our progress so far on defining the week's schedule, what is critical to orientation, FOC's structure, the role of residence and off-campus Dons, and orientation fees. The focus of this meeting was on orientation fees – we talked about the budget and expected changes due to the new harmonized sales tax that is coming into effect this year. This meeting was purely discussion, no decisions were made. I will be attending two more review meetings this term: Nov 23 and Dec 1.

On Thursday, Tim (A-Soc VPI), Scott,

and I attended the SFF annual general meeting and student awards dinner. The new SFF board was elected and we approved reports from the Chair, Waterloo campus programs, and Treasurer. At the awards dinner later that night, we recognized the academic and extracurricular success of our students. Congratulations to everyone who received an award this year!

Coming up next weekend is the Santa Clause Parade. The event happens on Nov 21 along King St in Uptown Waterloo, starting at 10:00am. Our directors have put together a float with representation from the Robotics Team, Clean Snowmobile Team, Mini Baja Team, and the Toolbearers. We hope to see you there!

VP Internal Report



LAURA SISSON
VP INTERNAL

Hello everyone!

Last week Engsoc experienced a crazy onslaught of events that all went extremely well! Genius Bowl had over 25 teams and packed a lecture hall in MC. Fun was had by all who attended the Curling Bonspiel for a free day of curling and there weren't too many wipe-outs! There were a number of us at curling who rushed back to school in order to doll ourselves up in the orifice, the WEEF office, the IW office and the WEEF TA office so we could be ready for the dinner portion of semi-formal in time. Well worth the effort! The dinner had roughly 160 people attending and it was absolutely delicious. I ate so much I had trouble dancing for most of the evening! At one point during the evening we were close to capacity by hitting approximately 400 people! Thanks to AHS for doing this AHSome event with us!

Thanks to all the directors who organized these amazingly successful

events and to everyone who came out!

If you think that the fun is over now, you are wrong!

Thursday November 19th is Enginuity EXTREME at 6:30PM in POETS where teams compete in a variety of mini-challenges. Free pizza for all and P**5 points to be won!

Friday November 20th there will be a dodgeball game against AHS in the CIF from 4-6.

Friday November 20th, there will be a frosh mentoring movie and games night in POETS at 6:30pm. All years welcome!

EngPlay will be holding 3 free shows this weekend: Friday the 20th at 7:30pm and Saturday the 21st at 1:30pm and 7:30pm. Come get your tickets in the EngSoc office!

Elections will be taking place over the 20th-23rd. Please get informed and vote! Results will be announced on Tuesday November 24th at TalEng.

On that note, don't forget to get your acts together for TalEng/come out to see the talent Engineering has to offer.

See you all at these events over the next couple weeks!

VP Education Report



SASHA AVRELINA
VP EDUCATION

Hello Everyone!

Hope that no one is too stressed over end-of-term projects and proximity of final exams – there are less than 3 weeks of classes left!

First of all, just a quick reminder for everyone to go and complete the PDENG feedback form that is available on the homepage of www.engsoc.ca. I would like everyone to complete this form so that there is enough data in order to make confident conclusions on how to further proceed with the results of the report. It should only take you about half an hour, and it is very important that everyone completes the form! It will be available up to and including December 4th. As you probably heard from an e-mail, the Dean is currently putting together a task force, the main purpose of which will be to move forward in making some of the changes to the PDENG program and move ahead after all of the feedback has been received.

This week we have also had a forum in order to discuss the increases in the co-op fees and the possibility of 8-month co-ops. Thanks to everyone who attended! As a result I will be looking at ways in order to ensure students get

more representation in co-op issues in general, since co-op is fully funded by students. The possibility of an increase in 8-month co-op terms is starting to be considered so I will put out a quick survey before the end of the term in order to gather your feedback and opinions of the 8-month co-op terms.

At this point I'm also looking at how to make the midterms a better experience for students. So if you have had any bad experiences with midterm scheduling, regulations or anything like that please let me know by e-mailing me at bsoc_vpedu@engmail.uwaterloo.ca.

Course critiquing will be taking place over the next 2 weeks of classes. For those of you who do not know what course critiques are – they are a survey that is the main method of evaluation of professors' performance and course content. You will be given 15-20 minutes of class in order to fill out this survey over the next 2 weeks. Please take your time and give professors a good amount of feedback as they value your comments in order to improve for next time! Also please ensure you fill out course critiques properly so they can be scanned without hassle.

Finally please remember to submit your midterms to the exam bank as you get them back from profs in order to keep the service up-to-date! The exams that are currently available have been brought in by students like you!

WEEF Report- Fall 2009 VSC Rates



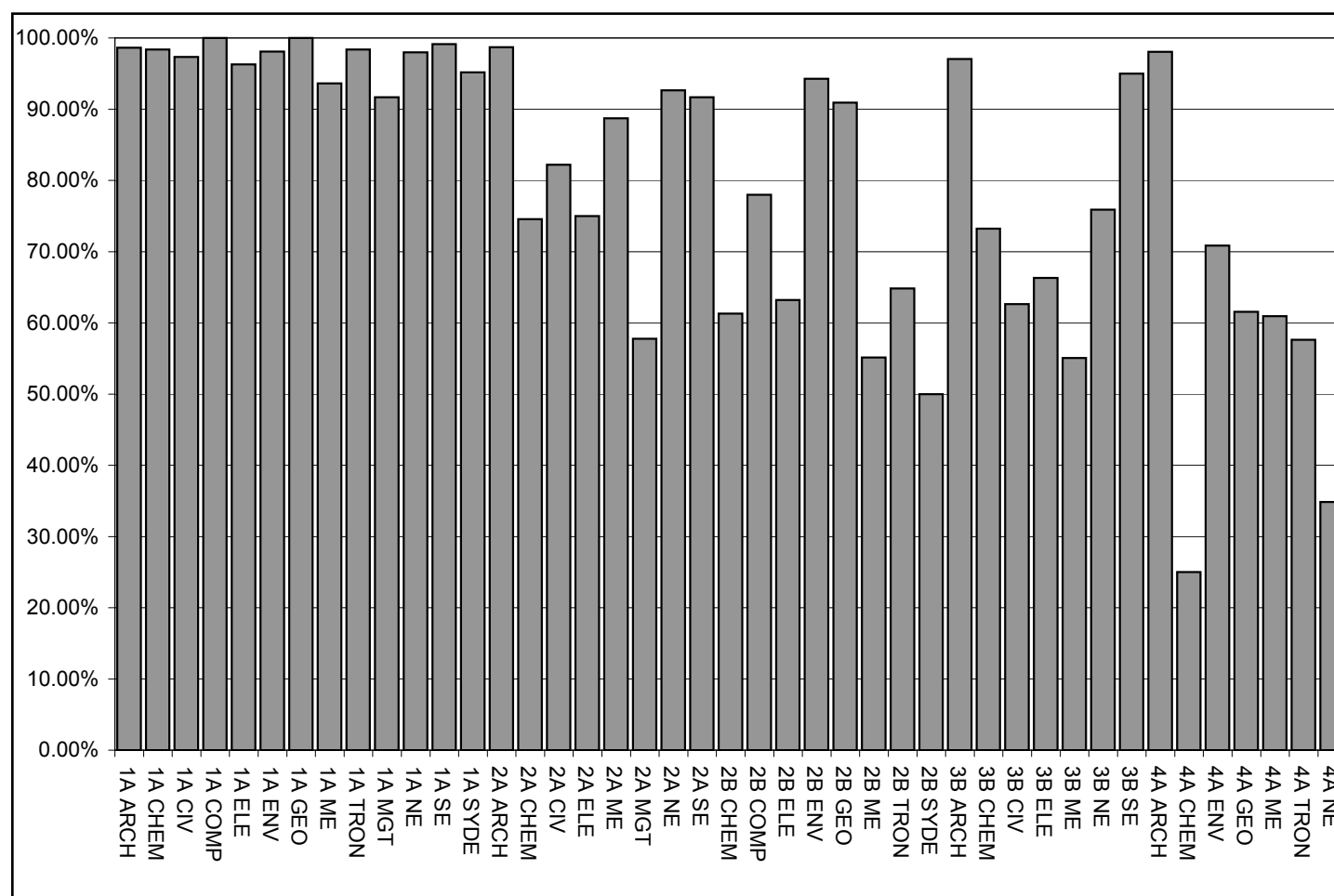
MATTHEW BESTER
WEEF DIRECTOR

Hey everyone!

The WEEF funding council has been hard at work deciding who gets how much of the WEEF pie this term. Much more has been requested than we are giving away which shows how important it is to keep donating to the principle which is growing every term.

Attached to this article is a nice little chart which shows the participation rate this term by class. If you're wondering, VSC is the \$75 voluntary student contribution that every engineering undergrad donates to WEEF ever since 1990. The overall participation rate was over 80%. Thanks everyone who donated!

On a different note, I have been talking to the development office about the progress of Plummers Pledge. As of now, there is no plan on how it will be run. Stay tuned for updates.



Senator's Report



JAY SHAH
ENGINEERING
SENATOR

On November 16th, Senate had its final meeting of the 2009 calendar year. As has been mentioned in the past IW edition, the issue of shortening orientation week was decided at this meeting. Due to publication timings however, this article was written before Nov. 16th, so I cannot comment on the outcome. Regardless to the outcome I'd like to express thanks to everyone that spoke up about this issue – your active engagement made for a strong student voice. I encourage everyone to continue being enthusiastically engaged towards what you care for!

The Nov 16th meeting will contain a presentation and discussion on a report done to evaluate WatPD. The gist of this report will be brought back and discussed with VP-Educations and EngSoc Council to determine ele-

ments of WatPD that may be useful in the pursuit of improving of PDEng.

It has come to my attention that the PDEng Independent review will also be coming to senate, most likely early in 2010. This is a positive note for student as all senators will be made aware of the results of the review as well as the action items that result; it will also be an opportunity to hear the Faculty's reaction to the review. On the same note, please please visit engsoc.uwaterloo.ca and fill out the feedback survey pertaining to the independent review by DECEMBER 4th. The more people that participate the better leverage it gives us.

Lastly, on a FEDS referenda note, the official results are in:

1. YES to Health Services Expansion
2. NO to Student Services Complex
3. NO to Sound FM

You can always reach me at senate@engmail.uwaterloo.ca. Never forget, the rhythm of this university stems from the heart of its students. Keep being proactive!

VP External Report



CARA KENNEDY
VP EXTERNAL

Hello again,

There has not been too much going on with VP External affairs lately, except for the huge race in the EngSoc elections (don't forget to vote between November 21st and the 24th). Other than that, Wheelchair Basketball was a success and had roughly 16 participate and raised over \$110 for the Brantford Participation House. This is a non-profit organization that assists adults with physical disabilities who lent our directors the wheelchairs for the weekend! Overall, a great success!

In ESSCO I have been working on getting the delegations ready to head to the National Conference for Women In Engineering (NCWIE) and the Professional Engineers Ontario Student Con-

ference (PEO SC). Also, a new initiative has been brought forward that will take place during National Engineering Month in the winter term. A-Soc will be in school in the winter and will be putting together a Rube-Goldberg Machine that will be part of an Ontario-wide system that will eventually light up the lights in the City Hall of Toronto to read something along the lines of "ERTW." If you will be on coop in the area, e-mail Mike McCauley (asoc_vpext@gmail.com, uwaterloo.ca) if you want to part of this exciting project!

In the world of CFES there is an opportunity to showcase what our school does best! there will be a session at Congress, in January, that will showcase all of the schools and include a stand to show what every school does best. If you want to put something together and come to Congress please contact me at bsoc_vpext@gmail.com.

Thanks and have a great week!
Cara

VPF Report



SCOTT RANKIN
VP FINANCE

Hello Everyone,

Welcome to my second last installment as you VPF.

So donations were approved 2 weeks ago. If you have been given money, please email bsoc.vpfin@gmail.com.

I can haz more trivia?

ERIN MATHESON
2A CHEMICAL

If our term-ly editions of genius bowl are any indication, we are all clearly huge trivia fans. This term got even better, with a second trivia-based event added to our calendars, better known as the first edition of hot trivia dog-opoly. This EngSoc trivia only event encouraged students of all years to come out, as each team could only consist of four members and needed one student from first, second, third and fourth year respectively.

Each round tested team's knowledge of anything to do with EngSoc; the Orifice, the C'n'D, and even your artistic abilities. It was a chance for younger students to learn a little more about

what their society has to offer them, and for the upper years to brush up on their EngSoc fun facts.

Even with the event scheduled for a Friday afternoon, there was still a remarkable turnout. Classes must have been cancelled that day or something... The Blandtastic Four, with the lovely Mary Bland anchoring the team as the 'fourth year', dominated the competition. Who knew Mary knew how many years she's worked at the Orifice? There was still delicious pizza and fantastic prizes for everyone who came out. This new event was really well received by all of those who came out, and will hopefully make more appearances in terms to come. Mad props to the organizers and everyone who came out!

Genius Bowl Results



CAILIN HILLIER
2B GEOLOGICAL

Pure Genius! Genius Bowl took place this past Wednesday, November 11th and there was a large showing of geniuses at the event! Huzzah! Peter Kelly, Alex HR, and I all had a blast running this event and we were amazed by the 27 team turn out. Thanks guys, hope you all had a blast!

There were seven rounds of questions with intermediate lightning rounds and puzzles. Categories of questions included politics, history and future of science, mechanical, chemical, electrical, computer, and environmental questions, economics, pop culture, literature, and more! There was also a Remembrance Day category in honour of the day.

Not to mention the candy: 650 pieces of candy! I would just like to commend several teams

for particularly flashy levels of team spirit. This includes the Manhole 2013 MGMT, the Super Mario Bros, and the Exec team. Yay for team spirit, the costumes and cheering were great!

I would like to give an extra special thanks to the judges that dedicated their time to making this event run smoothly. Tim, Chris, Dave, Jeff and Adam all did a terrific job at grading your team score cards at lightning fast speeds. Thanks so much!

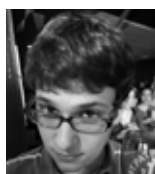
And now... the standings! The 1st, 2nd, 3rd, 4th, and 5th place teams all received prizes. 5th place went out to the Chemical Brothers and Sisters, 4th to the Hungry Hungry Hippos, 3rd to Manhole 2013 MGMT, and 2nd place to Mickey and the Blakes. And finally, drum roll please, the first place team, with a score of 95.5 points, goes to What's the Point in Going to Class? The World is Going to End in 2012 Anyway! Congrats 2013 Civil Class, that was some impressive geniusing!

Thanks again to everyone for coming out! Keep genius-y UW!



First Round Co-op Stats

Low Employment in 1st Year

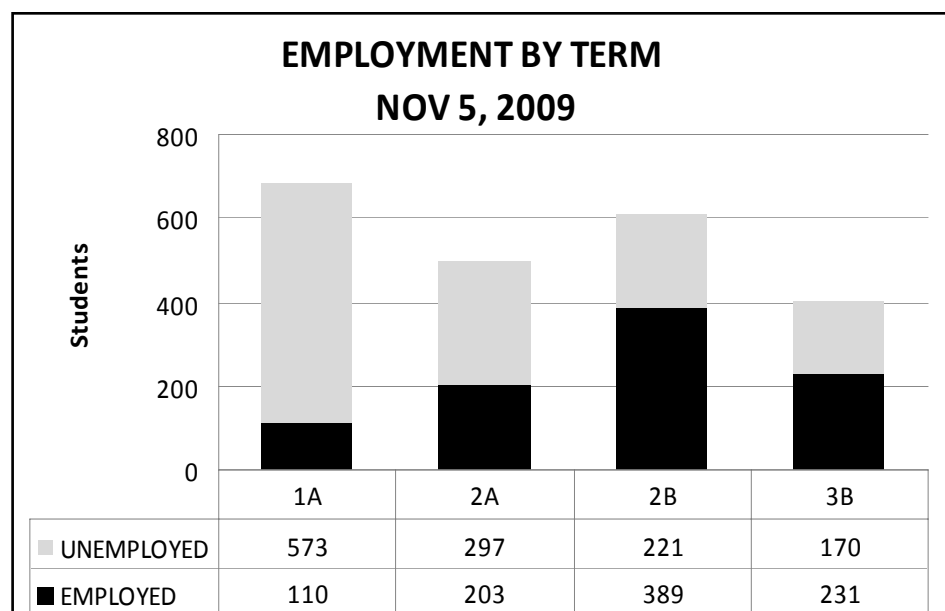


ANGELO ALAIMO
2B ELECTRICAL

Job match results for the first round of interviews were made available just before 4 P.M. on November 2, 2009. The chart accompanying this article have been generated from CECS employment data dated November 5, 2009. As one can see from the charts, 2B and 3B students currently have employment rates greater than 50%, where more junior terms aren't enjoying the same amount of success.

Currently, 1A employment rates are just under 20% after first round. Furthermore, chemicals currently in first year are suffering the most with only 1 student out of 63 employed as of Nov 5. These rates will definitely increase as we head into final exams, so if you are still looking for a job and are not having success in getting interviews, do not be discouraged! Get your resume critiqued and keep a positive attitude. It's not easy, but employment isn't impossible.

If you would like to view more recent information regarding employment rates, go to : <http://www.cecs.uwaterloo.ca/students/statistics.php> and click "log in".



Future of SoundFM in Question

GROWING NEEDS from Page 1

and 146 students declining to vote. Voter turnout was approximately 18% as 4511 out of 24 979 eligible voters voted. Following the announcement of the referendum results, some speculated that many students were unaware that the fee would only be implemented once the building was opened. This may have contributed to the large number of "No" votes as some students incorrectly believed that they would be funding a building that they would not use.

Health Services Expansion

The Current Health Services building, constructed in 1968, was built at a time when Waterloo had only 9,000 students on campus. Originally, it was planned that the building would have only 3 doctors, available by appointment only. Since 1968, Waterloo has grown to 27,000 students with 5 doctors, handling over 50,000 scheduled students appointments every year.

The proposed expansion would feature a walk-in clinic with extended hours, nurse counselling, outreach to the Schools of Architecture and Pharmacy, a psychologist, and an expansion to increase nurse prep area and general space. The proposed expansion would triple the space available in the building from 10,000 square feet to over 30,000 square feet.

In the FEDS Referendum, the Health Services Expansion was the only one that passed the vote. The referendum ques-

tion asked "Do you support the addition of \$10.00 to the Student Coordinated Plan fee to contribute to the proposed Health Services expansion?" Out of an eligible 25,177 voters, 2567 voted "Yes", 1641 voted "No," and 114 declined to vote. That means that about 10% of the student population voted in favour of the expansion, 6.5% voted against the expansion, and about 83% of students did not vote.

SoundFM

The third referendum question asked students "Do you support a refundable increase of \$2.50 to the Federation of Students Administered Fees to support Radio Waterloo?" UW's campus radio station is called 100.3 SoundFM (formerly CKMS) and is operated by volunteers who work hard to make the station run. Prior to the winter 2008 FEDS referendum that revoked funding from the station, students paid a \$5.50 fee for CKMS radio. At the time of the 2008 referendum, many students believed the station had a lack of transparency while others believed the station was not very progressive and satisfied with the status quo.

After CKMS lost funding, the CKMS board of directors changed the direction of the station in order to make it more student oriented. Also, during this time, the station signed an agreement with FEDS indicating that if funding were to be returned to the station, FEDS would have the authority to withhold funding should the station fail at

fiscal responsibility. CKMS was renamed SoundFM and lowered their proposed funding fee down to \$2.50 to demonstrate the station can be operated at much lower cost to students.

The "Yes" Committee argued that SoundFM is a student run radio station that currently does not receive funding, that SoundFM plays local and groundbreaking music that other stations would not play, and that it is a cultural magnet that would help attract students to the University. The "No" Committee's arguments were recycled from the winter 2008 referendum to revoke funding from CKMS. The "No" Committee brought up such points as the station lacking accountability and failing to be transparent despite the changes made since winter 2008.

Despite the positive changes to CKMS, and the re-branding, the student body voted against funding SoundFM as 2460 students voted "No", 2005 voted "Yes", and 122 students declined to vote. Since the fee referendum did not pass, the future of the station is uncertain. According to the "Yes" committee's website, the station will likely cease to operate. If SoundFM is unable to continue to operate then the station's radio license would be lost due to government broadcasting regulations. Getting a new radio license in the future would be difficult because getting a radio licence in this day and age is a time con-

suming process.

Overall, the referendum results means the Student Co-ordinated Plan fee will be increased by \$10.00 once the Health Services expansion is completed, which is estimated to be sometime in 2011-2012. This fee will only apply to those students on the main Waterloo campus and at the School of Pharmacy; students at the School of Architecture will be exempt.

Since the Student Services Complex Expansion referendum did not pass, all services will remain at their present location in the SLC.

The future of CKMS is uncertain, with this past weekend's KW Record reporting that the station may fold as early as December, when Sound FM's lease of the station expires.

Finally, the overall voter turnout was about 17%, barely meeting the requirement of having the winning option be a majority with at least 7% of the total student body. Voter turnout was highest for the Student Services Complex vote, with 18% of eligible students voting in that referendum. Voter turnout for these recent referendums was higher than the 2008 CKMS and World University Service of Canada Student Refugee Program fee, but lower than Universal Bus Pass referendum in 2007. Voter turnout for the 2008 referendum was approximately 13%, while voter turnout for the 2007 referendum was approximately 34%.

Waterloo Once Again Claims Best Overall

What this means and the fine print that many don't see

KEVIN LIU
3B ELECTRICAL

Not that it should come as a surprise to anyone, but the University of Waterloo has once again been ranked the top school on the Maclean's ranking of Canadian universities. This is the 16th time that the University of Waterloo has been ranked first out of 19 years. Reasons? Innovation and leadership.

Maclean separates the 48 Canadian universities into three categories: Medical Doctoral, Comprehensive, and Primarily Undergraduate. Those in the Medical Doctoral category have a broad range of Ph.D. programs and research, as well as medical schools. Schools in the Comprehensive ranking, for example Waterloo, have a significant amount of research activity and a wide range of programs at the undergraduate and graduate levels. Those

in the Primarily Undergraduate category are largely focused on undergraduate education.

In the Comprehensive category, Waterloo comes in third, which takes into account students/classes, faculty, resources, student support, library, and reputation. What does Waterloo do best? Based on the survey, Waterloo students and faculty have the highest ratio of awards and research grants, as well as the best reputation. But when it comes to operating budget for student support and resources, Waterloo is among the worst. The amount of money spent on library is next to last, the percentage of budget spent on student services is third to last, and the operating budget is lower than all other universities in the Comprehensive category. Can we as students feel the difference? The library is constantly packed with students with a severe shortage of seating. Our undergraduate labs are embarrassing, considering the age of the

lab equipment and the permanent odor, none of which compares to the equipment and funding that graduate studies get. Counselling services has a four-week waiting line. It is quite clear that our school sees academia, specifically post-undergraduate level research, as its priority.

So what does this first place 'Overall' mean? Diving into the Maclean university ranking issue, the overall ranking is purely based on schools' reputation, which is a survey done by university officials, high school officials, and heads of organizations and corporations. Respondents rated the universities in three categories: Highest Quality, Most Innovative, and Leaders of Tomorrow.

What about all the numbers such as student services budget and operating budget? Maclean does a fine job of ranking schools in terms of many factors, but in the end, the ranking is extremely subjective, and do not take

into account any quantitative analysis.

So what do you think? In Maclean's second survey, universities get graded by their own students. Amongst all the universities surveyed, Waterloo sat near the bottom for student-faculty interaction, active and collaborative learning, and supportive campus environment. These results are understandable, considering the research-oriented faculty, relatively high student-to-faculty ratio, and the small amount of budget allocated for student support and resources.

Where does Waterloo shine? Things that remind students of their unique learning experience such as co-op. 35% of Waterloo student surveyed rated the educational experience to be excellent, and 49% good. When asked if they would pick Waterloo if given the chance to start over, 83% of the students surveyed replied definitely yes and probably yes.

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ENGINEERING SOCIETY 'B' ELECTION FALL 2009

The Candidates



Cailin Hillier

President

2B Geological Engineering



Scott Rankin

President

3B Civil Engineering



Alex Hogeveen Rutter

Vice President, Education

2B Electrical Engineering



Trevor Jenkins

Vice President, Education

2A Management Engineering



Drew Lemcke

Vice President, Education

2B Chemical Engineering



Alessia Danelon

Vice President, External

2A Mechanical Engineering



Hannah Lindsey

Vice President, External

2B Systems Design Engineering



Kevin Ling

Vice President, External

2B Computer Engineering



Erin Matheson

Vice President, External

2A Chemical Engineering



Peter Kelly

Vice President, Internal

3B Civil Engineering



Mina Labib & Jon Warren

Vice President, Finance

2A Nanotechnology Engineering & 3B Electrical Engineering



Farid Zakaria

Vice President, Finance

3B Software Engineering



Graham Stonebridge

WEEF Director

2B Environmental Engineering

ALL CANDIDATES FORUM → Thursday November 19th @ 11:30 AM
Bring your questions! Bring your friends! It's the perfect lunch date! CPH Foyer

CANDIDATE PROFILES

President Candidates Cailin Hillier

2B Geological Engineering



My name is Cailin and I am running for Engineering Society President. The Engineering Society is my family away from home, and I have found great joy in being involved. I am now in 2B and my final chance to run for EngSoc exec has arrived. I wish to see my ideas put into effect and I aim to help EngSoc flourish.

I would make an excellent representative for the Engineering Society. My experiences

with EngSoc involve every capacity of the society, including academic endeavours, planning internal events, working with WEEF, and participating at an external level. I have an outstanding rapport with faculty on campus, but I am also willing to fight on the society's behalf. I am well respected for both my academic and co-op achievements.

I love EngSoc. My involvement began in 1B and has snowballed considerably since. I have held over 10 directorships, have been a Frosh Week leader twice, and received the Paul Harlick and President's Awards for my efforts. I work on the Iron Warrior, in the C&D, and was responsible for the EngSoc fair initiative earlier this term. I am an organized, enthusiastic and hard-working. In short, I am passionate about EngSoc and have big ideas for its future.

My philosophy is to unite engineering. To me, this involves promoting inclusivity, tradition, and improvements as ambitions of the society. Encouraging traditions helps to stimulate pride among Engineering Society mem-

bers. I plan on improving the EngSoc Fair I started this term, which educated students about EngSoc and student teams. I would like to hold a Traditions Day that would showcase EngSoc, Engineering student organizations and traditions. Invitations would be sent to the Dean, UW alumni, professors and students to meet informally, have the chance to get purpled, and have a photo op with the Tool.

Increasing participation in EngSoc is a topic of interest among active EngSoc members. This stems back to the need to be more inclusive. One way to go about this is to make it easier for students to provide feedback and criticism about EngSoc. A confidential suggestions box and email account dedicated to collecting student opinion would allow everyone to be heard. Gathering a wealth of ideas would help EngSoc to serve everyone, whether through the creation of a new event or by offering an additional service.

Improving the availability of EngSoc information is essential. Class Representatives are an important part of this information pathway.

They should encourage class members to join the mailing list and to look at the EngSoc website for information. Interactive meeting minutes could be made available on the website, with a meeting summary and specific details only a click away. The major decisions EngSoc makes should be publicized, including important motions and plans in progress.

I would also like to strengthen director appreciation, which has been successful on A-Soc. Having a start of term social would allow experienced and first time directors to meet. The possibility for joint events between directorships could result. This would help to achieve the goal of having fewer, better events. Interfaculty relations should continue to be a focus. Interactions between student societies on campus can be improved. Strengthening relationships between societies on campus would offer great potential for EngSoc to grow.

Finally, I would like to encourage everyone to get informed, have their say, and vote!

Thanks,
Cailin

Scott Rankin

3B Civil Engineering



Hello all engineering folk,
Most of you probably do not know me, my name is Scott Rankin, and I am currently in 3B Civil. I love the engineering society, I am dedicated to making all engineering student life better any way that I can. Nothing would make me happier than to dedicate the last 16 months I have here at the University of Waterloo, as your next Engineering So-

ciety President.

The role of the President is an important one; they are the official representative of the Engineering Society. If I were elected I would exceed your expectations as your official representative. I would bring every concern no matter the size to the necessary administration and/or committees. I would have no fear or problem standing up for what is right, but more importantly I would work with administration and criticize them in a positive manner, rather than attacking them in a close minded fashion. It is very important that we bridge the gap between us and administration so that they can understand how important student life is to becoming a successful engineer, and how important it is to surviving these five years, something I feel that they do not quite understand as of now. It is important that the liaison between administration is one that is not hot headed, but calm cool and collected, so that things

progress in the proper direction.

Since September we have drastically improved the turnout for all of our events. I wish to continue this and drastically improve the way we advertise things, because in my opinion, posters just aren't working. In the past EngSoc has been heavily criticized for getting too rowdy at times. But really, is that a bad thing? We work hard, we play hard, this is what we learn in frosh week, and I stand by it today. However, people don't often see all the planning and organization that goes into these 'rowdy' events. People also don't see us study our faces off for 5 nights out of the week. I would also push interfaculty and interschool events.

Visibility is one of the most important traits a President should have. A president should be available as much as possible, I can promise you, if I were elected I will be available in the orifice whenever I do not have class or meet-

ings, this is easily said because I already do this. I will also attend every single event I can, again something I already do.

You may be asking what sets me apart from the other candidates. Firstly I have tons of experience with the Engineering Society Executive; I have served as your VP Finance for the past 16 months. I am very level headed and deal with stress very easily, very rarely do I ever get offended, angry, or stressed out and I will always own up to my mistakes. Finally I think I'm a very good representation of who the current average Joe engineer is, I can be professional when I need to be, I have my nerdy video gaming side, and I do like to get rowdy sometimes, because at the end of the day we're all students. I believe all these qualities would make me an excellent President, and I hope you do too.

Thanks,
Scott

Vice-President, Internal Candidate Peter Kelly

3B Civil Engineering



Hello UW Engineers, my name is Peter Kelly and I am running for Vice President Internal (VPI), in this coming election. First off, since you are reading this you are taking an interest within EngSoc, which makes me happy. Sec-

ondly, I will tell you a bit about me. I am originally from St. Catharines, and was frosh in 2006. I am in Civil and in my 3B term right now. I enjoy meeting new people and trying new things. I also enjoy a warm cup of hot chocolate on a cold day, singing in the shower, and dressing up my dog in ridiculous outfits that I sew myself.

Now, what makes me qualified to be your VPI? Well, I eat, sleep, and breathe EngSoc. I am currently writing this while at an EngPlay rehearsal, pushing assignments aside for completion in the wee hours of the morning. As well, I have held several directorships and have attended most events that EngSoc has to offer. I feel that I have the managerial and organizational skills required to provide directors with the assistance

they need to run their events and make super fun times happen.

If I get elected as your VPI, I have plans to bring back some events that have not been run in a few terms (such as Capture the Flag). I will also try to increase turnout to events; not just engineers but students from other faculties as well. One thing that I always hear from students in other faculties is that EngSoc does so much stuff! So, by working with other student societies we can offer more events, which are even better than you can imagine.

Fun facts about me:

1) Most people refer to me by my full name. Ex: "Hey Peter Kelly, how are you?"

2) I can kick higher than most people expect.

3) I have won the Gradcomm 50:50 twice.

4) I can write random letter combos. Ex: "adkujodcuhqaidcu"

5) My MSPaint skills are much higher than they should be, thank you work terms.

Sleep well, stay healthy, and I hope to see you in Summer 2010 as your VPI.

Love,
Peter Kelly

Vice President, Education Candidates

Alex Hogeveen Rutter

2B Electrical Engineering

Fellow Engineers,

I am running to be your VP Education for the next two B-Soc terms. I have the experience, ability and willingness to be eminently qualified for this position.

Firstly, I'm virtually the only non-graduating engineer on B-Soc to have held any VP Ed directorships. The semester I was Sanford Fleming Rep was the only term in recent memory to have decent turn-out for all its competitions. Many first-years (and others) may have seen me at Resume Critiques, where I worked overtime to try and critique as many as possible. Finally, I am currently one of two students on the PDEng Steering Committee. As VP Ed, I am hoping to continue to work with them to reform the PDEng program. For example, I am currently working with Carolyn MacGregor to add greater transparency and consistency to the marking scheme, so stay tuned.

I am involved with many other clubs on campus, which means I will have time to spare if I need to cut them to take on greater VP Ed responsibility. I work part-time as a Student Leadership Program Facilitator, helping students develop their leadership potential. I believe these skills transfer nicely into the skills needed for VP Ed. I am also willing to help out at other engineering events. For example, this semester I was a frosh leader and Genius Bowl Director.

Finally, I am my class's representative, and in this capacity, I have taken the voices of my class to my profs to extend deadlines, push them on assignments/timing and related issues, something I would do on a greater scale as VP Ed. I am also on the current VP Education advisory council, which means I have exposure to the issues the VP Ed must deal with.

Having worked closely with Sasha (the

current VP Ed), I believe I am capable of following through on his extraordinary efforts. There are three issues I especially hope to address going forward. One is communication with the "average student." Currently, as PDEng Rep, I do my best to seek out a variety of opinions and ideas for improving the program. Not only would I ensure I remain open to student suggestions and ideas for all academic concerns, I would actively seek student's opinions on academic issues such as PDEng, Co-op, midterm week, exam scheduling and course content.

The second issue I would like to address is promoting volunteerism among the student body. Many of the volunteers I have worked with believe they have benefited greatly from their experience, and I would like to extend this opportunity to more students and really examine what motivates people to get involved.



The final issue is working with the other executives to promote greater involvement in EngSoc among the entire student population. One of the first things I would do as VP Ed would be to host a forum for all engineers to suggest what events and services EngSoc needs to offer that we do not currently address.

2A Management Engineering

Trevor Jenkins

The role of VP Education is one that cannot be taken for granted. The reason we all came to UW is to receive a top notch education from a top notch faculty. I'm running to help support that cause, since we're all investing a significant portion of our lives to be here.

One major area that needs major improvement is PDEng. It's no secret that PDEng isn't popular by any means. Since its inception, we've complained about the many shortcomings of the program. However, it has become clear that the program is here to stay so we need to take an active role in helping to overhaul it to make it work for us. The release of the Independent Review now gives us more traction than ever as the reviewers reiterated every point that we've known since we each first took PDEng 15. Strong leadership needs to take charge and help ensure the program is rectified in order to help make

the program more relevant. While they say it can't be done, PDEng courses and assignments need to focus on our individual programs, not just the "one-size fits all" approach. I can do this.

From my experience meeting with PDEng staff, as part of my duties as Editor-in-Chief of The Iron Warrior, I believe they really do want to make the program more relevant for students. We need to actively approach the situation to improve it for all of us. One major stakeholder that has currently been missing from the PDEng steering committee has been more faculty members, who could help direct the program to assess the skills in a format more fitting for engineering students.

Another major area that I think there is room for improvement is the end-of-term debt loan surveys conducted by the Dean. These surveys help to determine the financial burden students face

each term. The entire picture is not being shown since the typical response rate is about 25% (Iron Warrior, W09) of the entire engineering student population. I hope to actively encourage more students to complete the survey by making class visits and explaining why they are so vital.

My experience speaks for itself: since coming to Waterloo I've held various directorships, including Resume Critiques, POETS Programmer, and WEEF Director. I also have been extremely active in The Iron Warrior where I'm currently the Editor-in-Chief, and have formerly been Assistant Editor for a term, Layout Editor for two terms, and spent three terms as a Staff Writer. This past term I've also been an Upper Year Mentor for a group of six management engineering frosh as part of a mentorship program undertaken by the Depart-



ment of Management Sciences. In addition, I've been both a big and huge during the past two frosh weeks.

Overall, I hope that you strongly consider your choices for VP-Education. I will stand up for your rights as an engineering student to ensure that the hard work you put in is not in vein. Pick Trevor Jenkins as your VP-Education.

2B Chemical Engineering

Drew Lemcke

Hello Everyone!

My name is Drew Lemcke and I am running for the position of VP Education. The reason I am running for this position is because I believe that the next VP Education has a good opportunity to have a positive impact on all engineering students here at Waterloo through the actions taken in light of the PDEng review.

One of my main priorities if I am elected is to make sure the recommendations from the PDEng review get put in place as quickly and efficiently as possible.

Another thing I will do if I'm elected is to try and make course critiques have more of an impact on how a course is run. In the past I have noticed that even if a course or professor gets a bad review, it seems like not much is done to try and make improvements.

I also plan to follow along with Sasha's objectives of expanding the exam bank and holding academic rep meetings with academic reps from all classes.

The qualities I possess that I believe make me a good candidate of VP-Education are leadership, teamwork, approachability, time management, and organizational skills. My leadership skills have been developed through many different situations and activities. I have been a class academic and EngSoc rep since my 1A term and have helped run many class events as well as provide input for academic meetings and run course critiques. I have been a frosh leader in the 2008 and 2009 Frosh Weeks, being a Big in 2008 and a Huge in 2009. In previous part-time jobs I have been involved in the training and management of newer employees. I

have developed my teamwork skills through my co-op positions and also by playing many team sports. In high school I played on the Rugby team every year and in my grade 12 year I was also a leader on the team. I am also the team captain of my class' dodgeball team and have played on at least two intramural teams each term. Another one of the qualities I mentioned that make me a good candidate is approachability.

Many of you probably already know me, and if not feel free to come up and introduce yourself and ask me any questions you might have about my campaign.

Thanks for listening and I hope you choose me as your VP-EDrewcation

Drew Lemcke



VOTE Online → **November 21-24**

CANDIDATE PROFILES

Vice-President, External Candidates

Alessia Danelon

2A Mechanical Engineering



always have. On my first day of ME 100, when Ari Taub (who some of you may recall) asked who wanted to be the EngSoc Class rep, my hand shot up in an instant. I knew I wanted to be a part of EngSoc. Since then, I've only wanted to do more, both within and outside our Engineering Society. Being part of exec would help me bring all those opportunities to our members, while learning from amazing, intelligent and enthusiastic people. However, this then leads to the question, why Vice President External?

I have been active in many engineering organizations outside of Waterloo's Engineering Society, the most relevant of those being ESSCO, the Engineering Student Societies' Council of Ontario. With ESSCO, seeing all the different things other societies do, I have had the opportunity to confirm that our society really is as amazing as people make it

out to be, and as a result, I just wanted to get further involved within Waterloo. ESSCO also gave me a taste for what the Vice President External does. I saw that they represent their student body at conferences, to external representatives, and let you know what opportunities there are out there for you to benefit from.

Through ESSCO, while acting as the Wonderland Director and Vice President Services, I have dabbled in all of these fields. I have been responsible for representing ESSCO and its members at meetings with the PEO and OSPE, two organizations I would have to work with as Vice President External. I have become accustomed to attending conferences, seeing what is to be gained from other societies' ideas and experiences. I have a plethora of experience meeting other societies, participating actively in the conversations and debates brought

up at conferences, and reporting the results back to members. The things I have learned from performing these tasks are all qualities I can bring to Waterloo as Vice President External during the term.

Aside from the technical qualifications, I feel I could really offer a lot to the members of our Engineering Society as the Vice President External. I believe I could also do a great job representing our members externally, and bringing the opportunities back here for you to benefit from. I am aware of what is out there for you to participate in, and I am always looking for ways to make it easier for you guys to get out there and get involved. This way, you can gain the most from the experiences external events can offer. I would be enthusiastic and committed as the VP External, and I just hope you feel the same way.

I think Waterloo's engineering society has some of the most brilliant, dedicated, and genuine EngSoc members that you will ever meet in your life. If we're not THE best EngSoc out there, we're definitely up there.

That in mind, it's not hard to see why I would want to be a part of our executive council. I love to get involved, and

Hannah Lindsey

2B Systems Design Engineering



to do)

- 9) Can write a motion
- 8) Happy ... All the time, as confirmed by Jack Bauer
- 7) She wants to spread the good news and inform UW of all the outside world
- 6) She is superdy duperdy friendly ... (wait does that count as Happy)
- 5) Ridiculously enthusiastic (uh-oh I see a trend here)
- 4) Can deal with the cold REALLY well. (You can send her to a conference in Nunavut and she will survive)
- 3) She's going to be Paris Hilton's New BFF
- 2) She realizes that she doesn't have top ten reasons (or can't count); ergo she's not running for finance.
- She's an engineer, not a mathematician... 2 is close enough to 1.
- On a more serious note:
- This girl has the experience to be VPEX. She attended the 2008 CFES

congress in Edmonton at University of Alberta. She was also a delegate for the last 2 ESSCO Annual General Meetings; the first was in the spring of 2008 at Ryerson and just this last spring HERE at Waterloo!!

She wants to keep charities going in the direction that they are currently heading.

She would like to increase the number of community charity events and continue to outreach to students at large.

She is even willing to sit in the dunk-tank during Canada Day festivities.

She assures that she will be available as an exec and easily approachable.

This girl is very eager to work with other schools to encourage the fluid exchange of ideas.

She's responsible and will act professional. She promises that she will go to conferences and attend all external meetings to represent YOU with any of your concerns!

She will speak well, be knowledgeable, and will research any concerns/points that are brought forward.

Furthermore, she also has experience throughout engsoc. She has been highly involved with both A'soc and B'soc starting back in her first year (06/07). She's held various directorships such as POETS Manager, P**5, and course critiques.

Ps - this girl is named Hannah Lindsey - she's 2B SYDE and will represent UW's B'soc to the best of her ability.

There is so much more out in the community that would greatly benefit many other students here at UW. I would like to be the representative for B'soc as the liaison to aid students becoming more involved.

With your support, I will try to make the next 16 months amazing as this year's VP External for the Engineering Society. <3

Once upon a time there was this little curly haired red-head (cough Hannah) who was running for Vice President External.

Here is a list of characteristics that this little red-headed pixie possesses:

TOP TEN LIST

10) Knows what plenary is AND Roberts Rules!!! (And how its run and what

Kevin Ling

2B Computer Engineering



that it should serve the students it represents and help to make their time here valuable, both in and outside of class. To accomplish this, I want EngSoc to promote both a fun loving and professional image.

I love EngSoc and I am a very active member. However, I will be the first to admit that EngSoc isn't perfect. While it isn't feasible to have a society cater to all of its members in the diverse environment of UW, I would like to bring some new ideas to redefine EngSoc as a more inclusive group by promoting and creating events that appeal to more students. As well, I would like to promote external relations by creating an Engineering Newspaper Exchange.

I would like to further promote events like the Waterloo Engineering Competition (WEC). This term I was a director for WEC and it was great to see so many people come out and enjoy themselves at the event. What I liked the most about

the event was that it appealed to many students that usually aren't interested in typical EngSoc events. If elected, I will work to make EngSoc serve more of its members and I will be willing to help out anyone who has a new event idea that they want to start up.

Another thing that I am very passionate about is external relations. To help improve our relations with other universities, one major project that I would like to accomplish as your VP External is to set up an Engineering Newspaper Exchange. This would allow all the participating engineering schools to see what is going on at other universities. As well, it means that we might be able to get regular copies of The Toike Oike and Golden Words (U of T and Queen's joke papers, respectively). I will work with the POETS managers to see about putting up a newspaper rack in POETS so that students on breaks can stop in and read about what goes on at other universities. As a former Editor-

In-Chief of The Iron Warrior, this project really interests me. But as VP External I will be approachable and open to suggestions for things that engineering students want to see done.

Finally, I will increase the amount of promotion that there is for conferences and external events. External events are a great learning experience and meeting students from other engineering schools is always a lot of fun. I would like to see more people get involved with external events so I will work to spread the word about them a lot more.

Unfortunately this space is too small to say everything that I would like to say, but if you have any further questions about my platform or would like to know about my past experiences, please take a look at my website which outlines my platform (www.eng.uwaterloo.ca/~kling/).

And remember, EngSoc represents you so don't forget to vote!

Student politics is something that has always seemed to have a bit of a bad reputation. Many people see it as a popularity contest and many more seem apathetic or cynical of the entire process. But no matter which opinion you may hold, our Engineering Society is necessary and makes important decisions affecting every undergraduate engineering student.

My basic philosophy about EngSoc is

Vice-President, External Candidates Continued

Erin Matheson

2A Chemical Engineering

Hey everyone!

For those of you who don't know me, my name is Erin Matheson, I'm in 2A Chem, and I want to be your next B-Soc Vice-President External. You've probably seen me running around as either the conductor of the Engineering Jazz Band, one of this term's Eng-Play Directors, or just hanging out in Poets being my usual loud, outgoing self.

I've only been at UW for just over a year now, but I can honestly say I wouldn't want to be anywhere else, and I'm damn proud of being from this university. This is why I want to be the next VPX, because this position is all about representing this outstanding student body as a whole to the rest of the university, the community, and to engineering faculties across the country and around the world.

Firstly: the rest of our university. This means other student societies and administrative groups. Over the years EngSoc has developed a bit of a rocky relationship with

some groups within the school, and I want to change that. I realise we may not be FEDS' best friend, nor will we be on the exact same page as the administration (It's okay, I don't like lasers either) but the fact of the matter is that these are important groups within the university that aren't going anywhere. If elected, I plan to develop a better working relationship with other groups within UW. This will make certain administrative tasks easier for EngSoc and will help improve our image to the rest of the university.

Secondly, there's our surrounding community. We engineers have developed a reputation for throwing great events and being top-notch fundraisers, and I obviously want to keep this going. Public events like Canada Day and events for incoming students such as Student Life 101 are opportunities for us to make a great first impression to those meeting us for the first time, and for keeping up a good reputation with those more familiar with

UW Engineering. EngSoc's image is a new but important topic of concern as of late and it all starts at public events such as these. In terms of fundraising, I'm a firm believer that less is more. Each term I'd like to have one, at most two, large-scale fundraising events but make them as big as possible. Focusing on one main event and reaching out to other student societies on campus is a great way to maximize participation and funds raised for a charitable cause.

Finally, there's representing our society to other universities. We're already well known within the worlds of CFES and ESSCO, including having several UW students on both executive councils! As I have no doubt that this will continue, I want to expand our representation even further. BEST (CFES' European cousin) is trying to get more involved with CFES, and I firmly believe that UW students should be at the forefront of this. As I personally discovered when I attended the



first-ever joint conference between CFES and BEST, this organization opens up a whole new realm of opportunities for engineering students wanting to travel abroad.

As always, feel free to stop me in the halls if you have any questions about my platform or if you'd just like to chat. Remember: Vote Erin for VPX!

Vice-President, Finance Candidates

Mina Labib/Jon Warren

2A Nanotechnology and 3B Electrical Engineering

Jon "Scurvyneck" Warren (2011 Electrical): Wanted for several counts of public no-goodery including selling an infant on eBay as a decorative ornament, stealing candy from orphans and selling it back to them at inflated prices, and scamming the elderly and deceased. Visible markings include freakish height, gangly limbs, stupid face, and slack-jawedness. Considered dangerously cheap. Personality traits tend towards comic un-intellectuality. Poor with math. Can't balance himself let alone sheets. Has's bads grammars. Only wears silly hats. Would plan a most disastrous Nascar-type Theatrical Hybrid Event. One known accomplice identified only as "The Treacherer" in select circles. Last seen eating all of the giveaway Friday night C&D food like an oversized squirrel.

Mina "Treacherer" Labib (2013 Nanotechnology): Wanted for multiple charges of private fiendery. He is, in fact, the one who purchased the infant on eBay as a decorative ornament. The infant is now a chandelier. His latest fad is running

internet scams to cheat elderly women out of their many cats (yes, the cats had to be mailed in a box). He is easily identifiable by his average height, build, face, intelligence, hair and eye colour and aptitude for fiendish activities. You can also see him sporting his stylish moustache in this sexy month of Movember. Left to his own devices, he would fill all the rooms with sand and camels. The only person that can restrain him is his co-conspirator known as "Scurvyneck". Fortunately, he seems to travel with him at all times. In fact, some people say that they used to be Siamese twins separated at birth.

Any information leading to the apprehension, conviction, and public humiliation of these individuals will be rewarded with a lifetime supply of gold coins with chocolate inside. Any information leading to the long-term embarrassment of these individuals will be rewarded with a high-five.

So enough banter, and let's get back to business. For those who don't know us, we're both

heavily involved members in the Engineering Society. Between us, we've held directorships for Novelties, Year Spirit, Wheelchair Basketball, Special Events, TSN Video, and more. We have both been orientation leaders and have been to pretty much every EngSoc event there is. That means we know what goes into the events that EngSoc runs, and what's required to make them successful. We hope to build upon what EngSoc currently has, and make events even more fantastic. Some of our goals are to finally take a full inventory of Novelties, improve advertising, and work to make the financial transactions of EngSoc more efficient; something that the current VP Finance, Scott Rankin, has already been working on. We believe that we can make EngSoc even better through sound financial management and by improving the services the Engineering Society provides.

We're running together for VP Finance - what this means is that, if we're elected, next B-Soc term



Mina will officially be your VP Finance. However, the term after that, as Mina will not be able to be on stream due to his 8 month co-op, Jon will be your official VP Finance. The advantage to this is that the responsibilities of the position will always be able to be split between two people, and we will therefore be able to get more done for you.

3B Software Engineering

Farid Zakaria

Farid Zakaria - "Fido" Financier/Engineer/Lover/Friend

"I am the spawn; the hellfire of two charismatic engineers."

Name: Farid Zakaria
Program: Software Engineering
Class: 2011
Sex: Male
Height: 6'1
Favorite Food: Hot Dogs/Poutine from COSTCO
Favorite Beer: Red Baron

Now that you know a little bit about me, let me tell you a bit about my platform/campaign running for Vice Present Finance (VPF). In my opinion, the previous VPF has done a great job in allocating money to as many people/groups that have requested it (for valid reasons) and reallocating money from groups that are under budget. My goal as VPF would be to maintain/surpass this level of financial distribution so that the most can be made out of your money. I believe a clear glass operation is required for the position of VPF and I would go out of my way to make sure that all of the workings of the position are as transparent as possible.

Something I would like to improve upon would be:

- Adding a more formal method during EngSoc meetings for groups that request proposals, such that it can be clearer where the money requested would be allocated to.



ALL CANDIDATES FORUM → Thursday November 19th @ 11:30 AM CPH Foyer
Bring your questions! Bring your friends! It's the perfect lunch date!

WEEF Director Candidate Graham Stonebridge

2B Environmental Engineering



Hello Waterloo Engineering! My name is Graham Stonebridge and I am currently a 2B Environmental Engineering student. I have recently been helping out in the WEEF office as an Assistant WEEF Director and in the upcoming terms I want to be your brand new B-Soc WEEF Director.

The B-Soc WEEF team, led by our current Director Matt Bester, has been making a number of very positive changes to the way WEEF is run. For example, new rules regarding proxy vote distribution are being implemented to smooth the voting process at WEEF Council meetings. Other changes we are working on include initiatives to bring in more capital so that all you undergrads can benefit from more money each term – pretty rad yeah I know!

My first objective as WEEF Director would be to solidify the efforts that have been started this term. A number of people have put a lot of work into WEEF recently and I would not want for this to go to waste. Consequently what I have in store for WEEF is additive to what is

already in motion.

Back in my frosh days I was always convinced that my classmates and I weren't getting our "fair share" of our WEEF funds. We had lectures in the WEEF lab, of course, but what's so inspiring about some computers in a big smelly room? It wasn't until second year that my fluids and chem labs showed me how much I love my program. As WEEF Director I would like to introduce a series of lab tours with frequent WEEF funding applicants to show frosh or interested upper-years what each engineering program actually offers. In this manner, no student would be stuck in a program he or she does not like for any extended period of time.

I would also like to work on a number

projects for the continued advocacy and promotion of WEEF. Current efforts have focused on showing simply how WEEF's contributions are positive to Waterloo Undergrad Engineering. I would like to look at other endowment funds at other faculties and universities to discover how WEEF is run differently. There are potentially funding schemes outside of UW Engineering that might inspire future initiatives here on campus.

Overall I think I would run a solid WEEF. I'm really excited for this opportunity and I hope you support me in the upcoming elections!

-Graham

A Message From Your New EngFoc

ENGFOC 2010 ENGINEERING ORIENTATION

"How do I get involved?!"

Before you meet us, we wanted to say that we are all ready to work hard for you and for the upcoming class of 2015. Rest assured that we are going to make this year's frosh week just as amazing as all the ones before (and maybe even better). But we can't do it all alone, and that means we need YOU! We need each and every one of you people that had a blast during frosh week to sign up to be a Big, a Huge, or EDCOM. Did you like the video you saw at MOT? Want to film the whole week and be in charge of the videography? Sign up to be the very FIRST "Official Frosh Week Video Guru" and put your awesome skills on display so that the memories will last forever (no equipment required). To apply to any of these positions you need to go visit www.eng.uwaterloo.ca/~foc over the next few days and submit your application. People applying to be Huges and EDCOM will be required to interview for the position over the weekend of November 28th and 29th (sign up on the engsoc office door). If you are applying to be a Big and want to interview as well, you can also sign up for an interview time and come see us. If you're a first time leader (first year or upper year) you will need to complete orientation leader training A.S.A.P. You can check the above site periodically for when those sessions will start as they fill up fast. We encourage any and all students to apply because there are always a variety of first year personalities.

If you are moving onto A-Soc and want to wait to apply until then, we will be more than happy to accommodate you as a second round of interviews will be held next term. If you have any more questions, you can always email us at engfoc10@gmail.com and we'll get back to you as soon as humanly possible.

Sean O'Neill

I'm supposed to write a bit about myself and so I thought, "Who better to describe me than a Tibetan monk?" but since I don't have a Tibetan monk, I thought I would ask my friends to come up with a few words that they think describe me and I would put them down as they came into my inbox.

Here they are: "a-MAZ-ing, Beyond Belief, A Mime, All Of The Ghostbusters Combined, Awesome, Bear(x3), Beard(x7), Beardalicious, Bearded, Beardy, Burly, Contagious Smile, Cuddly (x4), Curious, Dance-Factory, Disobedient Xylophone, Drinks Excellence, Fear-somely Beardful, Feynman-esque, Fuzzy, Hot Casserole Of Smiles, Idiosyncratic, Inverted Fire-hydrant, Knight In Shining Armor, Lumberjack, Man-Tastic (x2), Maze, Manbearpig, Military Grade Super Cat, Organized, Peculiar,

Pure Unadulterated Awesome, Quirky, Sexy, Tactical Mannequin, Teddy Bear, Evil Teddy Bear, Whimsical, White-Man's Mr. T." (Some of these don't make sense...). A wise old man once had this to say: "I think the best way I can describe him is "enlightened". Sean-Oh is the archetypal engineer: grizzled, humorous and thirsty. His beard was the real cause behind the shipwreck of the Titanic (you thought it was an iceberg didn't you?) and to this day you can still hear the faint groans of the metal hull sinking ever deeper into it. His words are like honey to your ears. Future world leaders constantly time-travel to meet him for advice, inexplicably returning to their time with arm-fuls of cowbells. He is the world's least non-interesting man." I feel a bit humbled by what some people have written here, but I'm looking forward to working with all of you over the next year. I'm ridiculously excited to be one of your new FOC. I have always loved orientation week, and am going to do my best to make sure this week is just as good as or better than the one you remember having. I've been involved in frosh week since first year and I've held every ENG position at least once so I'm pretty experienced overall. Let's get to it!

Cassandra Leal

Some may say Cassandra was once a giraffe. With legs and arms long enough to touch ceilings, and an appetite for nomming organic food that rivals that of woodland creatures, Cassandra would seem to be at home with the animals of our planet. That may be true, but with one exception... the geese. Between counting down to the Vancouver Olympics, checking websites about average lives, or reading books about vampires or wizards, she hardly ever encounters the beasts. However, if the two do cross paths, it is of no surprise to see one of them cower and hide while the goose boasts and struts. For as long as SeanO has had a beard, Cassandra has had an unexplainable fear of the waddling, squawking, hissing, pooping, swimming and flying creatures. Although she may appear to have a gentle and approachable demeanour, never make the one fatal error that will enrage her above all others. Never say M&M's are the same things as Smarties. Some may wonder why she left her home in Brampton to pursue her career as a civil engineer at UW, however, those who are close know the real reason. To be part of FOC!

Hi! I'm Cassandra, and I'm really excited to be a member of the EngFOC team for 2010! I've been involved with residence orientation and faculty orientation (twice) and I hope to bring that experience towards making Orientation Week 2010 amazing for the incoming students. I am prepared to speak with all of you who have ideas for the upcoming week, and I am excited about all the responsibility this posi-

tion brings! Do it live!

Nizar Hasan

There was a once a great man by the name of Nerlin the NIZARD. He loved all things Nagic and dreamed that one day life would be filled with all things Naterloo. He had a pet Nowl, wore an inNIZibility cloak and powerfully thrust his Nand. He was a God-fearing, sensible man, wanting nothing but the ability to fly. He enjoyed squash (not the vegetable), spoke Narabic, and loved using his hard hat as a Nortkey. One day he saw into the future: an epic battle will arise between 6 houses. He saw his great, great, great, great, grandson, lil Nizzle, fighting alongside Warriors with hats of all colours. And suddenly it went black...Nerlin had too much to drink the night before. And so the story ends leaving us to wonder if lil Nizzle was anything like Nerlin. Will the Warriors stand united and win the battle? It seemed that anything was possible at Naterloo...

Yes it is ladies and gentleman. Orientation will be great, you will be great and the events will be unforgettable! I am truly honoured and blessed to be taking part in this awesome week and to be working with all of you. My three years of residence orientation experience (in 3 different roles) will hopefully help me give back to orientation 2010 for all that it has given me. I can't wait to help lead engineering orientation to the best it could be, and that starts now.

EN GARDE annnnnd GO!

(By the way, lil Nizzle liked to play with his lil Pickle.)

Stuart Pearson

As a child, his greatest ambition in life was to be a whale. Once he realized that an aquatic lifestyle was not in the cards, he traversed the globe, looking for entertainment to brighten his sorrows. Some of his adventures included fruit-fighting in the Scottish Highlands and spoon-fighting on the Alberta Oil Sands. One day, whilst swimming from Labrador to Iceland, he was attacked by pirates, and forced into labour as a mime. He spent several silent, agonizing years imprisoned in an invisible box on board their ship, surviving only on a diet of orange peels and asparagus.

In a last-ditch effort to escape his life as a pirate, he decided that he wanted to be an owl. In an improbable turn of events, he sprouted feathers and flew away to Saskatchewan. This was all well and good until he experienced an "unfortunate hunting accident" and lost an eye. That was the last straw. Stuart had enough of his life as an adventurer, and settled down as a Civil Engineering student. Now in his third year at Waterloo, he has taken on the role of FOC for Frosh Week 2010. Unverified reports claim that he "has a bit of a thing for Frosh Week" and is "just a teensy bit excited". Time will tell.



EngPlay Fall '09 Presents:

The Brothers Grimm Spectaculation
A Play by Don Zolidis

Now With FREE ADMISSION!

November 20th - 7:15pm
November 21st - 1:15pm & 7:15pm
Where - AL 113

Pick up your free ticket to reserve a seat in the Orifice
Today!

When in Rome...

Fourth Installment: [Filling] the Belly of an Architect



ANDREA MURPHY
4A ARCHITECTURE

When your stomach grumbles in the Eternal city, there is never a concern that it will go unanswered. However, a simple thing like eating out is very different in Rome than back home. Starting with breakfast, you are expected to hurriedly eat a croissant filled with jam or maybe a cookie and a cappuccino while standing at a crowded bar. This may seem delightful when compared to the greasy Timmies breakfast sandwich that you inhaled this morning as you ran to class, but let me tell you- it gets old fast. The sugar crash at 10am is only rectified by more strong Italian coffee, or, my favourite, a gelato break. That's something that is indeed as good as it sounds. When the Romans are bundling up in their down jackets and scarves, I stand out

as the Canadian walking down the street in a hoodie and eating ice cream. Luckily the gelato shops will continue to sell their delicious ice cream right through this cold rainy season that they call winter.

Before you know it, it's time to have lunch. The jury is out on the more traditional Roman way to eat a mid-day meal. It would seem that there are those who frequent the fast food joints, (yes you can get McDonalds in Rome- at all the major monuments no less!) and then there are those who sit down to the several-course long smorgasbord of food made by an army of Italian Grandmothers in the kitchen. The quick version of lunch consists of a slice of foccacia pizza, which is commonly smothered in olive oil and any combination of mozzarella, fresh tomatoes, prosciutto (ham... sort of), sausage, roasted potatoes, and deep fried zucchini flowers. This grab-and-go meal is sold at bakeries and therefore a convenient and common student lunch. The alternate choice would be to sit at

a restaurant and be served an appetizer like bruschetta, then a first course which is typically pasta, followed by the second course which would be meat of some kind, ended with a dessert, likely being tiramisu. This lunch would therefore be the largest meal of the day, like our dinner. But be warned that if you eat this for lunch, you will need to partake of the typical Italian siesta time between one and four in the afternoon, since everyone knows that productivity nose dives when you try to work on a bloated stomach!

Afternoons are long in Rome. This is mostly because many restaurants don't open for dinner hours until 8pm, and if there are any places that will feed customers earlier than that, then they are expecting the tourist crowd and likely hike the prices up for that reason. Ordering dinner can be as complicated as the enormous lunch was, unless you have a budget in mind which keeps your eyes on the pasta and pizza pages. A full three-course meal isn't necessarily expected depending on

how much lunch you ate, but to have more than one course often requires a healthy appetite and a bottomless stomach. The pizza alternative to dinner is surprisingly thinner than its North American counterpart and at least doubles the radius of our typical personal pizza. The thick-crust, greasy, sauce-drenched North American pizza shows up in a few of the worse Roman restaurants, but a true Italian pizzeria will have much more delicate and topping-rich pizzas for about seven or eight euro apiece. When compared to eating out in Canada, food can get really expensive if you start to convert euros to dollars in your head- but worse yet is the cost of a non-alcoholic beverage. So, with dinner out, besides a pitcher of water, wine and beer are going to be the best budget drinks you can find.

All this talk of food is making me hungry. I'll have to get my fill while I am here, since after eating in Rome, East Side Mario's will never be enough! Alla prossima, Waterloo!

Wild West (Coast) Adventures



AMANDA LEDUC
2T MANAGEMENT

My Dear Darlings,

While I've enjoyed my time in Calgary immensely thus far, I must admit I was getting bored of living the suburban life ... so I went to Vancouver for the weekend! It was the first time I went on a trip and didn't have to plan or worry about a thing. I went with my cousin Alison, who has become somewhat of a world traveller, despite graduating from Carleton less than two years ago. She's always fun to be around and she looks kind of like me, except a bit shorter.

We flew out of Calgary Friday evening after work and landed in Vancouver 15 minutes after we took off due to the 1 hour time difference. The flight was nothing exciting, it was the Skytrain upon landing that was. The Skytrain is Vancouver's LRT system. It goes above the highways outside of the downtown core and underground while downtown. For those who have travelled from downtown Toronto to Pearson Airport, imagine how much time you would save if the subway went all the way to the airport instead of having to take the 192 Airport Rocket from Kipling Stn to get there. Well, Vancouver recently opened a new LRT route called the "Canada Line" that starts at the airport and goes downtown. It takes less than 30 minutes!

After checking into the hotel, Alison and I were famished. To truly experience the best of Vancouver cuisine, we decided to go for sushi. We found a super trendy little sushi restaurant near the corner of Robson and Granville. I have eaten a fair amount of sushi in my lifetime, and I have never tasted any sushi so delicious and fresh. I swear the fish on my plate must have been swimming around the Pacific Ocean hours before it was served to me. On a slightly unrelated note, down the restaurant from us was a bunch of vampire like people, but not the good looking actors from Twilight we were hoping to see.

After the restaurant, we walked down Granville which is the street with all the nightlife, similar to Richmond St in Toronto except less sketchy. We met up with some of Alison's friends at a club called Ginger Sixty-Two. One of the girls we met had gotten us on the guest list so we didn't have to freeze waiting in line outside. The club was majority lounge area with a small dance floor and VIP area (complete with shag carpet). It was Friday so Alison and I split a bottle of Sparkling Wine and had ourselves

a lovely Fizzy Friday. Later into the evening, one of the girls we were with got us into the VIP area somehow. It was substantially nicer than the regular dance floor from which we had just come, and who wouldn't want to dance on a shag carpet?

The next morning we went shopping on Robson Street. Robson is comparable to Queen St in Toronto but better. I didn't think it was possible, but Robson is even more densely commercialized than Queen and I mean that in a good way. All the best stores all packed together on one street! We ended up buying Olympic merchandise from Aritzia and the Bay since we could buy everything else in Calgary and pay less sales tax (no PST in Alberta!).

I had never realized how exploited the Olympics were until our trip to the Bay. The Olympic merchandise section seemed to never end. Anything you could think of (except a puzzle, I looked) was present in Olympic style. From mouse pads, to clothing, to pins, to ties, they had it all! The most ridiculous part of the whole thing was that when you get to the cash surrounded by VISA logos, the lady says, "Will that be VISA or cash?". Many confused patrons say, "Umm, MasterCard?" to which they are told the only card that can be used to purchase Olympic merchandise at the Bay is VISA. I wonder how much VISA had to sponsor to get that perk.

After shopping we went for an afternoon stroll along the water front. Now Toronto has a little wee harbour front area that smells like rotten fish while downtown Vancouver is surrounded on nearly all sides by water and has Stanley Park at its peak. We walked by the new convention centre and saw the largest green roof in Canada as well as a bunch of trendy new buildings ready for the Olympics. We ended our little walk with a brief visit to Stanley Park and it was incredible. Although Stanley Park is next to downtown, you can't see or hear the noise from the city within the park. It feels like you're a thousand miles away from the busy urban beat of one of the country's largest cities.

We walked back to our hotel on Robson for a power nap so we could recharge to go out again because we had two stops planned for Saturday night. The first was the revolving restaurant called Cloud 9 on the top floor (42) of the hotel in which we were staying. Seeing the city at night from up there was beautiful. So awesome we stayed for nearly 2 hours (2 revolutions) enjoying drinks, appetizers and the view. We left and went back to Granville to the Irish Pub called Doolins to meet with my dear classmate Alex who happens to be on coop in Vancouver. I didn't think I'd see any of my classmates while out

west so it was nice to see a familiar face.

The following morning we did a bit more shopping on Robson and then headed to Granville Island. Granville Island is definitely an artsy, trendy, touristy type of place. There were fresh farmer's markets similar to the one in St. Jacob's and craft/jewellery stores everywhere. I would have loved to spend more time there, but we had a flight to catch so we left only an hour after arriving.

Now I'm back in Calgary and realizing how boring I have become. To liven things up a bit, I have decided to do something I haven't done in a couple of years ... I'm going on a first-date! Well, two first-dates actually. I've decided to give the U of C boys in my salsa class a chance, so I have a movie date scheduled with one of them for Friday night and dinner scheduled with another one for Saturday evening. Since I don't intend on forming a romantic relationship with either, it seems most efficient to date two at once. All I have to do is remember which

one I'm meeting where and I see no way this can backfire ... unless they try to talk to me at the same time at our salsa lesson on Monday. I'll let you know how this all plays out, I'm rather excited to see the outcome myself.

Miss you all dearly,
Amanda

Note: I did not mention the "unidentified individual who shall remain nameless" in this issue because he has essentially fallen off the face of earth as far as I'm concerned. For those of you wondering who this gentleman is, it's our very own Dangerman. While Dangerman can be charming, he seems to be unable to commit to a 1.5 hr/week salsa lesson. I guess all of that danger stuff he does takes up a lot of his time, because as of the publishing of this article, he has a 75% failure to show up to dance class rate. Evidently he has not considered the danger of breaking his word to a lady.

Engineering Jazz Band

With Respect to Time
Presents...

Charity Gig

November 29, 2009

5-7pm

SCH: Flamingo Room

Tickets: \$10

Ticket are available at the Engineering Society Office
All profits go to Ride to Conquer Cancer

This event is all ages/19+.

PDENG INDEPENDENT REVIEW

Recommendations, Recommendations, and More Recommendations for PDEng

CAROLYN MACGREGOR
DIRECTOR, PDENG

In talking with EngSoc reps and other students, we decided to focus our second article relating to the Independent Review of the PDEng Programme on a comparison of the various recommendations that were put forward in the Student Report submitted to the Dean (Winter 2008), the recommendations put forward to the Dean by PDEng as part of its Self-Study (initial submission Spring 2008), and the recommendations put forward by the Independent Reviewers (Fall 2009). This will give students a chance to see where the overlaps in recommendations for improvements to the PDEng Programme. It will also give PDEng an opportunity to share with stu-

dents the recommendations that we put forward to the Dean and reviewers back in 2008.

We received permission from EngSoc to include the recommendations that were put forward in the Student Report (2008) for comparison purposes. You can find a copy of the EngSoc report at http://www.engsoc.uwaterloo.ca/sites/default/files/documents/society/A-Soc_Submission_to_PDENG_Review_W08.pdf.

Jeremy Steffler, PDEng Associate Director, and PDEng Staff's have pulled together a table with the three sets of comparisons as a way of highlighting many of the overlaps in recommendations. You will find it in our article "Comparing PDEng Recommendations" (see below). It is important to state that the commentary in the article "Comparing Recommendations" (below)

reflects the views of PDEng and are not necessarily the views of EngSoc, or the Independent Reviewers.

I want to remind everyone that as the PDEng Independent Review process continues to be under the purview of Dean Sedra. Even though a number of recommendations were made by PDEng in its Self-Study, once the independent review process started we are obliged to hold off on any significant changes to the courses or programme until we are given direction from the Dean to make specific changes. That said, there have been a number of changes made to the offerings of the PDENG courses since the first offering of PDENG 15 in Winter 2005. Since January 2009, we have been able to make changes that we believed would be helpful to students in the interim while waiting for specific direction

from the Dean. In the next PDEng article we will comment on the changes we have made to assignment instructions, the inclusion of grace days, and the adoption of a holistic marking approach; and how those changes have affected the success rates for students on assignments and in achieving credit in PDENG courses.

Once again, I encourage all students to be actively engaged in their education. Take advantage of opportunities to add value by making sure you are informed on the issues. Read the "Comparing PDEng Recommendations" article by Jeremy Steffler; read the Student Report; and read the Independent Review document so that you can submit informed responses to EngSoc's call for student response. Feedback is being gathered on the EngSoc website at engsoc.ca

Comparing PDEng Recommendations

JEREMY STEFFLER
ASSOCIATE DIRECTOR, PDENG

In the PDEng Position Statement, published in the November 4th (2009) edition of *The Iron Warrior*, stated that the PDEng Programme was "encouraged that its own recommendations for improvement are generally reflected by the recommendations of the independent review". To provide a little more context to this statement, we have spent some time comparing our recommendations to those outlined in the *Independent Review Report and the Engineering Society 'A' Submission*, submitted as part of the *Professional Development for Engineering Students (PDEng) Programme*. Before presenting the results, it is important to present a little background on our own study in support of the Independent Review efforts.

As part of the Independent Review Process, the PDEng Programme was asked by Dean Sedra and Associate Dean Loucks to conduct a self-study. A report detailing the results of this study was to be submitted to the Dean of Engineering as part of the independent review process, though - knowing the amount of time it would take to prepare a comprehensive report - we were asked to begin our self-study efforts in January 2008 (before the terms of the independent review were formally announced). Our self-study was a critical analysis of our programme objectives, curriculum, delivery, administration and links to the engineering

curriculum. We used a strategic analysis approach (similar to the SWOT approach used in PDENG 45) to identify what was done well, what could have been done better and additional opportunities that could potentially be realized through the PDEng Programme. A large team of people, including members of the PDEng Staff and Faculty, the PDEng Steering Committee and the Engineering Society (EngSoc), were involved in the data gathering, analysis and drafting of our self-study report. Our first draft was completed on June 27, 2008 and was circulated to our Steering Committee (including our EngSoc representatives). A second draft was completed on September 17, 2008 and submitted to the Dean of Engineering for review and comment. Our final draft was completed on January 16, 2009 and formally submitted to the Independent Review Process. It should be noted that while some clarifications were provided after each draft of the report, the recommendations and action items identified in this article *remained unchanged* in each draft.

Having this background information is important for a number of reasons. First, it should be known that the primary audience for the self-study was the Dean of Engineering and the review panel. Therefore, the wording used is very much oriented towards the administrative and operational changes that we believed would improve the programme - so in other words, the recommendations are quite formal and a little bit "stuffy". In addition, the recom-

mendations focused on what the "PDEng Programme" could do - and as such, there is very little discussion of students in the text of the recommendations. This does not mean that student feedback and experience was not considered in drafting the recommendations - far from it! The summary of recommendations comprised only 7 pages of a very comprehensive document. This document includes a detailed analysis of student feedback received in PDENG courses, EngSoc forums and the views of all undergraduate students and recent graduates who were involved in the self-study. Therefore, while the wording may appear a bit administrative and somewhat removed from the student experience, rest assured that the foundation of virtually all recommendations and action items was a critical analysis of student feedback and how to improve the PDENG course experience for all stakeholders. To illustrate this, square brackets [] have been provided to illustrate what sections of the self-study provided the basis for each action item.

The following table provides a very rough comparison of the recommendations made in the three reports. In the first column, we present all of the action items presented in our self-study (grouped by the 6 key recommendations). We have provided the complete text as we know our Self Study report is not widely available. In the other columns, we list the recommendations made in the other reports. This is only a "rough" comparison, as the recommendations presented in

each report are worded quite differently and intended for different audiences. The recommendations in each document are based on the more detailed data and discussion presented in each report and the links noted in the table may not be immediately apparent without having reviewed the complete report. Furthermore, as we have not had the opportunity to discuss the table with all three parties, it would be premature to state that there is actual agreement with respect to the overlap PDEng believes exists in the recommendations. There is certainly the potential for some bias in the interpretation of each report and discussions with all three parties would be necessary to refine this table further.

Having said the above, we hope that this table helps illustrate why the PDEng Programme believes there is some overlap in the recommendations of the parties that have actively contributed to the Independent Review process. The PDEng Programme eagerly awaits the completion of the Independent Review process (which is still on-going) so that we can start moving forward on many of these recommendations - especially since we have identified some of them over a year ago! While we have started implementing some changes, we have had to wait for the completion of the Independent Review Process, to ensure that we had the support of all stakeholders before requesting the resources and establishing the partnerships required to move forward.

Chapter 3 of the PDEng Programme Self Study (Pages 2-5 to 2-12 of 16-Jan-2009 Submission)	EngSoc 'A' Submission (Page 22 of 15-Apr-2008 Submission)	Independent Review Report (Pages 15-17 of Oct-2009 Submissions)
<p>3.1 The PDEng Programme should identify and pursue opportunities to foster a larger degree of integration between PDENG courses and the rest of the undergraduate engineering curriculum.</p> <p>3.1.1 Action Items Related to Fostering Better Interaction Between the PDEng Programme and other Interested/Impacted Groups at UW</p> <ol style="list-style-type: none"> 1. The PDEng Programme should determine effective methods of engaging Departmental Academic Advisors to ensure they have the requisite knowledge to assist students in PDENG course matters [Section 5.4.4]. 2. The PDEng Programme should engage other Engineering Faculty members to have the skills assessed in PDENG courses reinforced throughout the undergraduate engineering curriculum [Section 4.4.3]. 3. The PDEng Programme should foster ties with Distance and Continuing Education and the Centre of Teaching Excellence. [Section 5.4.9]. 4. The PDEng Programme should continue its efforts to push for the Engineering Society and the Faculty of Engineering to implement of a formal course feedback system as soon as possible [Section 9.4.1]. <p>3.1.2 Action Items Related to Integrating the Unique Characteristics of the PDEng Programme into Existing UW Policies and Procedures</p> <ol style="list-style-type: none"> 1. The PDEng Programme should investigate methods to increase awareness about, and build-up the credibility of, the PDEng Programme (both internally and externally to the university) [Section 5.4.6]. 2. The PDEng Programme should re-examine the qualifications for staff members who could be appointed as a course instructor and clarify the role that being an engineer plays in the training of an undergraduate engineering student in professional skills [Section 11.4.3]. 	<ul style="list-style-type: none"> • First Recommendation: The results from the student survey should be used as a benchmark for which future surveys to be measured against. • Second Recommendation: The PDEng Programme should continue to actively involve students in its development and decision making processes. • Third Recommendation: The course content and administration should be continually reviewed in order to improve the programme. • Fourth Recommendation: Relationships within the Faculty and with external organizations should be fostered and nurtured in order to provide students with additional opportunities to advance their professional careers. • Sixth Recommendation: The programme objectives should be more clearly stated to students so that they will have a deeper understanding of the bigger picture. • Seventh Recommendation: Efforts should be taken in order to reduce the inconsistencies in marking of assignments. 	<ul style="list-style-type: none"> • Recommendation 1A: Healing Relationships- Acknowledging and Addressing Student Concerns (p.15) • Recommendation 1B: Healing Relationships- Bridging the Disconnect Between the PDEng Programme and Academic Programmes (p. 15-16) • Recommendation 2: Connection with Co-op Employers and Alumni Mentors (p. 16). • Recommendation 3A: Curriculum- Reevaluation of Curriculum (p.16) • Recommendation 3C: Curriculum- Establish a Steering Committee Including Departmental Faculty for Curriculum Redevelopment (p.16) • Recommendation 5: Course Evaluation (p. 17) • Recommendation 6: Follow-up Review

Comparing PDEng Recommendations (Continued From Last Page)

Chapter 3 of the PDEng Programme Self Study (Pages 2-5 to 2-12 of 16-Jan-2009 Submission)	EngSoc 'A' Submission (Page 22 of 15-Apr-2008 Submission)	Independent Review Report (Pages 15-17 of Oct-2009 Submissions)
<p>3.2 The administrative structures associated with the delivery and oversight of the PDEng Programme should be re-examined and optimized.</p> <p>3.2.1 Action Items Related to Programme Oversight</p> <ol style="list-style-type: none"> 1. The PDEng Programme should investigate replacing the existing Steering Committee with separate functional committees that would allow independent focus on administrative and curriculum matters [Section 5.4.2]. <p>3.2.2 Action Items Related to Programme Staffing</p> <ol style="list-style-type: none"> 1. The PDEng Programme should consider improving the balance between instructors, administrative staff, full-time mentors and contract (co-op) mentors [Section 11.4.1]. 2. The PDEng Programme should investigate the hiring of additional Instructional Support Coordinators to help distribute Course Instructor duties [Section 5.4.3]. 3. The PDEng Programme should consider hiring technical staff that would liaise with Engineering Computing on the Programme's behalf [Section 7.4.2]. 4. The PDEng Programme should create a plan for managing turnover in full-time PDEng Staff [Section 11.4.2]. 	<ul style="list-style-type: none"> • Second Recommendation: The PDEng Programme should continue to actively involve students in its development and decision making processes. • Seventh Recommendation: Efforts should be taken in order to reduce the inconsistencies in marking of assignments. 	<ul style="list-style-type: none"> • Recommendation 2: Connection with Co-op Employers and Alumni Mentors (p. 16) • Recommendation 3C: Curriculum- Establish a Steering Committee Including Departmental Faculty for Curriculum Redevelopment (p.16) • Recommendation 4D: Marking, Resubmissions, Markers- Reconsideration of Who is Marking PDEng Course Assignments (p.17)
<p>3.3 The PDEng Programme should take steps to map the existing programme curriculum and identify areas for improvement.</p> <p>3.3.1 Action Items Related to Curriculum Mapping and Skill Staging</p> <ol style="list-style-type: none"> 1. With all five courses now having been implemented, the PDEng Programme should map the curriculum and reorganize course material as appropriate [Section 4.4.2]. 2. The PDEng Programme should continue to seek out resources to diversify the experiences contributing to the development of course curriculum [Section 5.4.5]. 3. The PDEng Programme should take steps to revise the PDENG course descriptions that appear in the UW Undergraduate Calendar to more accurately represent the skills assessed in each course offering [Section 4.4.1]. 4. The PDEng Programme should consider offering an initial on-campus PDENG course offering (PDENG 05) [Section 8.4.1]. <p>3.3.2 Action Items Related to How Professional Skills are Assessed</p> <ol style="list-style-type: none"> 1. The PDEng Programme should re-assess the current CR/NCR grading scheme. [Section 3.4.2]. 2. The PDEng Programme should conduct a study to determine whether or not attempting to integrate both teaching and assessment within PDENG courses is the most effective method of preparing students for success in PDENG courses or if these activities should be separated [Section 8.4.2]. 	<ul style="list-style-type: none"> • Third Recommendation: The course content and administration should be continually reviewed in order to improve the programme. • Seventh Recommendation: Efforts should be taken in order to reduce the inconsistencies in marking of assignments. • Sixth Recommendation: The programme objectives should be more clearly stated to students so that they will have a deeper understanding of the bigger picture. 	<ul style="list-style-type: none"> • Recommendation 1B: Healing Relationships- Bridging the Disconnect Between the PDEng Programme and Academic Programmes (p. 15-16) • Recommendation 2: Connection with Co-op Employers and Alumni Mentors (p. 16) • Recommendation 3A: Curriculum- Reevaluation of Curriculum (p.16) • Recommendation 3B: Curriculum- Increase Interactivity of Course Material (p.16) • Recommendation 4A: Marking, Resubmissions, Markers- Skills Averaging (p.17) • Recommendation 4B: Marking, Resubmissions, Markers- Ensure Instructions Consistent with Grading Basis (p.17) • Recommendation 4C: Marking, Resubmissions, Markers- Reconsideration of Resubmission Process (p.17)
<p>3.4 The PDEng Programme should consider steps that can be taken to enhance student preparedness for PDENG courses</p> <p>3.4.1 Action Items Related to Aiding Students in Developing the Essential Skills that Support Professional Skill Development.</p> <ol style="list-style-type: none"> 1. The PDEng Programme should work with the Associate Dean of Undergraduate Studies and other impacted parties within the Faculty of Engineering conduct research to better understand the nature of this generation of students [Section 9.4.2]. 2. PDEng Staff should examine the option of offering versions of PDENG courses that focus on the teaching of professional skills [Section 9.4.3]. <p>3.4.2 Action Items Related to Student Understanding of Course Requirements and Expectations</p> <ol style="list-style-type: none"> 1. The PDEng Programme should have students complete a self-assessment of their level of competency in the skills being assessed at the start and end of the term. [Section 3.4.1]. 2. The PDEng Programme should engage students who have completed the PDEng Programme by having them speak to junior students about the programme [Section 5.4.7]. 3. Students should draft a plan for completing their PDENG courses prior to or at the start of their work terms [Section 6.4.1]. <p>3.4.3 Action Items Related to Student Independent and Experiential Learning</p> <ol style="list-style-type: none"> 1. The PDEng Programme should evaluate of the professional skills possessed by the incoming students [Section 4.4.4]. 2. The PDEng Programme should investigate the impact of the programme on students' preparation for the workplace [Section 13.2.1]. 	<ul style="list-style-type: none"> • Second Recommendation: The PDEng Programme should continue to actively involve students in its development and decision making processes. 	<ul style="list-style-type: none"> • Recommendation 1A: Healing Relationships- Acknowledging and Addressing Student Concerns (p.15) • Recommendation 2: Connection with Co-op Employers and Alumni Mentors (p. 16) • Recommendation 3A: Curriculum- Reevaluation of Curriculum (p.16) • Recommendation 4A: Marking, Resubmissions, Markers- Skills Averaging (p.17)
<p>3.5 The PDEng Programme should take steps to improve those operational procedures which support course offerings.</p> <p>3.5.1 Action Items Related to Supporting PDEng Programme Operations</p> <ol style="list-style-type: none"> 1. PDEng Staff should examine ways to improve the management of course content [Section 5.4.8]. 2. The PDEng Programme should consider the addition of multimedia enhancements to PDENG courses [Section 7.4.1]. 3. The PDEng Programme should work with UW-IST to examine what alternatives may exist to the current use of the UW-ACE system [Section 7.4.5]. 4. The PDEng Programme should examine the feasibility of identifying potential replacement software for WCopyFind [Section 10.4.1]. 5. The PDEng Programme should continue efforts to improve course enrolment procedures [Section 5.4.1]. 	<ul style="list-style-type: none"> • Third Recommendation: The course content and administration should be continually reviewed in order to improve the programme. 	<ul style="list-style-type: none"> • Recommendation 3B: Curriculum- Increase Interactivity of Course Material (p.16)
<p>3.6 The PDEng Programme should continually strive to identify and take advantage of other opportunities for continuous improvement.</p> <p>3.6.1 Miscellaneous Action Items</p> <ol style="list-style-type: none"> 1. The PDEng Programme should develop a guide for co-op employers who may be interested in helping their students complete their PDENG Course Requirements [Section 6.4.2]. 2. The PDEng Programme should examine whether or not to continue using a course textbook in PDENG 15 and PDENG 25 [Section 7.4.3]. 3. PDEng should examine options for delivering course content on a CD that could be made available to students before they leave on work term [Section 7.4.4]. 4. The PDEng Programme should re-examine the current design and implementation of PDENG courses to identify ways to reduce the workload for PDEng Staff [Section 11.4.4]. 5. The PDEng Programme should investigate various employers' views on UW and PDEng [Section 13.2.2]. 6. The PDEng Programme should examine funding opportunities that may be available for research into engineering education [Section 13.2.3]. 7. The PDEng Programme should position itself to play a key role in the establishment of a Center for Engineering Education [Section 13.2.4]. 	<ul style="list-style-type: none"> • Fourth Recommendation: Relationships within the Faculty and with external organizations should be fostered and nurtured in order to provide students with additional opportunities to advance their professional careers. • Fifth Recommendation: Alumni should be involved with the PDEng Programme in order to improve the image of the university and to continue to secure the financial support these individuals provide. • Seventh Recommendation: Efforts should be taken in order to reduce the inconsistencies in marking of assignments. 	<ul style="list-style-type: none"> • Recommendation 2: Connection with Co-op Employers and Alumni Mentors (p. 16) • Recommendation 3A: Curriculum- Reevaluation of Curriculum (p.16)

The Adventures of Dangerman Of Ballots and Bare-Knuckle Boxing



Dearest Reader,

To begin with...Vote like the wind!

If I had to tell you what my single-most reliable and effective weapon to inspire change in this world is, it would probably be my Canadian-Custom .45 calibre Para-Ordnance P10 with LDA trigger, aka "Bad Danger". Nothing says "I'm the Canuck that F*cked you up" quite like it does!

However, if I had to tell you my **second** most reliable weapon, it would be the opportunity to cast a ballot and vote! I can't stress the importance of this more. It has taken human civilization several thousand years to devise a system for mostly-peaceful transitions of power in government. And, if that's not enough, politics are cool, baby. Particularly, EngSoc politics!

Such nobility! Such pride! I often regret that I never sought to be elected to office within student government. However, my enormous Hindenburg-like ego could scarcely contend with such a public test of my own popularity. Not to mention being an elected representative of the engineering society means you have to cultivate a certain professional grace and civilized demeanour. I tend to resolve most of my conflicts with blackmail, extortion, kidnapping, or just good old-fashion violence; sort of makes me ineligible. However, I do love supporting my friends that seem up to the challenge.

Though exiled these last 6 months to the Alberta Gulag, I was surprised and delighted to find my inbox filled with invitations to join the various candidates' Facebook pages. Perhaps the most exciting will be the cage-style death-

match for VP-external between four separate candidates. There's also the diehard head-to-head between Cailin Hillier and Scott Rankin over the presidency. Alex Hogeveen-Rutter, Trevor Jenkins, and Drew Lemcke will go bare-knuckle in order to take home the position of VP-Education.

The VP-Finance race should be particularly exciting given that this will be the first opportunity for a Nano to run under the new legislation introduced by that brilliant lawmaker Chad Sexington (previously they were ineligible due to their crazy 8-month coop stream pattern). Jon Warren (ECE) will tag-team with Nano Mina Labib to face off against Farid Marwan Zakaria in this historic race.

To see all the candidates in action, be sure to check out the Election Forum, which will be held at 11:30am on November 19 in the CPH Foyer. If you like unbridled verbal violence, with people seething in anger over the "issues" and filling the halls with screaming rhetoric, then this is quite possibly the most entertaining thing you'll ever find on a Thursday outside of POETS. There will be blood.

Now, perhaps you're feeling politically apathetic, or maybe so worn down from your program that you couldn't begin to care about who wins some stupid contest. Strike those thoughts from your head! I'll tell you now that political apathy is more dangerous than H1N1 and unless you want to wake up one day dodging machetes of some local militants you should start caring pronto. Those who live by the apathy, die by the apathy. Get into process and learn what's going on.

Good luck to all the candidates!

Sincerely,

Dangerman

Eric.Dangerman@gmail.com

1. The firing sequence positively whispers "Justice".

Adventure is Upon You

Sometimes You Just Have to Move



Hey there sexy readers!

Sorry for my lack of article last week, I know all you faithful followers were ready to delve into the world of Chad and were sadly disappointed by his absence. Fear not, I'm here again (at least in spirit for the time being). Last week I commented on some of my favorite Halloween costumes, so if you still want advice on that you can email me at questions4chad@gmail.com and I'll get back to you. But now for the story of a lifetime:

So it was that I was residing in my log cabin nearby the University of Waterloo (where I am obtaining my MANGineering degree) and a great urge came upon me. A feeling of compulsion came over me and I could not sit still any longer. I needed to escape, to move, to be free. A quest! That is what I required. The Chad is restless and his soul stirs for the greater woods of the world. To see and experience and make beautiful once more the sexy parties of the wider regions of this world we call home. So I took some of my own advice and spread out a map upon the wall, chose a dart, threw it, and selected a location for the first stage of my adventure. Upon the way I would make a scheduled number of turns: 21 left, 20 right, randomly as I chose to administer them, but no more and no less. Using these turns I would come to the end of my road for the first day, and whatever location I should chance upon would be my resting spot for that eve.

Begin! I loaded up my trusty rucksack, put on my best plaid jacket and laced up my boots to head onward to this new location. Hopping

into my pickup and bidding goodbye to my log home, I set forth on a great adventures towards my destination of destiny. Twists and turns I did take, left, right, left and left again. So on and again it went, past Envy's, Creo's and a Doghouse, until I finally came upon a lodge. Something about Lakes and Land was written above the door. Inside looked dim and dingy. "Perfect" said I. Back into town I went, passing directions to all, trading lumberjackery advice and incentives to all who would listen. Passing out advice to all of the people, beautiful and majestic who could not see it in themselves yet. Minstrels were hired and courtesans courted, all back to the lodge at the lake. Calling to my chum and good friend who lived in this wild yonder (who knew?!) the man of Science and Balls, we invited many a man and lady to the cabin. With no time to spare I chopped down some trees and created from them the sexy visions of the most attractive people. Each and every one a fine example of a new world. And then they came. People of every walk of life came to meet one another and be glad. The first sexy party had begun!

And now the sensual soiree is on. Late into the night the beats thud and the music whispers. Further people arrive and more sexy party is yet to be had. Until the next dawn rises we shall be celebrating the night. And so the influence of The Chad is spreading just slightly further into the world this day. Tomorrow I will begin again, selecting a new destination and taking a new number of turns. If you can guess where it is that I am, and email the correct location to questions4chad@gmail.com you can choose the number of turns I take in the next leg of my adventure.

Until next time,
Stay Sexy

OPINION

EngSoc Elections: Why You Shouldn't Vote For Your Friends

**ANGELO ALAIMO &
ANISH BHUTANI**

2B ELECTRICAL & 2T CHEMICAL

EngSoc elections are underway with candidates actively campaigning to attain the engineering student body's majority vote. Many students, especially in second year and up, may know one or more candidates, and be motivated to vote for them. It is said, the best way to win an election is to get one's name out to as many people as possible. The motivation towards for this method comes from the fact people who are voting don't know the issues or the platforms, and will vote for the name they recognize the most turning an election into a popularity contest.

Rather than voting for a candidate who can make a difference or who is qualified for the position, people may vote for a person that everyone seems to like. This isn't to say the most popular candidate isn't also the best, but popularity should not be the main factor of an election. Everyone would like to be able to see their friends sitting at the front of the lecture hall during EngSoc meetings, or just to be able to say "I'm friends with the [insert position]." However, is that really what we need?

Sixteen months in a given executive position of the Engineering Society is a long time, and while it may only affect the next two on-campus terms, the affects one person, along with a team of executives, can have lasting effects on the University and for the Engineering Society. The elected candidates will essentially be running the show for the society. They will be meeting with University officials, engineering department heads, external engineering societies, members of the community, and other faculty executives. They will be organizing events

within the society, in the community, around the University, and most importantly, organizing events for you. They will be managing the funds of the society, not to mention a multi-million dollar engineering endowment fund. Do you even know where your \$14.25 and \$75 per term goes?

These elections do need to be taken very seriously, and it begins by every member of society taking an interest in the direction they believe the society should go towards. Think about: What do you like about EngSoc? What don't you like? What would you want changed? How would you change it? What criteria does a candidate have to match to be the best for a position? How much does the candidate love the society? Do they have the experience? The background? Or the initiative to make a difference in the position they are running for? Do you really want this candidate to be representing you and the society in front of the aforementioned groups?

I know that's a lot of questions, and there likely many more, but start trying to answer those questions and get information about each candidate's platforms so you can make an informed decision. A few ways to get this information include viewing each candidate's website/facebook group, or come out to the candidate's forum, and speak to them directly. Most candidates have created a facebook group or website which outlines their platform, these are generally available to anyone who has a facebook account or internet connection so find these links by checking out candidate's posters in the hallways or search their name on facebook. Also, come out the Candidates forum in the CPH foyer at 11:30 A.M. on November 19. Each candidate will be speaking about their platform and will be answering questions. Take

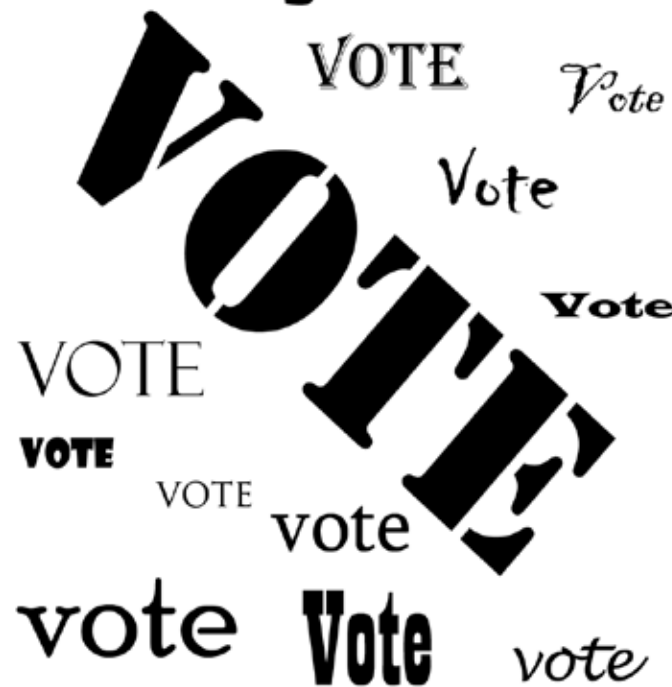
this as your opportunity to be able to ask questions to each candidate in a public setting. Lastly, get out and speak to each candidate, they are al-

ways wandering the halls of the engineering buildings. Don't know what each candidate looks like? Check out the trophy cases right beside the orifice which contains photographs of all candidates.

In summation, EngSoc is about representing you and all engineering undergraduate students. Check out each candidate's platforms and vote based on who you believe will do a great job representing you, the society, and the University. You have the

resources around you to make an informed decision, but only you can get to the information you need.

**On November 21-24
cast your vote online
for the Engsoc Elections**



**Watch your Inboxes for an
Email with a link to your personal
Voting Page**

The Brew Man Group: National Capital Edition



DAN ARMSTRONG
3N MECHANICAL
NEIL PARTRIDGE
3N CHEMICAL

After the last issue, I'm sure all of you Brew Man Group readers are looking for discount flights to Japan to try the beers Neil attempted to describe. Well you can stop checking Expedia on a daily basis and instead catch the next Greyhound heading east 'cause today we'll be visiting the ultra-exotic destination of Ottawa, Ontario, my hometown and current residence for the co-op term. Ottawa may be our nation's political capital, but it is sadly far from being its beer capital. The awesome-beer-per-capita numbers don't even compare to greater Montreal or Toronto regions, though we do have a few things to offer, so let's check it out. Regretfully (thankfully) Neil will not be accompanying us on this journey, meaning no falsetto-filled power metal or Aqua Velva stinking up the car.

Our first stop is at Heritage/Scotch Irish Brewing. Heritage began in Ottawa in 2001 and makes only lagers, quite rare for a craft brewery. Scotch Irish, responsible for the ale side, is the brand name formerly associated with renowned Ontario brewer Perry Mason. Although his beers were well respected, he apparently had some tough times and was forced to sell the business. Heritage, who had already worked with Perry in the early 2000's, purchased the name and recipes in 2006 and continue to brew the Scotch Irish beers today. I learned on my visit that recent activity for the brewery included working with local restaurants and hotels to pair beers with menu items and suggesting ways to incorporate beer into recipes (see Scotch Irish website for instructions on making beer pancakes!). They've also taken to doing the whole 'buy local' thing, purchasing their malt

and hops from a farmer a few hours away in Prince Edward County, Ontario. Personally, I wouldn't say any of Heritage's beers are outstanding, though both the Premium and Dark lagers are solid, and their seasonals are all quite interesting (watch for the upcoming Blackcurrant Rye Lager, followed by a passion fruit lager for Valentine's). My favourites from this brewery are on the Scotch Irish side, one being the complex Corporal's Bitter Brown, which I'm told has a ridiculous 92 IBUs. (International Bittering Units... yes, that's a real thing.) Another favorite is the roasty/chocolate John By Imperial Stout, a winter seasonal that will be available starting early December. Check out the LCBO for the old school stubby bottles.

Now we're off to Beau's in Vankleek Hill, a miniscule town about an hour east of Ottawa. Beau's is relatively new (started in 2006), but a huge amount of promotion over the past few years has gotten them a fair amount of recognition, despite their stubborn tendency to only transport their beer as far as Kingston (though I learned on my visit that they will soon be infiltrating LCBOs as far as Guelph). Beau's flagship beer is the Lutgtread Lagered Ale, a simple, albeit delicious golden brew. Beau's also releases seasonals at a few points throughout the year. My favourite so far is the cleverly named "I.P.Eh?", but their Oktoberfest beer is great too. To note as well, their Altbier just won a competition in France! Beau's also hosts events such as a recent

Oktoberfest bash that featured Norm from Cheers(!). And just for the Enviros, the brewery was recently certified 'organic', a process that apparently required 2.5lbs of paper work. Overall, Beau's beers are tasty and include some less common styles, though I think trying to remain accessible to amateur drinkers like Neil is keeping them from putting out anything too strong. Many LCBOs in the Ottawa area carry Lutgtread (in wicked-cool ceramic bottles), but the seasonals are mostly only available at the brewery and, unlike myself, many people will not drive an hour out of town to pick up a few beers.

If you're hoping to grab a beer somewhere a bit more central, Ottawa also offers two brewpubs. First let's head to the Clocktower, which has three locations to serve thirsty Ottawa folk (Ottawans?). As I learned on my first return visit in two years, the Clocktower has been brewing and serving beer since they opened in 1996. They have six of their own beers on tap year-round, including one seasonal (at the moment it's a pumpkin ale). All of the brews were at least tolerable, ascending as high as "decent". The English style bitter, which had a nice caramel malt and earthy hop taste, was by far the best. Overall, it's the comfortable atmosphere, good service, and mere novelty of brewing on location (not the quality of beer) that will get people into this pub, making it analogous to a certain Hotel in



Uptown Waterloo.

Our last stop takes us north into the promised land of Canadian beer (Quebec), specifically to the Brasseurs du Temps brewpub in Gatineau, just across the bridge from downtown Ottawa. Before opening, the brewmaster was formally trained in Belgium, suggesting they're taking this pretty seriously. In short, I think it worked. Every beer I tried here was at least good, some venturing towards dangerously delicious. Personal highlights were the fruity and floral tripel, the hoppy but balanced IPA, and the cloudy refreshing hefeweizen. Plus, one of the new selections, "Pommée", was the best apple beer I've had to date. It is a bit of a trek into French territory, but it's very worth it. With eleven brews in their regular line-up, new selections and seasonals to try, and a solid food menu (including some stellar fries), I guarantee you will leave this place highly satisfied and at least mildly intoxicated. At the risk of endangering my engineering manliness, I also feel compelled to mention that the interior designer of this place freaking killed it; the open kitchen, visible brewing area, and classy yet comfy bar area make for a great atmosphere. I'd invite Neil to come check it out, but he tends to speak French with a Japanese accent, so he might have some trouble ordering. Plus I'm sure he'd rather stay home drinking sake and reading manga anyway. What's the Japanese word for 'tool'?

I don't expect you to travel all the way to Ottawa for beer, but I do hope that you keep the aforementioned brewers in mind next time you're wandering through. I should also reinforce that no matter where you are for school or co-op, there are likely some breweries or brewpubs nearby that could use your business. Remember, 'Think global, drink local' (to a point... I am by no means suggesting you start chugging down six-packs of Red Baron Lime).

Props to hops // Dan

Future of Gaming: Times of Change



JON MARTIN
OBI JON1138

As an Xbox 360 owner and the sibling of a Wii owner, any perceived bias towards or against specific consoles is due to my lack of disposable income. If I could I would also buy a PS3, but as a student, that is not possible. Please forgive any disproportionate coverage; I do my best to cover issues that affect all consoles, without focusing on or neglecting individual systems.

In the last two weeks there have been a few new rumours on the videogame front, focusing on firmware and hardware upgrades. On the Sony side first, over the short time writing this article the integration of Facebook has gone from a rumour based on leaked images of the next PS3 firmware upgrade, to confirmation of the addition. I hope Sony does better than Microsoft at bringing Facebook to the videogame world, and keeps the main parts of Facebook intact. Microsoft's attempt at integrating Facebook feels like it is missing something - mainly the Wall. Posting on people's wall's and commenting on photos is one of the main focuses of Facebook, as well as joining the billions of pointless clubs - my personal favourites include "I would go out of my way to step on that crunchy looking leaf" and the Sarcasm Society. Hopefully things will change once the update is officially released (which should be soon after this issue is released) but the pre-release version I have access to is lacking all these things. All you can do is view friend's info and photos - which gets boring after a while when you have to go onto a computer to comment on those photos. Anyway, hopefully Sony is

able to build Facebook into its system more effectively - which should be easier since they already have a web browser.

Earlier I mentioned hardware upgrades; well it seems a release date has been leaked for the Xbox 360 Project Natal. It seems representatives from Microsoft have been showing off the new technology to retailers in Europe, as well as detailing the release plans. Planning on a release date in November of 2010 Microsoft is gearing up now to meet future demand and avoid possible sales due to lack of stock. Microsoft is expecting to have five million units ready for launch day, available in a new console bundle or as a standalone addition to existing Xbox 360 units. Now for the part everyone has been waiting for - or looked ahead for the dollar sign without reading the rest - price. The unit is will supposedly retail for approximately ninety dollars (see now you can't skim for a dollar sign), which almost sounds to good too be true to me. Considering that the Xbox Live Vision camera retails for \$50 while the PS3 Eye costs \$40, this price seems pretty good for the technological improvements. Another big consideration for a product launch is the number and quality of launch titles, and here Natal looks to blow the competition out of the water. According to the leaked reports from Microsoft an amazing fifty games will be available at launch. Whether these games will be pure Natal games or if Microsoft is counting major games with Natal integration remains to be seen - but however it turns out this will sure beat out the ten to twenty games available when a new console launches.

Not much has happened on the Nintendo front, they are still spitting out the same system - only now you can get the system and accessories in black as well. I don't want to put down the Nintendo Wii, I really like

the system, but they need to make it a more viable product before the fad runs out. With both Microsoft and Sony developing motion sensing peripherals for their systems Nintendo is soon going to lose the monopoly on the motion control crowd. Developers around the world have expressed disappointment with the processing and graphical powers of the Wii, and it will only become more pronounced in the coming years. HD TVs and Blu-ray players are all dropping significantly in price, rapidly moving consumers into an entirely HD world - while the Wii remains limited to 480p standard definition. Whether Nintendo develops a new version of the Wii, with a hard drive for storage and high definition graphics, or if they attempt to release a whole new system and start the "Next Generation" sooner than expected, Nintendo has to do something. They were forced to cut the price of the Wii following significant drops in sales this year, but a price cut can only go so far. Once your technology is outdated, people won't buy the system no matter what the price. Actually the last part isn't entirely true, I just bought an original Xbox for \$8 just to take it apart and make a new case. But I'm sure Microsoft

isn't going to be getting a cheque from EB Games for any of the used systems they sell - new or old.

So that is the gaming news and my philosophical rant for this issue, enjoy the rest of the term, don't drown under homework or projects - find a place on campus where you can hide from the other people in your group projects, it makes life a whole lot easier - and of course, keep on gaming.

**MORE THAN JUST
COFFEE & DONUTS**

.....

The EngSoc C&D has more than just Coffee and Donuts. Stop by for a variety of freshly prepared sandwiches, baked goods, soups, and more! It is run by students for students, so the prices can't be beat!

There are a variety of specialty coffees available - including fair trade. Bring your own mug to help the environment too!




HOURS OF OPERATION
MONDAY-THURSDAY 7:30AM - 7:00 PM
FRIDAY 7:30 AM - 5:00 PM

The Iron Crossword

ANJALI GOPAL
1A NANOTECHNOLOGY

Across

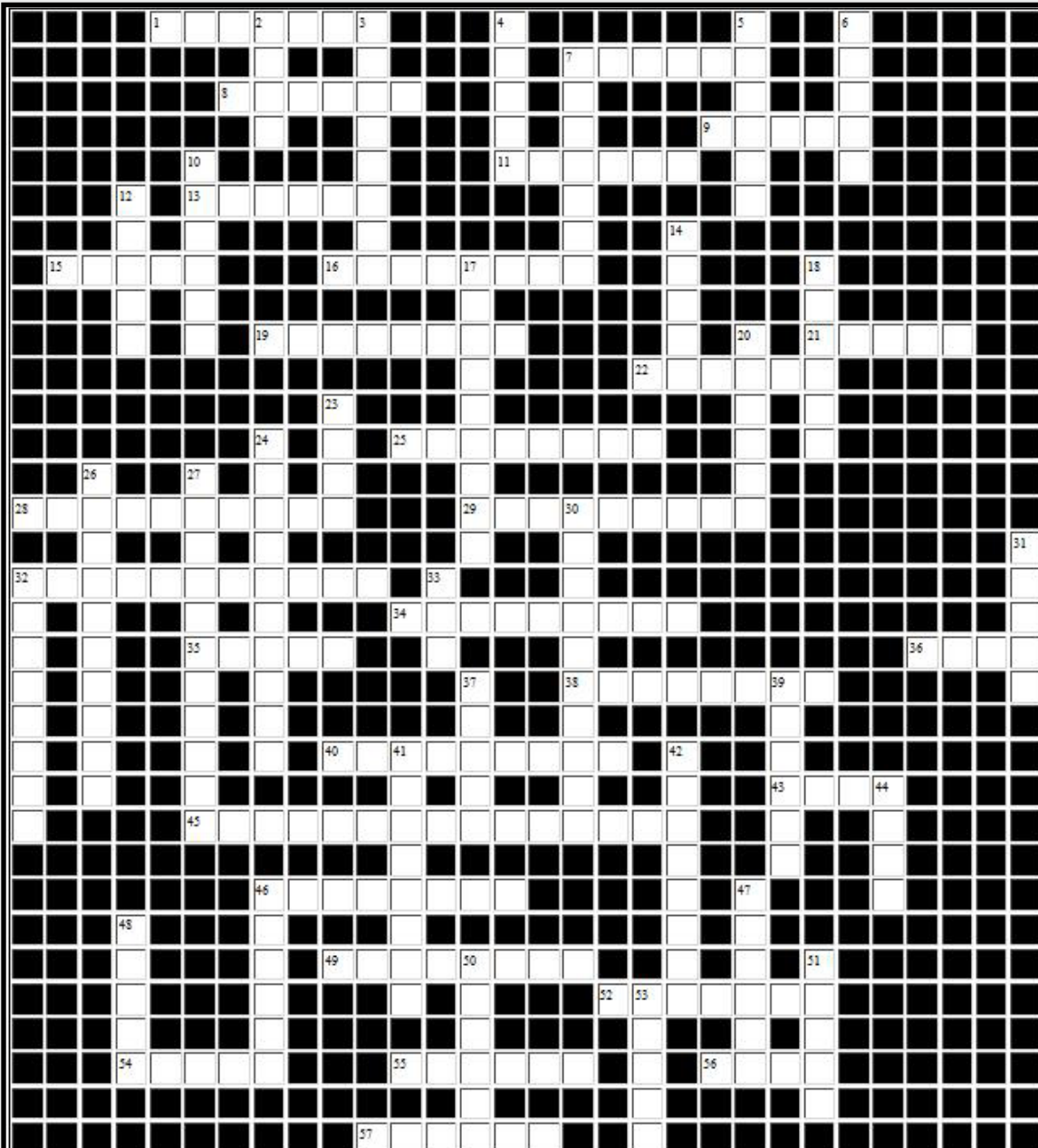
1. 20,000 _____ under the sea
7. Siddhartha
8. A branch of the Indo-European language family
9. Girlfriend of Chuck Bass
11. Won Nobel Peace Prize for work on climate change
13. The Play on which "The Lion King" was based
15. Cartoons characterized by big eyes
16. "Godiva was a lady who through _____ did ride"
19. End of the world
21. American president who shares nickname with toy
22. Remembering the future
25. Synonym for hair tie
28. Treaty which Germany signed at the end of WWI
29. Governor General of Canada
32. Vegetarian who eats fish
34. Winter 2010
35. Jacob and Wilhelm
36. Greek version of Cupid
38. Synonym of 'excess'
40. 0,1,1,2,3,5,8,13,21 ...
43. Angel's crown
45. Spun straw into gold
46. *Drosophila melanogaster*
49. Range of colours
52. First African American Barbie Doll
54. Used to produce opium
55. The actual name for a clicker
56. Teri Hatcher's Superman
57. "Elementary, my dear _____!"

Down

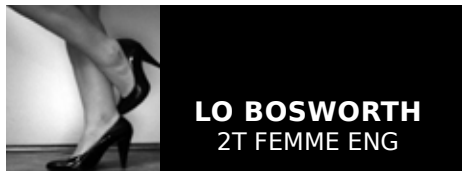
2. Carnie who performs morbid acts
3. Footwear that means 'knife'
4. The pretty Suarez
5. Provides protection from vampires
6. The Scales
7. Elizabeth's brother-in-law
10. A cold's gift
12. Made with the life source of fruits

14. An _____ a day keeps the doctor away
17. 50,000 words in 30 days
18. Past, present, and _____
20. Carved her name into his leather seat
23. Flower that conveys compliments
24. The rarest hardhat
26. Made by Timex
27. Last two words of stupid game

39. Regina George
41. Synonym for 'obsessed with'
42. Famous portrait with no eyebrows
44. Greece's most popular drink
46. Hagrid's pet dog
47. Common residence game
48. Something every student lacks
50. Doubting _____
51. Denim
53. Something that you find in a pencil case and next to a queen



The Estrogen Perspective: The Fine Art of the Extreme Overload



LO BOSWORTH
2T FEMME ENG

Hey lovely readers,

It's official, although winter technically still hasn't arrived yet, it has reached that point in the year where it's deceptively sunny and wonderful out, but every time you step outside, you're greeted with a slap in the face in the form of feels-like-sub-zero temperatures. My bitterness aside, it's also November, which means that there are now more EngSoc events than your body has room for!

Anyone who's been here for more than a week can already tell that each and every one of us take on a lot by simply studying here. This ain't your grandfather's engineering, each and every one of us could not do any extra curricular things and still be outrageously busy with our school work alone. But then you start out by going to one event, then two, then five, then you try a directorship, or two, or exec, maybe a student team? If you really look at it, we're all really a little crazy for everything we do, but combined with a whole lot of awesome, so it's okay. This term though, in the calm before the storm that is November, things tend to get a little extra crazy. Everyone's essentially done midterms, and finals are still a thing of the future, so why not try to make as much happen as humanly possible?

Don't worry, this isn't about to turn into a pro-everything EngSoc love fest, I just figured I'd take a moment to point out the obvious- everyone is stressed out of their minds lately! If you happen to be an engineering undergrad student

and therefore fall into this category, let me offer the following words of encouragement and questionable advice; just breathe, you'll get through it. Being a pessimist at heart, I myself have never been a fan of cheerleader types who slap a smile on their face and say it will all be okay. Don't get me wrong, if this is your style of coping with stress, go for it. In the meantime, those of us who lost their optimistic outlook sometime around midterms can take a different look on everything. Although the work seems to just keep piling up no matter what we do, the end of the term is just around the corner, we're almost there! And although it seems like a bit of an event overload right now, nothing feels better than working all afternoon to finish that massive lab, but then getting to go out with your friends.

We've all developed a general reputation for ourselves for being pretty ridiculous individuals who take on a lot. Since it's pretty clear that the majority of us aren't going to be slowing down any time soon, I say we add staying calm to the list of things we do so well. Remember back in frosh week- "work hard, play hard"? Although humorous at the time, it's actually not a bad idea. We all just need to take a moment and realize it's okay to not perpetually worry. After all, it would be nice to not walk past so many stressed faces every day, it doesn't look good on anyone, myself included.

If worse comes to worst, start a holiday countdown. Regardless of what holiday in particular you may celebrate, once finals (*shudder*) are over, we all have a break that usually involves some sort of celebration. Before you know it, that countdown will reach zero (it will eventually, even when it seems like it won't, trust me on this one) and then we can finally kick back

and actually relax. My favorite advice I've gotten to date; for a mini-Christmas fix, go and walk around a mall for a few minutes (either Conestoga or Fairview will satisfy this), they're all dolled up for the holidays and will for sure

cheer up even the biggest Grinches. Now if you'll excuse me, I have to go back to hiding out in the Lever Lab and avoiding any and all inspiration for an interesting article.

Stay fabulous, Lo Bosworth

The Iron Sudoku: Alpha-Numeric Style

MATT CASSWELL
2T CIVIL

				5	7					6			D	
D	I			B		4		6	5		C		2	
2			9	8	E			3	B	1		F		
6		4			A	1		8	7				3	
		3	6				F	G				7	D	
	D			7			5							
			1	G	C		4	F					3	
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3	C								G	5	4		2	
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	6	2		3		D	E	4	A		9		1	C
	5			2			3				G	A	4	9
C		6		E	F			5		3				
	A			4				9			1		C	E
		F	D	6	9	B		A						G

Use the numbers 1-9 and letters A-G in every row, column, and 4x4 square