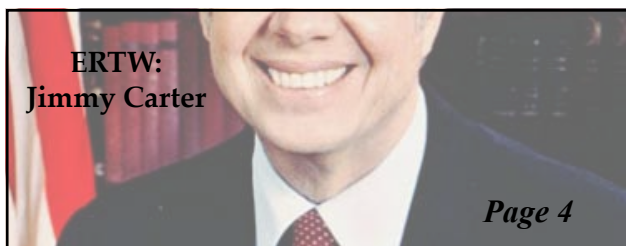


Note: This document is hosted here for archival purposes only. It does not necessarily represent the values of the Iron Warrior or Waterloo Engineering Society in the present day.



ERTW:
Jimmy Carter

Page 4



UW CASA's First Fashion Show a Success

Page 9



The Future of Gaming: Release and Rumours

Page 12

<http://iwarrrior.uwaterloo.ca>

ECE Curriculum Getting a Facelift

ANGELO ALAIMO
2A ELECTRICAL

For the last 10 years a new curriculum has been in the works for ECE undergraduates. The proposed changes were stalled twice before resurrection in 2006 and now substantial changes to the curriculum are coming this September for new Electrical and Computer Engineering students scheduled to graduate in the year 2014. To any current ECE students, many familiar courses will cease to exist under current course numbers. In fact, for the entire curriculum, only 11 core courses will retain their original name; however, the scope of said courses may change as some other courses will have been removed and blended into existing offerings. Most of the course changes involved shifting offerings into different terms. Many courses that do not require calculus have been shifted up at least one term while some courses (like MATH 115) will be pushed back into later terms.

Currently, Electrical and Computer engineering students share the same time table for core courses in 1A and 2A. Come Winter 2010, Electrical and Computer students will also share the same 1B timetable as well, which means the first three terms of both programs will be identical. People who want to switch either from Computer to Electrical or vice versa have the option (with permission from the department) without fear of having to catch up on other courses taken by

opposite classes.

Apart from making this article drone on by itemizing the specific courses in each term, we will mention some changes to a few very well known courses within ECE. The most well known course in first year – ECE 100 – will no longer exist as the double weighted, two midterm headache. Instead, the course is being split into two separate courses to be taken in 1A and 1B. The first course – ECE 140 will cover the circuits portion of the course and will be taken in 1A while the physics part of the course will be covered in the 1B course – ECE 106.

A course change affecting all of the academic terms involves the course known as “Class Professor Hour.” In September 2009, the course will have a new name called “Electrical and Computer Engineering Practice” which will be offered for every term from 1A. Unlike the current, un-graded “Class Professor Hour”, the new course will have a grade weight where attendance will be part of the final mark. If a student does not pass an “Electrical and Computer Engineering Practice” course in a term - he or she will have to clear the failure before taking any subsequent “Electrical and Computer Engineering Practice” course

Another major change will be the removal of the numerical methods course ECE 104/204.

See **CURRICULUM CHANGES** on Page 5



Angelo Alaimo

Many ECE courses such as ECE 100, which is familiar to many, will no longer exist in their current form.

Campus Celebrates Cultural Diversity

SUNNY NG
4B COMPUTER

Cultural Caravan, the annual multicultural showcase organized by the Federation of Students, was held last Thursday as nearly 500 students packed into the Student Life Centre for a night of celebration.

While the show was put together by Feds, cultural clubs under the Federation of Students Clubs umbrella took part by organizing their own performances on stage, and a number of clubs setup vendor booths around the Great Hall to promote their culture and sell snacks. With the vast diversity of student population at the University of Waterloo, the show was guar-

anteed to be an eye-opener, and it sure did not disappoint.

At this year's event, 13 groups signed on for performances and 5 clubs had booths available. The cultures that were represented by the vending booths were Indian, Serbian, Afghan, Polish and various Aboriginal nations. Each of these booths sold various food items like sweets, desserts and various ethnic snacks, as well as displaying information and reading material regarding their cultures and traditions. The reduction of the number of booths was due to logistical reasons as this would allow more standing around. As well, many clubs undersold food items last year.

While many cultures were represented, a notably underrepresented demographic at this show were the East Asian cultures, as none of those respective clubs decided to sign on to the event.

The booth from the Serbian Student Association used this opportunity to speak out against the independence of Kosovo by distributing pamphlets regarding this current event. Bojana Savic, President of the association explains that the Cultural Caravan provides a way to reach out to students to inform them their point of view on the issue which is often clouded

by media bias. Savic gave an example about the reporting of the Kosovo issue that the media often fails to mention the religious, cultural and historical significance of the region to the Serbs. Other members of the group mentioned that by having a presence at the event it shows that they are not ashamed of their opinions and that it is a way for them to fight against stereotypes.

Meanwhile on stage, the Waterloo Tamil Student Association kicked off the show with a high-energy dance performance. A variety of performances were found throughout the night with some groups showcasing traditional dances, while some chose to perform dances with contemporary influences. As well, some groups focused mainly on singing and playing music instead with both traditional and modern instruments.

Two clubs made their first appearance at the culture show this year: Aboriginal Students Association and UW BASE. The Aboriginal Students Association had setup a booth at the showcase last year, but made its debut performance this time around.

See **CULTURAL BASH** on Page 5



Jim Wallace

A variety of performances were put on by different cultural clubs at this year's Cultural Caravan, held in the SLC by Feds.

Letter from the Editor



KEVIN LING
EDITOR-IN-CHIEF

Is it just me or has this term been moving quicker than ever? We are already well into the third month of term, and are almost ready to move onto work term. The fourth years just had their Grad Ball and I'm sure they're all psyched for their IRS coming up, before many of them are done with Waterloo and can move on to bigger and better things. As well, the winter of our discontent is finally over.

I don't actually know what that means; English literature is not my forte. So I guess that last sentence is more accurate as "winter is finally over, and I am content". There is nothing in winter that appeals to me. In fact, I would say that winter is possibly the worst part about living in Canada. Four months of cold, snow, salty roads, disgusting slush, and poor driving conditions... no thanks. I guess I should be glad (at least) that this winter has already been mild compared to the last one (I think). Although it may just seem milder since I didn't spend the winter in Brampton, like I did last winter while on work term. The municipality of Brampton is terrible when it comes to cleaning snow off sidewalks. I learned that the hard way, when walking was my main mode of transportation. It's also quite unfortunate that being in school doesn't make it very easy to be a snow bird, since I have too many commitments here to head south for a third of the year. Had I the time and money, I would be gone as soon as winter comes around. Of course I would want to come back for the warm part of the year, though. Canada is much nicer than the States.

It's a real shame that some of the strangest and most frustrating news stories come out of the south where it's nice and warm. Just last week it made headlines that a Florida woman called the police when the McDonalds restaurant she was at ran out of chicken nuggets and could not give her the meal that she ordered (they offered her a burger instead). Whenever I hear about a news story like this one, it depresses me a little. I hate the idea that this is the state that North American society has reached. Stories like this and the tale of Octo-Mom just bewilder me and make me the greatest cynic. While I agree that it is criminal to suggest that a Big Mac Attack can satisfy a McNugget craving, it is just ridiculous to call the cops over it. In fact, if you listen to the 911 call recording which is all over the web, the lady complains to the EMS operator as if she were talking to a customer service rep. I am glad that dispatch decided to send a patrol unit over to McDonald's to fine the lady for misuse of an emergency service. Personally I think there should be an extra fine for lacking basic common sense. Or jail time. That would be nice too.

At the same time, though, this whole issue could have been avoided if the staff at that McDonald's had the proper courtesy to just refund the lady's money when they realized that they could not

deliver what she had paid for. Courtesy seems to be something that is really lacking these days.

Perhaps the drop in general politeness stems from the fact that we are moving into a digital era where people need to interact with others less and less. Hopefully this theory isn't too Dr. Phil, but with less social interaction people don't really have a need to be polite anymore. On the internet, everyone is anonymous and people don't feel accountable for their actions as often. I used to be an avid gamer, but I started playing online games less and less when games were being ruined by rude people more and more often. Maybe this inconsiderateness for others is crossing over to interactions in the real world, leaving a society of selfish and uncaring individuals. I wish that people would at least still be polite and have proper manners when dealing with others in public, strangers especially. It isn't even all that difficult. Holding the door for others walking right behind you is an easy start. Some of you may think that is a pretty obvious thing to do, but it doesn't seem to happen very often on our campus.

I also noticed that in this week's "Thumbs Up/Thumbs Down" segment, there was a complaint about lab etiquette. I can see where the reader that sent in the thumbs down is coming from, but personally I find the talking during lectures much more annoying. Trying to isolate the instructor's voice over the murmur of people socializing around the class room is probably the most irritating thing, especially in the MC 1085 class room which is already a terrible room for lectures.

On an unrelated note, the daylight saving time change caught me completely off guard this year. I normally don't know when the clock springs forward or falls back until I hear it on the radio, or someone mentions it in a casual conversation. None of that happened this time around though. I woke up this morning and saw that the time on my analog clock was off from the time on my cell phone. Being the completely oblivious person I am, my first conclusion was that my analog clock was broken.

It was only several hours later when I was waiting to meet with someone that I found out that I had missed the fact that we lost an hour this week. Turns out my friend also forgot about it, and ended up about an hour late. Daylight saving time is probably a good idea, seeing as it cuts down on the energy usage since it shifts our schedule so it is light outside in the usual working hours of the day instead of the mornings, but this has the backfiring effect of making me never want to wake up in those dreadfully dark winter mornings. Cold and dark mornings (or rainy and dark mornings) are the kind where I just want to toss over and go back to sleep and forget about all my obligations of the day. The only problem is that if I had done that this last weekend, you would probably not be reading this issue right now.

I can't say that I'm the biggest comic book fan out there, or even really a fan at all. But movies based on comics have come a long way. Last year, the

Dark Knight became the second highest grossing box office film ever (after Titanic). It used to feel like film studios just pumped out comic book themed movies to make a quick buck off of the diehard fans, but now movies based on comics actually have some good somewhat artistic content to them. To give you an example of some of the trash movies I am talking about, think about *Catwoman* or *Elektra*. But this is really just some preamble for me to chime in with what everyone else has probably already told you. *Watchmen* is a pretty good movie.

It's nice that midterms are finally over with. I actually have time to do other things again. My first order of business was to go see *Watchmen* on opening night, and I thoroughly enjoyed it. After I left the theatre, I still had some questions about the movie, such as how the *Watchmen* assembled and all of their origins. But I guess this is a different genre of graphic novel. One of my friends who is a huge *Watchmen* fan (and has been waiting for this movie to come out since he first read the comic years ago) filled me in on the details. While most comics seem to focus on the origins of characters, apparently the *Watchmen* series just drops this scenario where everything is just kind of taken for granted. I guess the awesome visuals make up for the fact that a lot of things in the story just aren't really practical.

In a strange twist of events, *Imprint* is causing more of a stir than any other publication on campus these days. I used to think that *Imprint* was supposed to be the serious and respectable newspaper on campus, but the latest edition of *mathNEWS* has cleared that up for me. I found it quite surprising that in a recent issue (27 February 2009) of *Imprint*, they replied to what I feel is a legitimate complaint with diversionary tactics and a challenge to "bring it".

The "Ask Shaniqua" column has been on our radar over here at *The Iron Warrior* for some time. It seems like *Imprint* is trying to push the limit to see how far they can take it. It is quite odd that the task has fallen to *mathNEWS* to tell them that they have gone too far. However it doesn't really seem to matter anyway. The only thing that *Imprint* would have done would be to publish the same old 'correction' or 'apology' that they seem to throw out there every other issue when they forget to watch what they say and offend someone.

In any case, this week we have the return of the point counter point with a guest writer from the University of Toronto. The Editor-In-Chief of *The Cannon*, Alanna Yontef, has joined us in a debate over our differing cooperative education systems.

I am really excited that this term is beginning to draw to a close because this summer should be a pretty chill one. It's been a great term so far, and I am sure the end of this term will also be great. I hope you guys enjoy this issue, and then there will be one more before I pass the torch of responsibility to the next Editor-In-Chief.

THE IRON WARRIOR

The Newspaper of the University of Waterloo Engineering Society

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The Iron Warrior is a forum for thought-provoking and informative articles published by the Engineering Society. Views expressed in The Iron Warrior are those of the authors and do not necessarily reflect the opinions of the Engineering Society.

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

All submissions, unless otherwise stated, become the property of The Iron Warrior, which reserves the right to refuse publication of material which it deems unsuitable. The Iron Warrior also reserves the right to edit grammar, spelling and text that do not meet university standards. Authors will be notified of any major changes that may be required.

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Next Submission Deadline

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Send your submissions to iwarrior@engmail.uwaterloo.ca

Meetings every Tuesday, 5:00pm in E2 2349A

COMMUNITY EDITORIAL

Thumbs Up/Thumbs Down



To NO one else except for me wearing shorts on Friday. Seriously guys, I can't wait to tan my pasty legs.



To *mathNEWS* for having an awesome cover that made me LOL in class.



To the weather on Friday March 6 for allowing shorts!



To the Tim Hortons on campus that don't take Tim Cards.



To whoever decided on the lighting for the Cultural Caravan. Not only did it not even work for the longest time, but who in hell only has coloured lights? Seriously, I had a hardest time trying to take pictures of the event!



To the thawing of the permafrost covering the lovely fields of this university.



To the inevitability of said thawing causing massive mud formations.



To the person who broke into our house and took a dump on our stairs... Who does that?



To the people who use the computer labs for socializing and not for work. I'm sick of hearing your conversations about how "trashed" you got on the weekend while studying for my midterms. GTFO and go to DC!



To mathies who can't hold their alcohol and puke on my carpet.



To Pubcrawl this Friday!



To the Late Night Loop. You get me home safe and cheaply when I'm not of sound mind!



To being a frosh leader! It's like reliving Frosh Week all over again, including meeting so many new and cool people. Applications for BIGS are still open!



To the truncated Frosh Week of 2010 and the years after. Thanks for tearing away at the last remaining bits of fun and tradition that our faculty had!



Thumbs up to everyone who helped out with Shadow Day! It's awesome seeing people take the time to promote their school. A possible sign that people still have school spirit?



To the decision to increase enrolment in order to fight the "pain" of the economic crunch. Just what we need, more kids shoved into lecture halls.

Send in your Thumbs Up/Thumbs Down to iwarrior@engmail.uwaterloo.ca

Iron Ring Stag 2009 Update

ROSS RICUPERO
4B CIVIL

The Iron Ring is a very important symbol for engineering students and professional engineers across Canada. If an engineering student, in their final year of study, chooses to participate in "The Ritual of the Calling of an Engineer", they can take their obligation and be awarded the Iron Ring, which is worn on the pinky finger of the working hand. This is a practice that was started and is most common in Canada, and here at Waterloo Engineering, it's commonly known as IRC, or Iron Ring Ceremony.

However, there is another event that, for non-fourth years, usually overshadows the IRC, and that is the IRS, or Iron Ring Stag. There are usually two parts to the Iron Ring Stag, pre-IRC and post-IRC. The pre-IRC part of the stag is usually defined by classes having breakfast parties, dressing up in costumes, and visiting with old professors and other people that have been important to them in their 5 (or more) years at Waterloo. Then they gather to watch the final seconds tick by on the IRS clock (which is in POETS). Afterward, they head home to get dressed, and attend their ceremony.

The post-IRC part of IRS is a large party for all graduating engineering students somewhere in town that goes late into the night. This occurs a few hours after the last ceremony ends, and can draw hundreds of guests (the smallest ever was 400 students). This party is the first chance for the near-graduate engineering students to celebrate with one

another and their fresh new Iron Rings.

However, 2009 will be different. For reasons that are too controversial and varied to go into here (if you'd like to rant about it, stop me in the hall, we'll have a good talk), the Dean's Office and scheduling problems has forced our traditional early February IRC/IRS to be moved to Saturday March 28th. This poses several issues, such as will students come onto campus? Will there be class parties? When will the post-IRC party be? When does the IRS clock countdown to?

But fear not fellow fourth years. There is a plan! A sexy plan ...

Here's the good word:

Tuesday March 17th is St. Patrick's Day, and it begins the final 12 days before IRS! We encourage everyone to celebrate this milestone in proper St. Patrick's Day fashion. Keep in mind POETS will NOT be serving that day.

Every day after that, try to observe the next of the "12 Days of IRS" however you see fit. We (the IRS committee) and GradComm will be planning some events during this time. Keep an eye out for more information starting this week and next week.

Friday March 27th will be the pre-IRC part of IRS. We encourage classes to hold class breakfasts and parties on this morning. Then, show up with your class to the GradComm Pubcrawl at noon in POETS! It's a costume Pubcrawl, and we challenge every graduating class to try and be the best and most costumed! Pubcrawl schedules for the 27th should start appearing a few days before.

Saturday March 28th is IRC. Don't miss your ceremony (you should have received an email with the topic "[Eng_fourth_year] Iron Ring Ceremony Invitation 2009" from Sue Oestreich on Feb. 29. This explains all the details of the ceremony and getting your ring). See your family and friends, get a good dinner, then come out to the post-IRC part of IRS! This is the big engineering graduate party, and this year it will be held

at Fed Hall, here on campus. Tickets are now available in the Orifice. You don't want to miss this!

So IRC/IRS this year will be different, but we hope it'll be better than ever. Plan parties with your friends and classes, celebrate, and have fun. Remember, this is YOUR ring! It represents you, your hard work, your future, and your solemn obligation to the profession of engineering.

Shadows With Minds of their Own



CAILIN HILLIER
2A GEOLOGICAL

On Wednesday, March 4, students from across southern Ontario were given the opportunity to attend Shadow Day. Although many have yet to receive their acceptance letters from the Faculty of Engineering, there was a great deal of excitement among the high school participants about attending the University of Waterloo in the fall.

Upon arriving on campus, all 103 shadows were paired with undergraduate engineering students from their programs of interest. For two hours, the UW hopefuls attended first and second year classes and had the chance to ask a wide range of questions, from moving into residence to applying to co-op jobs, and managing to

fit in a social life somewhere in between. After their one-on-one time with a University of Waterloo student, the shadows were able to attend a presentation by Phil Bezaire regarding admissions and the co-op program. From there, the high school students broke off into separate groups to attend information sessions held by each department within the faculty.

The entire Shadow Day event went wonderfully. When one shadow, Midori Tellez-Langdon, was asked about their shadowing experience, she said "it has made university seem even more exciting!" This event is memorable and has helped a large number of students decide to attend the University of Waterloo within the Faculty of Engineering. Years later, people still remember those that they once shadowed and the younger students that have later on shadowed them. Congratulations to Michelle Cho and Atif Mian for having planned such a successful Shadow Day.

CUTC 2009 to Explore Evolution of Technology

DANIEL HSIA
2T ENVIRONMENTAL

Call it fate or coincidence, but the Canadian Undergraduate Technology Conference is back this year and the timing could not be better. It will be held at the exquisite Hilton Toronto Hotel on March 12th and 13th, and promises to provide an environment where delegates can learn, grow, and discover new opportunities – exactly what is needed in our troubled economic times.

CUTC is not like the typical sequence of speakers and seminars where barriers are drawn between the speaker and audience. Celebrating its 10th anniversary, the conference is reminded of its legacy of exposing delegates—ambitious and talented students from all over Canada—to cutting-edge technologies and experienced leaders from industry as well as academia; it strives to break down barriers and encourages collaboration between all participants of the event.

As a delegate at last year's conference, I recall many fond memories. An early morning registration, decadent breakfast, and a table seated with school-mates—who somehow found one another—started off the day on a pleasant note. This was a time to meet other delegates, introduce oneself, and savour the surroundings. The energy

of the room was evident and the notion of meeting new individuals had everyone in the mood to impress. A hush fell over the main conference room as our first keynote speaker, Dave Caputo, the CEO of Sandvine—a network management company—began to unravel a tale about an ending that became the beginning of something so much more. Pens were scribbling and a few bold individuals sauntered up to microphones to ask questions. I remember commenting on how inspiring the keynote was to a friend, who mentioned that it was something to be expected from CUTC. After all, in the past they've had other excellent speakers including Mike Lazaridis, Co-CEO of RIM—the makers of the Blackberry—and others from AMD, Facebook, Google, as well as from institutions like the University of Toronto.

All of that was just the beginning. Delegates moved on to the seminars that they indicated were of interest to them, where detailed knowledge was presented. It was followed by lunch with a side of fruitful conversations, and everyone was off again on the next scheduled event.

There is just so much that was memorable from CUTC. The TechTeam event is a chance for delegates to compete in design competitions. For my team, we chose to tackle RIM's challenge of de-

signing a hardware or software feature for their Blackberry devices to better target the undergraduate market, with a Blackberry prize for each member of the winning team. It was made all the more fun when another group made it clear that they were keen on winning and were ready to embarrass us, and thus a rivalry appeared. We didn't win, but at least we got an honourable mention which was much more than what can be said for our rival team. I could go on, but for many of my memories words simply aren't enough to convey the experience in its entirety.

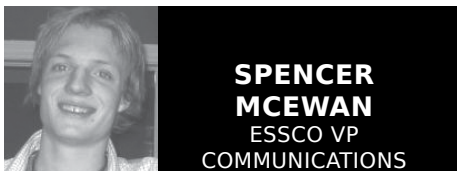
This year's delegates can look forward to exploring the evolution of technology: Where did it all start? How did we get to where we are today? What can we expect in the near future and beyond? It is a topic that is of utmost importance and highly applicable in our world. The encompassing nature of technology, its ability to spark innovation across all industries and markets, make it a prudent topic in a time where opportunities are in short supply. CUTC 2009 will also have many events such as: TechTeam design competitions to challenge, inspire, and foster innovation where valuable prizes are awarded to the winning teams; TechShow demonstrations and presentations of cutting-edge technology offering plenty of opportunities for guests and delegates to interact and exchange

ideas; TechExpo blends a technology showcase and a career fair and gives delegates a chance to inquire about interesting sponsors, submit resumes, and a great opportunity to network with various companies; TechPanel discussions with industry representatives on current issues; Keynote Speakers from inspirational industry leading speakers sharing their experiences and knowledge; Seminar Speakers where delegates get an opportunity to hear from those at the frontier of the business and technology market; and Social Events for delegates to mingle with one another. On top of all that, meals are catered for all conference days, with a closing banquet.

CUTC 2009 promises to be an exciting event. The conference is only \$100, with subsidies for students from many schools. If required, accommodations at the Hilton Toronto Hotel are available as well.

Full of opportunities and potential—just like the delegates it attracts—CUTC 2009 will be one of those events that act as a turning point in the life of certain individuals. If you are ambitious, curious, and ready to grasp this opportunity to define your own future, then you don't want to be missing this conference. We'll see you at CUTC 2009 – “Where the future goes!” For registration and more conference information, please visit: <http://www.cutc.ca>

Engineers Rule the World: Jimmy Carter



SPENCER MCEWAN
ESSCO VP
COMMUNICATIONS

This week in Engineers Rule the World, we will look at a man who held a position of considerable power. James 'Jimmy' Carter served as the 39th President of the United States of America from 1977 to 1981. Some argue that the office of the President of the United States is one of the most powerful positions in the world. Interestingly enough, Jimmy Carter also holds a degree in nuclear engineering. His education no doubt had an impact on the policies that he shaped during his tenure as President.

Jimmy was born on October 24th 1924

in Plains, Georgia. He was a gifted student at an early age, and had a passion for reading. After high school, he eventually applied to the United States Naval Academy, where he was accepted. He spent six years serving on a diesel-electric submarine with the United States Navy, and he studied for the position of engineering officer for a nuclear submarine. He was a part of the group of military personnel that assisted the cleanup efforts after the nuclear meltdown at the Chalk River nuclear reactor in the late 1950s. After his experience at Chalk River, he took a course on nuclear reactor power in the hopes of furthering his naval career. However, due to a death in the family, Jimmy retired from the Navy and took over the family's agricultural business.

Jimmy's political career came from humble beginnings. His involvement with government started by serving on local school boards, hospital committees, and libraries. He successfully ran for the Georgia Senate and served for two terms. Afterwards, he ran for Governor of Georgia twice. He lost the first time, but his enthusiasm and stance on equal rights eventually landed him the position of Governor. He sat on a variety of national subcommittees, and was outspoken on a number of controversial issues. In 1976, Carter submitted a bid for the Presidency. He was elected to the office of the President of the United States in 1977.

Although his approval ratings dipped by the end of his term, President Carter passed key legislation that is still in effect today. His efforts created the United States Department of Energy, which is tasked with conserving the nation's

energy supplies. He also signed acts that encouraged energy conservation and the development of renewable energy projects.

President Carter was an early visionary on the importance of renewable energy, and it would be years before society started to understand that society needed to change its consumption habits to protect the environment. For having a technically-focused mind in a very powerful position, and introducing legislation that has changed how our world develops energy, Jimmy Carter deserves the title of an engineer that rules the world.

This author is a member of the Engineering Student Societies' Council of Ontario (ESSCO). More information on the association can be found at <http://www.essco.ca>.

Pi Week: An Irrational Amount of Fun

MARISSA BALE, EMILY ECKER, SYLVIA WU
PI WEEK DIRECTORS

In case you are one of the few engineers who loathe math (the subject, we all loathe the Faculty) and didn't know that Pi day is celebrated on March 14 of every year, you should join us who celebrate the tradition. Your EngSoc Pi Week Directors have planned a whole week of festivities leading up to the big day. You can find us in POETS and/or CPH foyer every day from March 9 to March 13. Although you won't see this article until Wednesday, here is a list of events for the week so you can beat yourself over what you have missed on Monday, Tuesday and Wednesday, and go to the events on Thursday and Friday:

Monday March 9: Charity Pie Sale in CPH foyer

Tuesday March 10: Pi-reciting contest in CPH foyer*

Wednesday March 11: Pi the movie plays in POETS

Thursday March 12: Pie-eating Contest in

CPH foyer*

Friday March 13: Make your own Pi t-shirt! Bring a light coloured t-shirt to POETS Patio and we'll provide the stencils and spray paint.

Saturday March 14: It's Pi Day! We don't have anything planned, but you may see one, two, or all of us enjoying a piece of pie at William's Coffee Pub at 1:59pm. The gift card you won during the week is an invitation to join our table! In the spirit of Pub Crawl Morning After, did you know that pie is a great hangover food? *Prizes to be won in contests!

We will also be facilitating a Pie-In-The-Face event throughout the week. You can buy someone a whipped cream pie to be thrown in their face at a specified time and specified place for \$5. We will be taking payments and targets everyday at lunch in CPH foyer. You can also email your targets to piweek@gmail.com for additional secrecy.

All proceeds from the Pie Sale and Pie-In-The-Face will be donated to Hope Spring (www.hopespring.ca), a foundation that provides support for local families affected by cancer.

Want 150 P* * 5 Points for your class?

Bring your old midterms & exams to the Orifice!

Blank exam	50 Points
Exam with Partial Solution	100 Points
Exam with Prof Solutions or Excellent Grades	150 Points

CSE exams are welcome!

Chemical, Management, and Mechatronics exams are especially welcome!



A Waterloo Night in Dubai



YOUSIF AL-KHDER
2N MANAGEMENT

Two weeks ago, UW had its first major event in Dubai, UAE. The purpose of this event was to celebrate the launch of the UAE campus with the more than 120 attendants, including potential students and their parents, employers and alumni. It gave them the opportunity to get to know more about UW and allowed potential students, whether to the Waterloo or UAE campus, to ask questions about the application process and whatever else they wanted to know more about. Six UW faculty and staff members were more than happy to answer these questions.

The information session started with guests arriving to the foyer of the presentation hall and mingling with UW faculty and staff, including Dean Adel Sedra, Professor Magdy Salama (UAE campus director), Ibrahim Inyatayali (Director of Development and Alumni Affairs), Rocco Fondacaro (Director, Student and Faculty Relations, CECS), Alison Boyd (Alumni Officer, International), and Virginia McLellan (Assistant Director, International Marketing & Recruitment) and I as a UW co-op student (not worrying about the fact that my PDEng assignment was due that night).

The students and their parents had many questions to ask about campus facilities and services and what the city of Waterloo is like. One remarkable question that was asked to Professor Sedra and I was about the possibility of going to the Canadian campus after just

spending one year at the UAE campus. We were really intrigued about that question, as no one had ever considered that situation before. I also remember taking questions from potential students who are considering Mechanical, Chemical, Architecture and AFM.

The event started with Professor Salama welcoming the guests, and giving his presentation which focused on several aspects of the UAE campus and the programs that will be offered there. He was followed by Dr. Bob Richards (Sr. Director of Dubai Men's College) who delivered one of the key-note speeches and talked about the partnership that the Higher Colleges of Technology is embarking upon with UW. Next was Dean Sedra, who delivered the other key-note speech and who gave a very informative yet humorous presentation.

After a couple of presentations from Virginia and Rocco, it was finally my time. I was a little bit nervous at first, and I only got more nervous due to a technical glitch at the beginning of my presentation. Eventually, after going through a few slides I regained my confidence. My presentation was neither about academics nor co-op; it was about student life at UW. I talked about some of the key buildings on campus, such as the SLC, DP and CPH and what these buildings are mainly used for. I then tried exciting potential students about the activities and events that happen on and off campus, whether held by Feds, EngSoc or Campus Recreation. Again through the plenty of photos that I had (thanks to the IW staff and the EngSoc exec), I discussed EngSoc for a while; how it operates, its executive structure, The TOOL - our beloved mascot, and many of the events and activities that EngSoc holds and participates in.

After that, I introduced the audience to some of our creative design teams and clubs, such as *the Iron Warrior*, *Midnight Sun*, *Engineers Without Borders*, *Women In Engineering*, and, to the surprise of some parents, *With Respect To Time* - the Engineering Jazz band. I also got a few excited looks when I explained what WEEF is, and how it is the largest student-controlled endowment fund in Canada. It was my last 2 slides when I

felt that I finally impressed everyone seated in that room; the 2 slides were about the records and achievements that UW has achieved in just 52 years such as the *Midnight Sun VII's* world record and being the 2007 world's most intelligent community.

After being done with my presentation, I listened to Elena L'pris and to what I thought was the most interesting presentation of the night. Elena is a UW alumna (Civil '06) who currently lives in Dubai and who has worked in some of the most amazing projects in the world, such as the Dubai Tower, the tallest structure in the world! Elena is currently working in the construction of a zero-carbon emission housing community in Abu Dhabi. Elena started her presentation by telling the guests what she does and how she got her job in Dubai Tower, by simply going to the site and asking for a job



Dean Sedra and University of Waterloo student Yousif Al-Khder attend the UAE Campus Open House.

from one of the senior engineers there. Coincidentally, she then picked up from where I had stopped talking about EngSoc; she talked about the Iron Ring, what it means to every Canadian Engineer, and how we're UW Engineers are not allowed to touch The TOOL until they are ringed. Elena exemplifies the excellence of UW engineers.

Lastly, Professor Sedra took questions from potential students and their parents. He then presented me, Elena and Dr. Richards with the book "Out of the Shadow of Orthodoxy - Waterloo @ 50".

In the end, I would like to thank everyone who helped me with my presentation, specifically B-Soc president, Cat Hay. Thank you Cat!

For more information about the UAE campus, go to www.uae.uwaterloo.ca

The Summer Entrepreneurship Program



JOONHA SHIN
2A MANAGEMENT

It's good to know that you always have a choice.

Most often, the illusion of not having a choice is simply due to lack of knowledge of what is available to you. If you are one of the unfortunate souls feeling the effects of economic recession and have not yet been able to find a co-op job, here's some good news for you (and no, this is not a job offer at Microsoft).

It's so simple: Why not start your own busi-

ness?

Just last year, 368 students completed the Ontario Government of Canada's Summer Company Program, and the time has come for another round of young entrepreneurs to get a taste of being their own boss.

Summer Company Program is a low-risk opportunity for students that has the potential to earn you more money than your regular co-op job, especially if you are a first year student. If that doesn't interest you enough, accepted applicants will receive up to \$1,500 at the start of their business, as well as an additional \$1,500 in the fall on successful completion of the program. You will also receive at least 12 hours of business training from the Ministry of Small

Business and Consumer Services program providers. Lastly, you will be assigned a mentor, who you can contact at any time to receive advice on running a business.

The application deadline is May 4, 2009, but unlike your school projects, lab reports and assignments, I would not leave this up to the last day to apply since the deadline can be pushed to earlier dates if the program is oversubscribed. About 300 to 400 students will be accepted in 2009. You will need a business idea and a well-thought plan on how you will achieve your success. Applicants will be put through a competitive selection process, in which their applications will be reviewed by local business mentoring groups.

A recent survey showed that 99 percent of past Summer Company Program participants would recommend this program to other students. Perhaps the other 1 percent of participants experienced some epic failures in their attempts to run a business. Although, I highly doubt that they could say they learned nothing from the experience.

Unfortunately, I will be doing another study term in the summer. I don't have a business plan, but I certainly would come up with one just to try this program out. I've had one too many memorable bosses in previous co-op terms...

For more information, visit: www.ontario.ca/small-business-news

ECE Design Symposium Moving to March

CURRICULUM CHANGES
Continued from Page 1

Instead of having Electrical and Computer engineers take the course separately in different terms, students in the new curriculum will see the content of the course be spread into the relevant parts of the existing math courses.

When students reach Fourth Year, the only major notable change will be in regards to their fourth year design projects. Instead of the current 12 week design cycle, students will be given 21 weeks to complete their project with the design symposium moving from January to March. In 4B, students will need to take 5 electives instead of the current 4.

Apart from the mentioned course changes, ECE students joining the University in September, will also see changes to marking of their Work-term reports. Previously, work-term reports were graded as a course, so if a student failed a report, it would count towards their maximum of two un-cleared failed courses. In the new curriculum, work-term reports are being treated as pass/fail milestones. If a student does not complete a work-term report milestone by a certain date, he or she will not

be allowed to proceed into the term and will be held back a year.

Current 2013 ECE students should take note on the consequences of not passing a term. As one may already realize, failing a term will require a one year wait before repeating which will land a student in the 2014 class, as well as the new curriculum. In speaking with Jim Barby, Interim Associate Chair for Undergraduate Studies, he mentioned every student who is required to be held back a year will be treated on a case-by-case basis to see where they stand in fulfilling the requirements of the new curriculum. On the other hand, for those exceptional students, the new curriculum may allow one to graduate with a Bachelor of Applied Science in Electrical and Computer Engineering.

In summation, a major facelift is coming to ECE this September, with numerous course and program requirement changes. For the first three terms, it will be interesting to see how the first class handles what Professor Barby describes as a, "ramp up," in terms of workload leading into 2A.

Check out the 2009-2010 undergraduate calendar for a term by term breakdown.

Cultural Caravan Well Received

CULTURAL BASH
Continued from Page 1

Their performance featured several performers telling traditional stories from several First Nations in the form of singing. UW BASE, which stands for UW Black Association for Student Expression, on the other hand was formed just this term. Their performance consisted of a dynamic contemporary dance routine showcasing music and dance moves from prominent Black pop culture icons over the past few decades including Tina Turner, Michael Jackson, Salt-N-Pepa and TLC.

Other performance highlights include the performance from the Association of Caribbean Students which incorporated the classic story of "guy tries to get girl" into sequences of high-octane dance-offs. UW Indian Connection presented a spectacular Bhangra dance. Closing the show was a saucy performance by the Latin American Student Association, which incorporated elements of salsa, merengue, and more. The emcee of the night joked that the performance was almost PG-13. Audience members

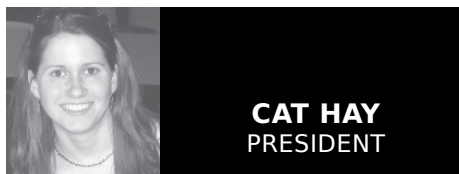
were hanging on to the edges of their seats as dancers were thrown up into the air to the rhythm. The performance was well received and was given a standing ovation in return, ending the show on a high note.

Unfortunately, the show did not exactly go without a hitch. Technical difficulties plagued some of the performances during the show. In particular, the lights went off during the Serbian traditional circle dance, one of the highlights of the show. This was mostly caused by power issues that arose from the venue as the building is starting to show its age. As well, the lights on stage were not lit until an hour well into the show.

Cultural Caravan organizer and Federation of Students staff member, Valerie Orr described the show as a great success. Planning of the evening began in November, but performers signed up as late as the Monday prior to the show. She believes that the show provides a great way for Feds' cultural clubs to showcase themselves and get their name out there, as many of the clubs would not be able to do this without the assistance from Feds.

ENGINEERING SOCIETY EXECUTIVE REPORTS

Presidential Report



CAT HAY
PRESIDENT

This has been a very busy couple of weeks in terms of meetings. In this article: outreach, meeting with the Dean, website update, joint exec meeting, orientation review, Council of Presidents, Paul and Paula Plummer awards, and upcoming meetings.

I started off with another outreach meeting where we discussed new initiatives to target students, teachers, and the general public. Some of the best-liked ideas included: increasing our involvement in National Engineering Month (specifically the Globe & Mail feature articles), creating another symposium at the end of a term with the top design projects from each department, recording a series of engineering lectures (like the popular Ted Talks), connecting high school math/science/technology teachers with our professors/students and

with each other, and creating a Dean's leadership list (similar to the Dean's honour list) to recognize student leaders in all types of engineering clubs and teams. We are meeting again toward the end of March, so please talk to me between now and then if you have any feedback on the above ideas (or any new ideas you want me to present).

Next the exec went upstairs to meet with acting-Dean Rothenburg about our current initiatives and questions related to funding, enrolment, new programs, the Dubai campus, and PDEng. We heard that departments across campus are being asked to cut their budgets by an additional 3-5% this year as a result of flat allocations of provincial funding in combination with inflation and the current economy (e.g. endowment value). In a situation like this, we can either decrease the number of faculty or increase the number of students. Because of Waterloo's size, it makes the most sense for us to increase students so we can preserve our current activities and number of grad students. We can expect this to

impact faculty-student ratios and access to current resources (classrooms, labs, etc), but we are still moving ahead with the E6 and E7 building plans and hoping to have more laptop-friendly spaces. Although we are increasing enrollment, we actually saw an increase in the admissions average last year (as compared to the previous year).

With respect to the Dubai campus, they are currently focused on recruiting students and arranging residences. We will be involved in the student life aspect once the foundation is set. We were told that professors will likely be chosen within the next month, but the Dean's office is still honouring commitments to new programs here despite the current hiring freeze (defined as "mission critical hiring"). They have not yet decided how Dubai students will be integrated into current programs when they arrive in Canada, but have suggested that they may mix students from Dubai and Waterloo and then split classes. Although this means some classes here would be split up in their third year, it does improve the faculty to student ratio as we would be creating two classes without doubling the number of students. Currently environmental and geological engineering are not included in the civil curriculum in Dubai, and there are no plans to extend this initiative to other programs.

We also heard that the PDEng review was being sent out last week and we are expecting to hear back by April. Reviewers include one highly regarded industry professional, one former dean, and one current dean. We may be calling for students to participate in face-to-face interviews with the reviewers in March.

After meeting with the Dean, we attended a training session with our website contractors, both A-Soc and B-Soc exec, and Mary. The main part of the site is almost complete and they are beginning to work on the next stage of the design- an online Novelties storefront. The initial launch date was supposed to be mid-May, but we are hopeful we can do a two-part launch with the bulk of the site going live in time for the start of spring classes (May 4) and Novelties coming about a month later.

While A-Soc was in town for the leader retreat, we also had a joint exec meeting. One of the really exciting changes that came out of this meeting is with respect to our current list of directors. We have reorganized which directorships fall under which exec to ensure they have access to the best resources for their position. We also removed out-of-date or

struggling directorships to reduce the amount of energy we are wasting on trying to revive them each term. Finally, we condensed a lot of directorships into more general categories to reduce the load on our term calendar and increase the variety of events and services we run. Full details and explanation to come at this week's EngSoc meeting.

Next I attended an orientation review meeting where we discussed the number of sub-committees on the Federation Orientation Committee (FOC), the management structure, timelines, requirements for FOC membership, and compensation. It should be noted that the decision was already made to go with a three-day week (one day each of jump start, faculty academic, and faculty fun) beginning in 2010. Given that change, we decided on having only six faculty committees, but delayed the decision to include an extra committee for interfaculty events. The change to six faculty committees will impact all joint-faculty programs, including Software Engineering, who normally attend both Math and Engineering events throughout the week. With the loss of residence (and potentially inter-faculty) FOC, the FOC membership requirements will be relaxed to allow any former leader to run for FOC (as opposed to only students who have been a leader for their faculty). We made no changes to timelines or compensation.

At the Council of Presidents meeting, I met with Presidents from each of the other faculties. We discussed the Spread the Net initiative, which involves a cross-campus charity concert at FED Hall on March 19th. We also talked about the implementation of a cross-campus exam bank and an audit of all society finances by a Feds delegate within the next year.

Finally, I attended a lovely Grad Ball on Friday- a big hats off to this term's GradComm chairs and Grad Ball directors! This was also when we got to announce this year's Paul and Paula Plummer awards. Congratulations to: Amanda Hoff, Ross Ricupero, Adam Schubert, Emily Ecker, Kiri Neufeglise, Sunny Ng, Jeff Lipnicky, and Tyler Gale.

I also wanted to remind everyone that we moved the last EngSoc meeting of the term so grads would have their iron ring. Our last meeting is now Wednesday, April 1st and will be a potluck in POETS.

And if you made it through this whole article: thanks for hanging in there!

VPED Report



SASHA AVRELINA
VP EDUCATION

Hello Everyone!

This time I would like to give you an update about some things that are important and are going on right now.

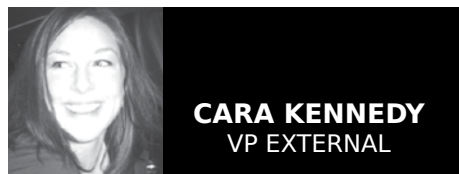
Course Critiques: course critiques will be taking place for the two weeks from March 9th to March 20th, 2009. Please put some time and effort in order to fill those out as they are the main means of evaluating professor's teaching performance. Also please try to provide some detailed feedback to the professors on the back as professors will have those comments delivered to them after

grades are finalized. Class reps: please bring course critiques to the orifice (CPH1327) as soon as they have been completed in class.

Debt Load Surveys: Thanks to everyone who filled one out! Results from the survey will be tailed up this week and published in the next issue of *the Iron Warrior*. Class reps- if you haven't brought your surveys in yet, please do so as soon as possible.

Work Term Report Writing Workshops: We will be hosting two workshops on March 26 and March 31 to help students with writing work term reports. During the workshops students will be provided with examples of well and poor written work term reports as an exercise.

VPX Report



CARA KENNEDY
VP EXTERNAL

Whew! It has been a busy last couple of weeks!

The 33rd Annual *Bus Push* is March 21st and you can pick up pledge forms in the Engineering Office to support the Heart and Stroke Foundation. You can also register your fundraising at www.engsoc.uwaterloo.ca/buspush and join team EngSoc! Come out and support the parade from our school to downtown Kitchener.

ESSCO is a proud supporter for the *Canada's Wonderland Math and Physics Day*. This is an even for high school students to learn more about math and physics through the engineering or amusement park rides. It will be held May 8th from 10:00AM - 8:00PM and volunteers are still needed! Only 30 spots are available and you can sign up at www.essco.ca/volunteer_app.php before April 1st if you are interested in helping out! If you become a volunteer you also receive a free pass to use all day on May 5th as well as a second day pass to use whenever you want!

U of T is hosting a *BroomBall* game on

March 29th, from 7:00-9:00PM through their Engineering Athletic Association. If you are in the area and interested in attending the broomball tournament e-mail: katerina.daginis@utoronto.ca. The cost is only \$10 for a great night out and a chance to learn the art of Broom-Balling!

The *Penny Pincher* drive was a new initiative (and great success) between our President Cat Hay and the Math President, Chris Neal. For this drive engineering accepted your pennies and encouraged you to donate your other money in the math faculty collection containers. All donations are going toward the HopeSpring Cancer Support Centre in Waterloo and the losing faculty president will be dyed either Purple or Pink for their council meeting this week!!

Also, come out and support the *Charity Pancake Breakfast* this Thursday, March 12 to support the HopeSpring Cancer Support Centre.

If you are interested in any of the above things or are just bored and want to chat, send me an e-mail at bsoc_vpext@engmail.uwaterloo.ca.

Keep it real and I hope school is going well for you.

Cara

VPI Report



LAURA SISSON
VP INTERNAL

Hey everyone!

Just as a quick recap, last week we had a whole bunch of cool events! Rock band competition was a huge success with the BRAND NEW AV Equipment. We also had a super awesome Genius Bowl. I'd never been to one before and I had a great time. Wheelchair basketball and the 2011 Pool Party were also on the weekend (they haven't happened yet as of now but I'm sure they will be great!). Thanks to everyone who came out and everyone who ran those events!

If you're sad that you missed out on

the fun, never fear! There's a ton of internal events happening the next couple weeks. First things first, B*5 (B-soc's Big Bad Bowling Bonanza) is happening at Waterloo Bowling Lanes at 7:30pm on Thursday the 12th. The week after that we've got a 2012 Potluck and party on Wednesday the 18th in POETS. TalEng is happening in Bomber on Thursday the 19th so come out and show off your amazing talents (or just watch other people make fools of themselves). There will be a 2011 Grilled Cheese Andre on Friday the 20th in POETS from 12-4, so 2011's-we need your help! Finally EngPlay will be having shows on the 18th, 20th and 21st so get your tickets and enjoy the laughs.

Anyways, thanks for tuning in and I hope to see you all out at these events!

VPF Report



SCOTT RANKIN
VP FINANCE

Hello Engineering Society,
So there have been quite a lot of things happening in EngSoc recently. Adjacent to this article you can see the approved budget break down as well as the approved donations. For the teams that have received a donation this term from EngSoc, please email me (bsoc.vpfin@gmail.com) when you would like to have your cheque written and I will do my best to accommodate you.

In other news the EngSoc website is progressing on schedule, and the designers have begun working on the Novelties portion of the website. From the look of it, the Novelties website will be much like any other online store. As of now, it looks like the only possible method of payment will be cheque by mail, but maybe in the future we will incorporate things like PayPal.

Novelties is now taking orders for personalized EngSoc flasks, they are approximately \$25 and can be personalized with two lines of text. You can pick up a form in Novelties from Monday-Friday at lunch; forms are due this Friday, so hurry up!

-Scott

EngSoc B Winter 2009 Budget

Category Description	Requested	Given
Income		
	\$42,000.00	\$42,000.00
Expenses	Requested	Given
Exec Discretion	\$ 1,000.00	\$ 1,000.00
President	\$ 1,000.00	\$ 1,000.00
VP-Finance	\$ 500.00	\$ 500.00
VP-External	\$ 500.00	\$ 500.00
VP-Education	\$ 500.00	\$ 500.00
VP-Internal	\$ 500.00	\$ 500.00
Total Exec Expenses	\$ 4,000.00	\$ 4,000.00
Fixed Costs	Requested	Given
Total Fixed Costs	\$ 22,970.00	\$ 22,970.00
Donations	Requested	Given
Total	\$2,500.00	\$2,500.00
Director Budgets	Requested	Given
Academic Rep Advisors	\$450.00	\$400.00
Arts	\$350.00	\$200.00
Athletics	\$632.00	\$442.00
Bowling	\$370.00	\$200.00
Bus Push	\$760.00	\$300.00
Capture the Flag	\$150.00	\$135.00
Charities	\$200.00	\$200.00
Class Rep Advisors	\$75.00	\$35.00
Competitions	\$20.00	\$20.00
Curling	\$915.00	\$700.00
Enginuity	\$380.00	\$250.00
Engplay	\$5,560.00	\$2,000.00
Extreme Sports	\$400.00	\$250.00
Faculty Liaison	\$160.00	\$80.00
Frosh Mentoring	\$313.62	\$200.00
Frost Week	\$280.00	\$280.00
Genius Bowl	\$442.00	\$392.00
Interfaculty Relations	\$810.00	\$765.00
Jazz Band	\$1,609.00	\$1,200.00
Music	\$1,550.00	\$200.00
Pie Week	\$600.00	\$450.00
P**5	\$999.99	\$960.00
POETS Managers	\$1,050.00	\$610.00
POETS Programmers	\$50.00	\$50.00
Resume Critique	\$200.00	\$180.00
Scunt	\$550.00	\$450.00
Semi-Formal	\$520.00	\$520.00
SFF Representati	\$75.00	\$50.00
Shadow Day	\$50.00	\$10.00
Speaker	\$3,261.00	\$2,461.00
Special Events	\$100.00	\$100.00
TalEng	\$550.00	\$250.00
TSN	\$450.00	\$100.00
Wheelchair Basketball	\$50.00	\$50.00
Women in Engineering	\$360.00	\$220.00
Year Spirit (2009)	\$150.00	\$150.00
Year Spirit (2011)	\$350.00	\$200.00
Year Spirit (2012)	\$50.00	\$50.00
Total Directors Expenses	\$24,392.61	\$14,710.00
Total Expenses	\$53,862.61	\$44,180.00
Net Income (Losses)	-\$11,862.61	-\$2,180.00

Donations

Team Name	Donation Requested	Donation Given
FOC	\$500.00	\$500.00
Robot Racing	\$4,652.68	\$400.00
Underwater Tech Team	\$600.00	\$565.00
Iron Warrior	\$135	\$135.00
Concrete Tobaggon	\$500	\$300.00
Space Society	\$600	\$0.00
Gradcom	\$600	\$600.00
Total Requested/Proposed	\$7,587.68	\$2,500.00
Available Donations	\$2,500.00	\$2,500.00
Total	-\$5,087.68	\$0.00

Cell Phone Convenience



TREVOR JENKINS
1B MANAGEMENT

Ever get really annoyed when your cell phone died on you at the most inconvenient times possible? Get even more peeved that when you try to use your friend's charger, you realize it's not compatible with yours?

Change is slowly coming, following the signing of an agreement some members of Groupe Speciale Mobile Association (GSMA) to use a universal charger by January 1, 2012. The GSMA represents over 750 cell phone operators and manufacturers from across the globe.

Three notable hold outs from this agreement include Research in Motion, Apple and Palm.

The charger of choice will be a Micro-USB interface that many phones already use. However, a specific energy-efficient standard set by manufacturers will deal with the no-load power consumption- the power consumed when the phone has fin-

ished charging, but the charger remains plugged in.

Over 1.2 billion cell phones were sold world wide last year, which equates to between 51,000 to 82,000 tonnes of chargers. The initiative is expected to reduce greenhouse gases between 13.6 to 21.8 million tonnes a year. Most of the savings will be a result of the reduced manufacturing and transportation of chargers.

From personal experience, this is a huge step forward in making cell phones more convenient for the end user. Like most people, I have had multiple cell phones over the last few years and still have the chargers lying around. It seems wasteful to just throw them out, but with no other practical use, they're just taking up space. I hope that RIM, and Apple jump on board with this agreement in order to further the convenience factor to the user instead of worrying about corporate matters.

The GSMA says that companies which have signed up to the plan include AT&T, KTF, LG, mobilkom austria, Motorola, Nokia, Orange, Qualcomm, Samsung, Sony Ericsson, Telecom Italia, Telefónica, Telenor, Telstra, T-Mobile and Vodafone.

WEEF Director Report



MATTHEW BESTER
WEEF DIRECTOR




Bonjour undergrads et all
Not much to report from WEEF in the past two weeks. Last week the Funding Council got together and listened to all who put in proposals for the \$85 000 that will be spent this term. In total there were 35 proposals and asking for a grand total of \$162 515.58. You can

expect a breakdown of the allocations in the next issue of the IW.


That's all for this biWEEFly report (Yes, biWEEFly is a word . . . trust me).

Beyond the Ring

Bridging the gap between university and the work force



Edward Drennan, B.A.Sc.
CHE Alumnus
Class of 1982



Eric Jelinsky, B.A.Sc.
ME Alumnus
Class of 1976

The Speakers Will be Discussing...

Getting Employed!...What it Takes During These Challenging Times
&
Practical Perspectives on Leadership as an Entrepreneur

Question and Answer Period to Follow

Wednesday, March 25, 2009
11:30 am to 12:30 pm
DC 1302

Food and beverages will be provided

Be Orange Day

ROB SPARROW
2A SYSTEMS

On Thursday, March 6th, the University of Waterloo chapter of Engineers Without Borders kicked off Be Orange Day. After talking with students and staff in the SLC, EWB and Feds exec members braved the cold to Splash Out Poverty. The event, becoming a yearly tradition at Waterloo, helped highlight the main goal of the Be Orange campaign: that actions we take

every day can have a huge impact on people's lives around the world. Following Splash Out Poverty, EWB, along with the Mennonite Central Committee, welcomed musician Craig Cardiff to Waterloo for a benefit concert capping off a great day of campus outreach. After a hard days work, EWB members were glad for the chance to sit back and enjoy some great music! For more information how you can get involved with EWB, check out uwaterloo.ewb.ca!



Angelo Alaimo

EWB members and Feds Exec-Elect, including Chris Neal (second from right), Sarah Cook and Allan Babor (third and fourth from left), take part in splash out poverty.

Don't Forget About EngPlay!

ARTHIKA KALATHOR
ENGPLAY PRODUCER

Only a few weeks left in this term and what are we missing? Yes, that's right it is our infamous EngPlay! Just in time to take a break from all the projects, assignments and everything else you always spend time on. So, were you wondering what's up with this EngPlay? I am just about to give you more details on that. There are actually quite a few things different this term. Well, there are actually two main things. First, it is not going to be in RCH or AL Rooms but at Hagey Hall. I know what you are thinking... we are becoming *more* professional. Secondly, we have not just one but two plays for you.

We have *Treasures on Earth* by Wil-

liam Walden which is about an architect who wakes up in heaven and comes back to earth to meet his wife and sister. It is a play filled with comedy and mystery. To find out more you will have to come watch the play. The other play we have for you is *Mystery at Twickernam Village* by David Ives.

The cast comprises of students from all years. To encourage and support our fellow engineers come watch the play. The tickets are on sale at the Turnkey Desk (SLC) and at the Orifice (EngSoc Office). The show will be on March 19th, March 20th and March 21st at 8pm. The tickets are only \$10 and you get to watch 2 plays for the price of one.

Come watch EngPlay and have an amazing evening!

Wheelchair Basketball



MICHAEL SELISKE
2A COMPUTER

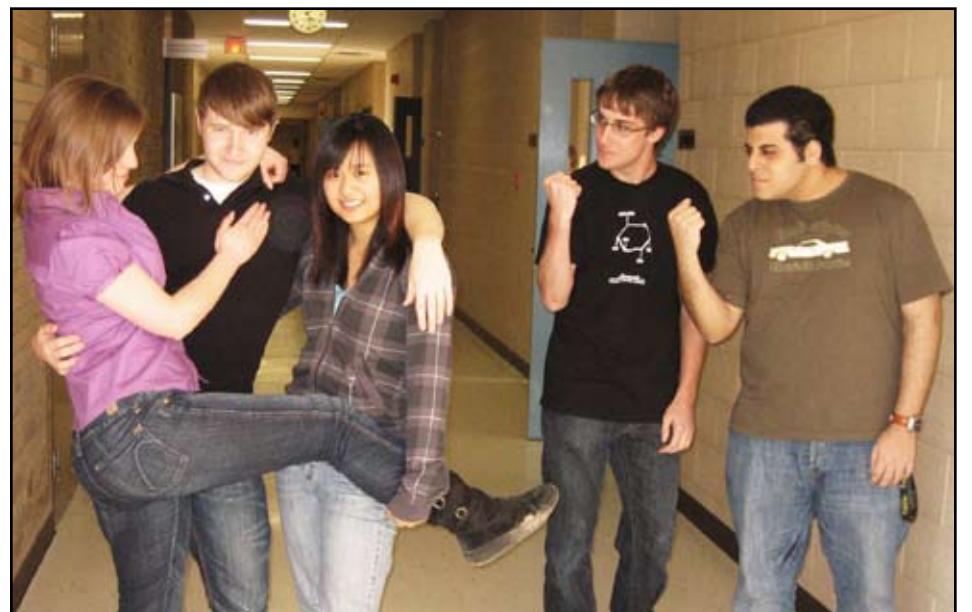
Once per term Waterloo Engineering has a charity fundraiser in the form of a Wheelchair Basketball game. Each term we get to experience what it would be like to play a game of basketball without the use of our legs, well we aren't supposed to anyways. The event was fun filled and included a great deal of hilarity. Basketball was played, races were run and a game of

wheelchair red rover was also a fun way to end off the event. By the end of the game many of the participants were very surprised at how hard it was and how tiring it was. Sean O'Neill was even quoted as saying "I don't know how those guys do this everyday, but I sure couldn't do it." As a slight side note it was very interesting to see people's reactions when we rolled into the hall to get a drink. People held open doors we weren't even going through or offered us their spot in the water fountain line. All in all it was a great Saturday afternoon of fun and I look forward to participating next year.



Michael Seliske

Wheelchair basketball participants celebrate a successful event to raise money for the Brantford Participation House.



Treasures on Earth and *Mystery at Twickernam Village* comprise this terms EngPlay.



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UW CASA's First Fashion Show a Success



SYLVIA WU
2A MECHATRONICS

The University of Waterloo's Canadian Asian Students Association (CASA, not to be confused with the Canadian Alliance of Student Associations) held its first Charity Fashion Show since the founding

ed to the Children's Health Foundation. It seems that UW CASA is determined to turn this into a Waterloo tradition as well, with preliminary plans for next year's show already being discussed.

The fashion show was definitely a fiscal success as it generated the maximum amount of revenue possible given the limited seats. How well the ultimate goal was accomplished has yet to be evaluated, since the net profits are unknown as of

March 6. However, the outcome looks optimistic, since the show had a wide array of sponsors who covered clothing, hairdressing, and makeup, which are some of the major expenses of a fashion show. The undeniably professional looking photography for the show's website, advertising banners, and program were done by UW Photo Club volunteers, which include both *Iron Warrior* photo editors Angelo Alaimo and Michael Seliske.

The fashion show was comprised of a variety of scenes with guest performances in between, centering around the theme "Las Vegas: Royal Flush". It is not hard to guess that some Casino Royale references were

made during the show. This was not a traditional fashion show by any means: the runway seemed to be the least focused on out of all aspects of the show. A lot of the scenes focused heavily on dance, which were carried out by a medium to large group of "runway models." One scene especially worth noting was the Urban scene, featuring hip-hop street fashion and a breakdance battle. Kanye West's famous window shutter glasses appropriately made an appearance. The stage seemed to be filled with models/dancers during this scene, which created an ex-

tremely energetic atmosphere.

Another scene that deserves to be highlighted is the Red Carpet scene. This was more of a traditional runway feature and had the best struts out of all scenes, comparable to those on the "Next Top Model" series. The scene was spiced up by Jac-

could be improved. It was ruined mostly by the sloppily done blur effect and the fake kiss, which was common in Asian network TV two decades ago. Clearly the director is still stuck in a Bollywood state of mind, in which kissing is considered indecent and a rare affair.



Michael Seliske

of the organization on Friday February 27, 2009. All 650 seats in Hagey Hall's Humanity Theatre were sold by noon on the day of the show. One hundred percent of the profits will go to the Canadian Cancer Society, according to CASA.

It's not hard to discover where UW CASA drew their inspiration from: its sister organization, CAISA (Canadian Asian International Students Association) at the University of Western Ontario has been putting on an elaborate fundraiser fashion show annually for the past 10 years. The proceeds from the UWO shows are donat-



Michael Seliske

queline Murphy's great singing. In fact, all solo singers featured in the show were quite good, which was the most consistently strong aspect of the show.

Other than runway and dance-centric scenes, most of the scenes had somewhat of a storyline entwined into the performance. The steamy Lingerie scene, the Boxing Ring scene, the Casino scene, and the grand finale Formal scene all fell into this category. The Lingerie scene really played up the "tease" factor, not raising the curtains for what seemed longer than three minutes, challenging the audiences' anticipation. The scene was overall eye pleasing, but the intruder in white (what the journalist perceived to be a symbolic devil) made it more confusing than necessary. His grunts and rumbles were incomprehensible to the audience and disrupted the flow. The Boxing Ring scene featured probably some of the most defined six packs and biceps on campus. The pretend fist swinging could be more realistic, but the audience's focus was probably on the pecks of the male models and well toned curves of the female "cheerleader" models anyway. The Casino scene's central character was a femme fatale who conquered the gambling table, men and women alike. The video played during this scene

The grand finale deserves its own paragraph. The Formal scene opened with Cinderella in her apron, mopping the floor. Her fairy godmother tiptoed onto stage in full ballet gear, including a tutu, a tiara, and those (in)famous wooden toed shoes. The fairy godmother's talent alone was remarkable enough for the whole scene to receive a 5-star. Cinderella then goes to the ball and meets her Prince Charming. However, as the clock struck 12, she didn't have to run away but lost a stiletto on the stairs. Her prince found the stiletto on the dance floor and rightfully puts it back onto her foot. In return, she grants him a kiss. It was a real embrace this time around (unlike the video), and the background projection of heart-shaped fireworks against the night sky can only be described as cheesy but toothachingly sweet.

The special performance guests were a great addition to the show's standard scenes. Team Raze, a martial arts quartet, put on an exciting performance. The dancer Poppin' TK was remarkably flexible and had joints made of play-doh. A trio featuring one singer and two dancers called The Ruby Whisperers put on a novel cabaret-like performance. However, the vocals were really whispers at some points and could've used a little volume boost. They were the Pussycat Dolls, 1920s style (self-described), without the holler (in the humble opinion of the IW journalist).

It was previously mentioned that the song performances were a consistently strong aspect of the show. The reason for this comment is that despite the highlights, some of the scenes needed improvement. They lacked well synchronized dancing and quality runway struts. Some of the models were noticeably uncomfortable and unfamiliar with walking at a good pace in high heels, and some of the dance scenes looked like they needed more rehearsal. The technical difficulties experienced at the beginning of the show and somewhere in the middle were disruptive and unprofessional. Hopefully, these issues will be addressed in future shows.

Overall, the CASA Charity Fashion Show was an enjoyable experience, and a third source confirms that the afterparty was also full house and a wild time. Not bad for a first time; the merits of this year's fashion show are enough to warrant anticipation for next year's.



Angelo Alaimo

THE IRON WARRIOR RECOMMENDS

Course

HUMSC 101

Professor Greenwood



TREVOR JENKINS
1B MANAGEMENT

Looking for a List C course that involves some work, but guarantees at least an 80? HUMSC 101 with Prof. Greenwood offers the best of both worlds. A cross of philosophy, literature and psychology mixed together to give you insight into the correlation between thinking and action. It requires that you attend class, but each class consists primarily of open discussion.

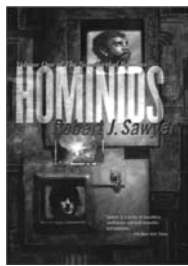
Marking scheme consists of four 5% written assignments in class based upon a question presented in class. As long as you hand something in, you get full marks. There are also two 2,000-word essays that are each worth 25% but can be resubmitted as long as you hand them in by the "recommended" due date. If not in by then, they're due before classes end. And there's one, 30% written exam that consists of "state the significance", two short answer questions, and one essay question. None are all that challenging.

BONUS: when I took the course, all the required reading books were given to us for free. \$60 worth of free books is always a nice after you shell out \$100 for a MODS textbook.

Book

Hominids

Robert Sawyer



MICHELLE CROAL
2T CHEMICAL

This novel is the first in the Neanderthal Parallax: a story of Earth and its sister planet in an alternate universe where it was Neanderthals, and not Homo sapiens, that were the race to develop consciousness and humanity. When an experiment in quantum computing goes awry on the other side, a Neanderthal physicist is transported to Earth, arriving at the Sudbury Neutrino Observatory to be specific. What ensues is an interesting tale of crossed cultures: religion, science, pathogens, pollution, lust and criminal conviction. The book is well written and had a unique plot concept; light enough to read entirely on the train in a weekend and with enough technical details to satisfy your inner nerd and sci-fi fan. It's the first in a trilogy, so I'm looking forward to reading more from this author: Humans, and Hybrids.

Website

Courselect

<http://www.uwlive.ca>

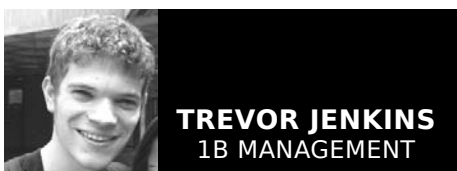


SUNNY NG
4B COMPUTER

Annoyed at how terrible the UW site is? Navigating through the UW site to find the information you want is even more difficult than trying to find your lost keys on the floor at Phil's. I mean sure you want to find your keys, but you really don't want to go through the trouble of looking at the floor and putting your hands on or anywhere near it. Courselect is a project started by a UW student and it's the best way to look up courses you want to take. Its great interface lets you find out your course name, course code, course description, course info, course schedule, professor name, textbook information and everything you need for a course override form all on one page. Hey UW, please make your website more like this, kthxbye.

Band

Ubiquitous Synergy Seeker
Mystery and Romance



TREVOR JENKINS
1B MANAGEMENT

If you're from the GTA and a dedicated listener of 102.1 The Edge, then you'll know who these guys are already. But if you don't, then you're missing out. This high-energy duo has put out such hits as "Hollowpoint Sniper Hyperbole" and "Stationary", and beat out the likes of Bedouin Soundclash, Sam Roberts, Die Mannequin and Tokyo Police Club to win the 2008 CASBY Award in the "as voted by the fans" awards.

The only way to describe their musical style is as "the campfire after-party" filled with a mixture of drum and bass beats, grunge-like guitar riffs and 2-step rhythms. Says vocalist and guitarist Ashley Boo-Schultz, "It's like you're at Nirvana *Unplugged* but there's a drum and bass party and glow sticks all around you."

I had a chance to see them in concert last December, and it had to be the highest energy show I've been to. Back flips, scratching records with the opening act's teeth and head spins were just some of the antics that they pulled on stage. Their self-titled album is available at most HMV locations.

Website

East of the Web

<http://eastoftheweb.com>



MICHELLE CROAL
2T CHEMICAL

This is a neat little site I found a couple weeks ago - perfect for the engineering nerd who's secretly an arts fan. It's great as inspiration for potential writers or bite size entertainment for those who enjoy reading. It's a collection of user-submitted short stories in various genres such as humour, horror or romance with a variety of lengths: anything from 2-20 pages. If you can't find the time to read your textbooks, never mind novels or other non-fiction of your choice, these selections may be just the perfect 15 minute break. They also have fun scrambley word games!

Campus Publication

mathNEWS

Mathies and Softies



SYLVIA WU
2A MECHATRONICS

Check out Issue 109.4 of *mathNEWS*! The newest one came out on Friday March 6, 2009. You'll have to look hard in MC since these bundles of 8.5"x11"s are quite elusive, but the bright green cover with an XKCDesque comic on the front page should be eye-catching enough. Great read if you are looking for humour with minimal news, unlike a certain publication I'm writing for...

One relevant feature that *mathNEWS* publishes is the Eng vs. Math penny pincher contest. Engineering is in the lead according to the most recent update!

SEND IN YOUR RECOMMENDATIONS TODAY!

iwarrior@gmail.com

The Iron Chef Recipe

Homemade Spicy (Sweet) Potato Fries

SYLVIA WU

2A MECHATRONICS

Sylvia's version of spicy potato fries is all the deliciousness without the deep-fried guilt. This is an awesome appetizer recipe, as it is easy to prepare in large batches. You can make this with normal baking potatoes or sweet potatoes, which give your taste buds a thrill when combined with the spice!

Ingredients:

- 2 large baking potatoes or sweet potatoes (may be substituted for ready-cut fries, but they must not be deep-fried already)
- 2 tablespoons vegetable oil or olive oil
- 2 tablespoons dijon mustard
- 2 teaspoon chili powder (use more or less depends on your spice tolerance)
- 1 teaspoon red pepper flakes (optional)
- 1 tablespoon salt
- 1/4 teaspoon lemon juice
- Ground black pepper for sprinkling

Directions:

1. Peel potatoes then slice into the shape of fries. The thickness is up to you but you need to cook thicker ones for a longer period of time. You can also cut them up like tater tots as an easier/lazier option.
2. Mix oil, mustard, chili powder, pepper flakes, salt, and lemon juice in a large mixing bowl.
3. Add in the potatoes. Mix well so that the paste from step 2 cover all fries.
4. Place the fries in a single layer on a cookie sheet.
5. Pre-heat the oven to 425 degrees. Bake the fries for 20 minutes and turn over, and bake for another 10 minutes or until golden brown. Sprinkle with pepper to taste and enjoy!

Alternate Directions:

Instead of baking the fries, you can also pan-fry them for a crispier result.

Steps 1-3 are the same as above.

4. Slightly butter the bottom of a heavy skillet, then spread the fries in a single layer in the pan and cook until golden brown. Remember to frequently turn over so you don't burn the fries!
5. Sprinkle with pepper... need I say more?

Dangling *Pointers;

InsidEd,

You are a man (or woman?) of great humour and, more importantly, mystery. Both are qualities I love dearly. I hate to admit that I don't really understand your publication, since mathies and engineers speak different languages. Can we have some alone time in your office, with the lights turned down low (unless they are always turned down low), and you can give me the engineers' version of *mathNews*?

- Eng Loves Math

p.s. I love that you still remember my innocent comment about those 8.5"x11"s.

Dear Caffeine Addict,

You are always in the horrendously long line outside SCH's Tim Hortons at 8:30am. I can tell that you are already late to class, just as I am, by the way you hurry off with a slightly panicked and "not again" expression on your face after you've been served. I could go to the C&D, but I like standing in your proximity, even if it's just for 5 minutes. Your scarlett lips would match my red earmuffs well.

- Cream seeks black coffee

POINT VS. COUNTERPOINT

POINT

Are 16 Month Co-ops Better Than 4 Month?

COUNTERPOINT

ALANNA YONTEF

U OF T CANNON EDITOR-IN-CHIEF

In the spring of my graduating year of high school, I selected a university in the way I go about all of my larger life decisions- by process of elimination. I had it narrowed down to two schools: UW and U of T. Both offered well-respected engineering faculties, both exploited their own slew of celebrity alumnae, and both tuition rates were comparably larger than the traditional arts and science degrees. The deal breaker was the difference in their co-op programs. While UW has alternating four-month terms of school and work, U of T offers a twelve- to sixteen-month Professional Experience Year (PEY) midway through its undergraduate degree. A longer employment allows for a more in-depth understanding of the job and greater responsibility overall; while multiple, shorter work terms have their merits insofar as the scope of the work, this choppy lifestyle makes for a university experience that is lacking.

I've been working at Research in Motion since May 2008, immediately after completing my third year of mechanical engineering at U of T. Since then, I've witnessed three sets of four-month co-ops come and go, and this has given me an unusual insight into the argument.

Recall your first co-op term. How smart did you feel that first week? How long after did you feel like you truly knew what you were doing? The learning curve typically lasts between three to four months, at which point the short-term co-op students begin mentally preparing to return to class. Their productivity peters off those last few weeks- since they're leaving soon anyway, it would be futile to start any new, significant projects. This philosophy is generally shared by their employer. While there certainly exist jobs that cater to the short-term co-op students, there likewise are those that are reserved for the sixteen-month interns. Long-term projects requiring a deeper understanding of the company's products and processes go to the interns, and the same protocol goes for positions necessitating a certain degree of networking. It takes time to establish and maintain relationships within the workforce and to build a rolodex of contacts. Hence, employers take the time to train these students like any other full-time employees and treat them accordingly. This also lends an

honest taste of the working world after graduation.

Granted, the year-long work term isn't all rosy. Completing the entire co-op at one company can be potentially limiting if taxed with the same responsibilities for sixteen months. In this respect, UW's system exposes its students to a greater breadth of work and provides the opportunity to develop skills in many different industries. (However, four-month summers bestow this same opportunity to the U of T student.) There is also great comfort in a short placement should the job turn sour.

But perhaps the strongest reason for opting for U of T's PEY program lay in the overall university experience I wanted. UW students are constantly on the prowl for a job, an apartment or both. UW friends all share the same work-study pattern, rendering half of the students in their graduating year near strangers.

U of T offers some stability. It is possible to live in the same apartment for years at a time, the greatest concern stemming from how much to sublet the place over the summer (often to make a profit). Enduring the academics with all the people in your class for consecutive semesters is a testament to the fact that suffering is a bonding experience, and proportionately so.

Engineering at most schools is a tightly-knit community, and neither UW nor U of T is any exception. However, the constant change in routine between school and work can feel disrupting. I saw a lot less of my university friends over the summers between school years, and the only reason I see some of them as often as I do now is because we all live within relatively close proximity. This cannot be said for our friends working overseas. University is a time to make meaningful, lasting friendships, and this is largely due to the unique circumstances that college life presents. You spend such vast amounts of time with people of similar age and mindset and the relationships will tend to root deeper than any camaraderie initiated in the "real world". This is the U of T engineering experience and for this, I am willing to sacrifice potential breadth in work experience on my resume.

KEVIN LING

IRON WARRIOR EDITOR-IN-CHIEF

Back in high school when I was looking around to see where I should go for university, co-op programs were one of the key things that I paid attention to. Boasting one of the best co-op programs in Canada, Waterloo was an obvious contender. Now that I've spent two years in the Waterloo co-op system, I'm a firm believer in four-month co-ops over longer co-op terms. The shorter but more numerous co-op terms here at Waterloo have several inherent benefits in the social, financial, and career areas.

With the ever increasing post-secondary education tuition rates, starting co-op after the first or second term of school really helps to cover expenses. The four-month co-op system lets students keep their cash flow going during school and can sometimes help them avoid the necessity of taking out huge student loans up front, only to have to pay it back later. In my case, the money that I make from each co-op work term is pretty much enough to cover the tuition and living expenses of the following academic term so I hardly ever go what some call "student broke". Of course, this only applies for engineering students in the four-month coop system.

Another key aspect about the four-month co-op rotations is that each student will end up with 6 work terms over the course of their undergraduate career. If one wishes to do so, each of these work terms can be spent at completely different jobs. This way an individual can sample multiple industries and get a better feel for where their program will lead them. Since engineering students at Waterloo get this exposure to their field early on, they do not have to wait until after the third year of their program to realize if they will actually enjoy what they are setting themselves up for. A student might just learn from an early coop placement that they hate the field, and then have the opportunity to jump ship before they accumulate more soon-to-be defunct credits.

All the different experiences that can be obtained from different work terms are also an

added bonus. While Waterloo engineers in the shorter termed co-op system don't necessarily get the full feel of any individual job, they can find out which field they like and focus more on that. It's like going out for sushi. If you have no idea what anything on the menu is, it might be best for you to just get a platter that has a whole bunch of different stuff to sample. If you find something you like, then you can always order it again later. If there's something that completely disgusts you, well it's only four months of your life. Bad co-op jobs are out there, and some unlucky people get stuck with them. In Waterloo's four-month system, at least we won't get stuck with them for too long. This also makes people more likely to try something that they are not sure that they will like because it is not as big a commitment as a sixteen-month PEY.

One of my favourite things about the four-month co-op system is that every time a job starts to get dull and repetitive I have an academic term to look forward to. I wonder how things will go after I graduate and enter the work force permanently, at which point I will no longer have school to return to and escape from tiresome office jobs. With my last job, I was offered a position to return to, but I wanted a change in scenery, which is another thing that doesn't happen often on sixteen-month co-ops. I chose to go back into the mess of job applications and interviews to find a new job so that I could work in a different city. A friend of mine has met some U of T interns who have been pretty unfortunate and were stuck in Ingersoll for 16 months. In case you don't know, there's nothing in Ingersoll.

A final benefit of four-month work terms is the smaller gap between academic terms. The amount of things that I learn one term and forget over work term is bad enough, even with my work term being only four months. I can only imagine that going on a 16-month work term would be even worse for my memory. This would require even more time to get back up to speed on everything that you missed while you were away. Not to mention that while you were off on work term, your friends that opted not to do coop have finished another year and may have graduated without you.

In the end, four-month coop work terms are much more diverse, flexible, and present students with more options that bring invaluable experience.

Editor's Note:

Point Vs. Counterpoint is a feature meant to stimulate discussion on thought-provoking topics. The views and opinions expressed here do not necessarily reflect those of the authors, *The Iron Warrior*, or the Engineering Society.

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The John Fisher Award for Leadership is made to an undergraduate student graduating in the Faculty of Engineering who has shown outstanding leadership throughout his or her academic career in activities that relate to Co-operative Engineering Education.

Nominations for the John Fisher Award can originate from student groups, faculty members, or other individuals. Letters of Support from colleagues, faculty, and others familiar with the nominee's accomplishments are extremely important and form the major basis upon which the Executive Committee of the Sandford Fleming Foundation will form its decision. Nominations must be submitted to the Foundation by April 1.

The John Fisher Award consists of a Certificate plus a citation, and an honorarium of \$2,000. The award has been named in recognition of the outstanding contributions made toward the work of the Foundation by its former Chair, Dr. John Fisher.

Nominations Must be Submitted to the SFF Office Manager by April 1

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ARTS AND ENTERTAINMENT

The Future of Gaming: Releases & Rumours



JON MARTIN
OBJON1138

Breaking away from the more philosophical articles of the last few issues, this article is going to be focused on the future product deployments in the gaming industry. From the new model of the Nintendo DS, to the continuing rumours of a successor to Sony's Playstation Portable. Also of interest are rumours of a PS3 pricecut and the release of a new Xbox 360 model.

Nintendo continues to dominate the handheld gaming market with their amazingly successful Nintendo DS, and they are about to release a new improved model of the DS lite on North American shores (this is confirmed, not a rumour). The DSi, as it is called (what's the deal with putting an 'i' in every new product?) offers another size reduction from the DS lite, although it is less noticeable than the huge change from the original DS to the lite. Unfortunately the size reduction comes at a price - namely the slot for Game Boy Advance (GBA) games. Some may say the GBA slot was pointless in the first place, and then came Guitar Hero On Tour, which includes a snap on controller piece using the GBA slot. Personally I think Nintendo probably should have warned developers about the upcoming change, after all, developers are given development kits of new systems years in advance so they can make launch titles. The DSi also includes two

0.3 megapixel cameras, larger screens (3.25" vs 3" on the lite), and improved speakers. Finally, the system allows for hotswapping of game cards- you don't have to turn off the system to change the game.

On the Sony front, there are the ever present rumours of a PSP2, though the most recent rumours seem to have sparked more of a debate as they were started by David Perry, Chief Creative officer at Acclaim. The new PSP supposedly will get rid of the power hungry UMD media format. UMD stands for Universal Media Disk, though the PSP is the only thing that uses it. As the industry continues to advance the use of Downloadable Content (DLC) many developers are looking towards a purely digital future of game distribution. Like Xbox Live Arcade, the Playstation Network, and Wii Classics, entire games could be available for purchase and download to your portable system.

Other predictions for a future PSP include a folding or sliding screen, similar to many cellphones on the market now. A wild design consisted of a sheet of material capable of displaying games and movies, then being rolled up into the controller. A common hardware addition, which I support whole-heartedly, is the addition of a second analog stick. The PSP has all of the controls of a standard Playstation controller, except for two analog sticks. As a result porting (moving a game to a system other than the one it was created for) PS2 games is problematic, especially with first person shooter (FPS) games. FPS games rely on skill and speed, the in-

ability to move and look around at the same time leaves you totally stationary while trying to locate the guy shooting at you, which is a great way to die. A second analog stick should have been added with the very first hardware revision, not the upcoming PSP 4000 or PSP2, if either of them exist. A second analog stick would allow perfect porting of Playstation games from the console to the PSP, without having to change control schemes. It would also allow the PSP to be used as a controller for the PS3 - something that Sony has been hinting at during trade shows.

Of course there are also the necessary rumour reports of a potential Microsoft Xbox Portable, which are constantly shot down by Microsoft. If there ever is a Xbox Portable, Microsoft will have to jump into the handheld market with an incredible product to stand any chance of getting a foothold against Sony and Nintendo. For this reason I personally doubt rumours that Microsoft intends to slowly transform the Zune media player into a game system. The Zune would require a complete interface change, including all of the controls of an Xbox controller, a larger screen with improved graphical power, as well as a web browser and a way to read games. That seems like a lot of things to slowly implement, so unless Microsoft wants to spend ten years morphing the Zune into a gaming handheld, they are going to have to invest in a brand new model built from scratch.

Microsoft has confirmed a Resident Evil Special Edition Xbox 360 model, releasing on March 13 alongside Resi-

dent Evil 5. The unit is basically an Elite unit, except it is red instead of black, it will also include a copy of Resident Evil 5 and a few other extras. The unit will sell for \$399, the same as a regular Elite unit. So if you are a Resident Evil fan who has been waiting to buy a 360, this is the time to jump on board. When Final Fantasy XIII releases, Sony should release a special edition PS3 console with the game bundled, and take advantage of consumers eagerly awaiting the games release.

Finally, there have been some interesting rumours about an upcoming price cut for the PS3 console. While these rumours are relatively common, this one is slightly puzzling. Mike Hickey, an industry analyst with Janco Partners believes the price cut will be economically feasible because of the removal of the Blu-ray drive. This caught many people's attention as PS3 games are made on Blu-ray disks, so unless you want to buy a PS3 system incapable of playing PS3 games, this is a stupid model. Why would Sony abandon the format that won the HD format war? Unless Sony starts producing their games on traditional DVDs this move would be a death sentence for the PS3. So, I'm personally taking this with a grain of salt - actually maybe the entire Windsor salt mine would be better.

Keep watching gaming news sites for the next great rumours; whether they end up being true or completely bogus, they are always entertaining.

Better Know a Beer History



RORY ARNOLD
4B MECHANICAL

If you read my column often you've probably noticed I always like to take a little bit of time to talk about the history of each beer. I've always said my love for beer comes from the combination of two of my hobbies: cooking and history. Like cooking, each beer is carefully crafted from a recipe that can often take months or years to perfect. But the beer's recipe doesn't tell its whole story. When you drink a beer you are not drinking a flavoured glass of carbonated water, you are drinking something that is the result of a journey; a journey through time and space. My goal this issue is to take you on that journey that has lasted thousands of years, but don't worry, there's a full bar.

Beer is believed to be as much as 9000 years old, as chemical tests have confirmed alcoholic drinks similar to beer found in present day China. Mesopotamia, Egypt and Europe also have recorded evidence of beer related beverages dating at least 5000 years. Our best-known record of a beer recipe in the ancient world comes from an old Sumerian prayer to the goddess of Ninkasi. The Hymn to Ninkasi describes the recipe and process that the Sumerians used, first making a bread called bappir, then soaking the bread in water to create the mash. They would flavour it with dates and honey and it would combine with yeast in the air to make beer. In 1988, working with Professor Solo-

man Katz, the Anchor Brewing Company tried to recreate this ancient beer, although a recipe for 'best' beer from a brewer known as Alulu has been dated back to 2050 BC, slightly older than the first record of the Hymn to Ninkasi. It is even hypothesized that the Isrealites did not actually receive bread from God, but rather a thick porridge like beer called wusa.

Both the Greeks and Romans brewed beer, although wine was more popular in the Mediterranean region, however further north where grapes were uncommon beer was often a staple drink.

In medieval Europe, all classes of people enjoyed beer due to the fact it was safer to drink than the often-contaminated water. For this reason, the beer would only be slightly alcoholic and the grains were seen as nourishment. This was the case in monasteries where the monks would fast and thus drink beer to get nourishment. This was probably the first time beer began to be brewed on a largely commercial scale. Our first known record of hops being used in beer comes from a recipe in the year 822 written by a Frankish Abbot and was considered the best way to flavour oat based beers. Before hops became common, herbs, spices, roots and leaves were used to flavour the beer, however, hops became the norm when it was determined that they were a natural preservative.

The oldest brewery still producing beer is the Weihenstephan abbey in Bavaria which began production in 1040. Although you can occasionally find Weltenberger Asam Bock from the LCBO, which is actually from an ab-

bey in the same region that has been brewing since 1050. England was a little more stubborn to adopt hops as beer flavouring. Until the 16th century an ale referred to any beer which contained only water, malt and yeast. In 1516 the Duke of Bavaria Willaim IV adopted the Reinheitsgebot, which is a purity law stating beer can only be brewed using hops, water and barley malt. Yeast was later added when it was determined this is what produces the alcohol. This law was in effect in Germany until 1987, and it is still common to see breweries advertise their beers as adhering to the law. It should be noted that a few types of beers that did not follow the law were still brewed in small scales if they were preferred by the local ruler.

Europe's colonization of the world, especially that of Britain, spread beer to every corner of the world including Africa, Australia, and North and South America. Although China has the oldest chemical evidence of a beer like drink being brewed, commercial breweries were not common until the Europeans help set them up in the 1800s.

Since being colonized by the British, North America has seen a large number of breweries being set up. The first commercial brewery in Canada was built in 1668 in Quebec City by John Talon and called La Brasseries du Roy. Most of the large macrobreweries still around today were started in the late 1700s and early 1800s by great brewer pioneers such as John Molson, Alexander Keith and John Labatt. At the time there was also a large number of smaller breweries that were slowly acquired by the brewing giants. During prohibition

in the United States all but the largest breweries went under while a number of Canadian breweries made a name for themselves smuggling beer across the border as was the case with Sleeman. However, after prohibition ended only a few breweries remained. It wasn't until the 1980s when Americans and Canadians began to widen the range of their palates and crave more flavourful beers. As laws became relaxed, microbreweries began springing up in every region to provide a more flavourable, creative brew than was offered by the giants. The first microbrewery to open in Canada was Granville Island Brewing Company in Vancouver in 1984 and is one of the largest microbreweries in Canada. The Brick Brewing Company was the first microbrewery to open in Ontario later that year.

Today's beer culture is mostly dominated by the megagiants such as Inbev, SABMiller and Molson-Coors. Although craft brewers are steadily gaining respect all over North America, brewing beers that are more than just light tasting lagers. Nevertheless, all breweries are proud of their history and the traditions passed down from the ancient brewers of Sumer to the medieval monk brewers of Northern Europe to brewers in every corner of the world to present day macro and craft brewers. Beer is very much similar to people in that it has followed the migration of people to six continents and is now as diverse as the people who drink it. So next time you drink a beer think about how thousands of years and generations of brewers have worked to deliver you a delicious, thirst quenching brew.

Adventures Down South

Episode 2: The South



SYLVIA WU
2A MECHATRONICS

5 days, 10 states, and 5500km later, the adventure down south has been completed! What better way to waste your post-midterms free time reading this terribly long and verbose travelogue instead of doing some actual reading for class? This installment covers my adventures in South Carolina and some of Florida.

Continue reading at your own risk. This article may cause a burning desire to go on an adventure, down south or elsewhere.

Timmonsville, South Carolina

The only expression I can think of to describe this town is 'dead end'. As we drove into town for another fast food dinner, we observed an old lady staring at the main road, statuesquely. Her house swayed more in the wind than she did. The town's water tower displayed Honda's logo more prominently than the town's name. There were no tumbleweeds rolling down the streets, but there might as well have been.

7 or 8 teenagers worked behind a single register at Hardee's, where I got a medium "sweet tea" that was really an XL serving of over-saturated sugar water. The southern accent is getting quite thick here, to the point where "Will that be all?" needed translation. Mr. Windsor and I decided to get out of this place as soon as we are done chewing. The desolate feeling was starting to affect us.

On the way out of town, the old lady was gone from her porch, but two dogs took her place of "watching out for foreigners" across the road. I've never been stared at more creepily by a dog before. Time to run.

Brunswick, Georgia

Rain started hitting the windshield soon after we got into Georgia. We pulled over in Brunswick in hope of finding some Georgian peaches to taste, but all we found was Fuzzy Peaches candy. The place was wet and humid but positively shorts and sandals weather. Being poorly traveled for the past 19 years of my life, I saw a palm tree for the first time in this town, at a gas station. I also noticed for the very first time that you could buy a ridiculously large amount of BEvERages right at a gas station. I refrained: the wet, slick road and one too many bridges to cross presents quite a bit of danger even when slightly tipsy.

Jacksonville, Florida

In my previous installment of Adventures, I mentioned that we really had no goal for going down south. That is not entirely true. Florida was always the state of final destinations in the back of my mind. I just didn't want to set myself a goal that I could potentially fail to accomplish, so it had not been explicitly advertised.

We made it into Florida a little past night-fall. The tall palm trees lining the sides of the highway made me jitter a little in my seat. The weather is a beautiful 20 degrees though the sun is nowhere to be seen. The first city we hit up, Jacksonville, has a gorgeous waterfront. Strangely, the strong shoreline wind does not seem to disturb the calmness of the water.

We decided to not sleep on the street anymore for comfort and hygiene purposes. I called a few motels, one in particular seemed like a winner due to its downtown location and ridiculously low price. We drove to the place optimistically, only to be greeted by a gentleman behind what appears to be a bulletproof glass window.

We started filling out the paperwork and showed him our ID.

"You are not from Jacksonville?" the gentleman questioned.

"No, we are road trippers from Canada!" I proudly said, with the widest smile.

"This is a high crime area," the gentleman's heavily accented voice turned quite grave and handed us a card through the narrow gap under his glass shield, "go to this place." He might as well have said, "run as fast as you can and don't come back."

We ran back to our car in fear of getting shot within the 20-foot distance, locking ourselves in. I noticed a malicious-looking man looking down at us from the second floor balcony. The gentleman who advised us to get the hell out of this place went up and exchanged a few words with him, probably on the subject that we are mere foreign tourists, not anyone worthy of his attention. This experience should probably have taught me to never trust inner-city motels, but it took another similar experience to really make the memo stick.

Daytona Beach, Florida

Daytona 500 ended the day before we got to Florida, according to the friendly people at the Jacksonville inn we ended up spending the night in. This made me want to go see Daytona Beach. The town's quite empty since race fans all packed up and left, but you can taste the tourism in the wind. It's a windy



Sylvia stands on Daytona Beach in Miami. The harsh ocean almost stole her sandal.

place alright: on the beach, I could hardly open the door to my car or close it afterwards. Although the temperature is above 20, the wind made it quite chilly. I must have been quite odd looking standing on the beach, in shorts and my Waterloo Engineering leather jacket. I'm sure my jacket enjoyed the sandblast. It feels that much more supple now.

The beautiful white sands of Daytona Beach have a way of trapping you in, literally. We learned the hard way that driving on sand is nothing like driving on snow. Being cocky Canadians, we thought we had beach driving by the wrist, but how wrong we were! We became the tourist attraction while trying to make a U-turn and getting stuck more and more in the sand. Reversing and driving in low gear only seem to dig ourselves in more. Luckily, four gorgeously-tanned and hunky lads came to our rescue and pushed us out. They must have a good chuckle afterwards. I try not to think about the embarrassment anymore.

Miami, Florida

Miami is where "Interstate 95 ends and the fun begins." I credit the Cubans for bringing their love of nightlife to Miami. In the evening, every roadside cafe seems to be filled, and Latin music can be heard on every street. We hit up a free David Fernando concert by chance at a bayside evening carnival. This 'Rumba Latin Jazz' guitarist hired some provocatively draped ladies to stand stiffly behind him on stage, but to me, his music was much more fascinating than the ladies. I couldn't help but

started dancing on the street.

Miami beach at night was completely empty save for a pair of young lovebirds looking out at the Atlantic Ocean. Mr. Windsor and I took off our sandals and enjoyed a good blast of the waves on our feet, while both still in leather jackets. The water was surprisingly warm, probably because the unsubmerged parts of my body were getting a good blast of the winds instead.

We went back to retrieve our sandals, but one of mine was missing. I thought I lost it to the Atlantic Ocean and had to hop back to the car. However, you can always rely on luck and someone with 20-20 vision to rescue you. Mr. Windsor spotted it about 10 feet away a few minutes later. I'd like to think that the ocean took pity on me.

Another round of motel searching took place. Most inns in Miami are out of our price range, and one motel ended my quest pretty soon. Motel El Eden made it clear that it only takes 2-hour guests, no overnight stays. This, combined with the Jacksonville high crime area experience, made me give up on all motels in the same area. Fourty minutes down south, we found affordable and safe lodging (and Internet) in Florida City. I will never waste effort looking at inner-city motels again.

Next Installment: Down South Some More and Back Up Again

Make sure you pick up the next issue of the Iron Warrior to continue following the adventure down south!

Waterloo Cases in Design Engineering (WCDE)

WCDE is a group in the Faculty of Engineering that converts **work reports** into **Engineering Case Studies** for use in Engineering courses.

Work reports submitted electronically are worth **seventy-five P**5 points!**

cases.uwaterloo.ca

Sample Case Studies

All first-year concept courses are using these cases:

Hydro Quebec

- Alternative Energy Sources

Engineers Without Borders

- Alternative Drinking Water

Other cases currently in use include:

- Foot Brace Design

Irishman: The Ultimate Guide to St. Patty's Day



CHAD SEXINGTON
3.5N
MANGENEERING

Hey Sexy Readers,

It's nice to know that some things never change. Though the days may roll on, and friends might come and go, certain traditions remain alive. On that note, lets talk about one tradition in particular. It's almost my favourite day of the year! It's almost time for the most exciting, best, happiest, funniest, ridiculous day of the year! No I'm not talking about IRS or Columbus Day. That's right, St. Patrick's day is right around the corner. Break out your green pants, your green food dye, and stock up your fridge, because this one's going to be LEGEN-wait for it...

At any rate, as engineers it's our job to celebrate this day to the fullest. Did you know that St. Patrick is the patron saint of

engineers? Well if you didn't, you do now. Did you also know that UW administration happens to have put their open house on the same day? Do you know what this means? It means that you don't have class that day that's what. So there is no reason for you to not be doing this right. Without further digression (and following the trend of my last few articles) here's how St. Patrick's day gets done Chad Sexington Style:

First we get the day started right. Pants are not worn until it is time to go out. Green Breakfast is had including bacon and eggs with green food colouring, shamrock shaped pancakes made from scratch, and if available, steak. Irish coffee is the breakfast liquid of choice. Traditional Irish music is played at maximum possible volume at the earliest possible hour. Dancing ensues.

Next, Pants of the appropriate colour or a kilt of the appropriate pattern is donned, along with as much green apparel as is necessary to ensure pinches are not conducted. Voicemail is changed to "I can't take your

call right now, I'm Irish" and the bedroom is drunk-proofed for an inevitable glorious return.

Taking full advantage of the buddy system, a friend is enlisted to ensure imminent good times. This favour is reciprocated for that friend. It's leave-no-buddy-behind on this day, so make sure you've picked one with stamina. Earliest possible entrance to the favoured establishment is attained. Preferably one with pub food and live music. The most acceptable location to sit and enjoy music, festivities, and carousing is claimed. A new-years-eve style countdown is started 10 seconds before 11:00am. The free-for-all begins.

Beer, food, and good times are consumed equally and copiously. Singing and/or dancing with sexy ladies may also be in order. Under no circumstances will the song 'Danny Boy' be sung. This is a funeral song, not a drinking song. New friends are made at every opportunity, merciless pinching is dropped on anyone dumb enough not to wear green.

Should premature ejection from said favoured establishment occur, adventures should be had. This includes, but it not limited to: obtaining food, getting lost, finding exciting house parties, entering said house party, getting ejected from said house party, losing of pants. Finishing of 24's at home is acceptable if you are too broke to venture out. Eventual return home, usually around daybreak, is recommended. Water and sleep are to be ingested before rising to meet a new day. Green apparel is washed and stored for next years festivities.

Try any or all of these things this St. Patrick's day and you're almost sure to enjoy yourself as much as any other carouser. March 17th only comes once a year, make sure you make the most of it.

Oh...Still waiting for it? ...DARY
Until next time,
Stay Sexy.

Got a Question for Chad? Email: Questions4Chad@gmail.com

Disassembling the Xbox 360



JON MARTIN
1B CIVIL

After the DVD drive on my Xbox 360 failed, not a Red Ring of Death error (RROD), I was presented with the dilemma of having a broken system out of warranty. So I did what any console owner would do – take it apart.

Now, I am not promoting voiding your warranty or doing illegal modifications to your system. There are many cases on the Internet of people modifying their system and getting banned from Xbox Live. Microsoft has ways of monitoring the internal power usage of the system and can permanently render your system incapable of ever connecting to Xbox Live again – you have been warned. My own system, purchased on November 22, 2005, is now completely out of warranty, even the extended three year warranty for the RROD error, so

that is my excuse. Now, on to the dismantling.

The first step is to remove the external faces of the system, starting with the front faceplate. The faceplate is meant to be replaceable, so just pry it off, starting at one end and proceeding to the other. Next, take off the grey vent pieces on the sides. These are attached by tabs, which can be pried apart using a flat screwdriver. Now comes the difficult part, separating the white plastic shell. The system is held in place by tabs at the back and front, which must be separated using a separator of some kind (mine is viewable in the photos). The ten tabs on the back must all be pressed in at the same time to unlock the system. Once you cut the sticker on the front and separate the shell – Congratulations, you just voided your warranty.

Remove the plastic bottom shell to expose the metal case, and the 13 screws that hold it together. Four of the screws are around three inches long and attach the top shell to the case, while the rest hold the circuit board to the metal case. Re-

move all of the screws, the top shell, and turn over to expose the internal guts of the system. As a side note, I found it interesting how much space the plastic shell takes up, adding about one inch to all three dimensions.

Alright, you can now lift the DVD drive out (unplugging the power and SATA wires), be sure to watch out for the drive button, which can just be pulled off. The plastic piece funnelling heat to the fans is easily lifted out, followed by the fans themselves, which are plugged into the motherboard. The Ring of Light circuit board is attached to the front of the case with three screws, and attaches to the motherboard with a plug. You can now lift the motherboard out of the case. Congratulations, your system is now disassembled!

What you do with your system now

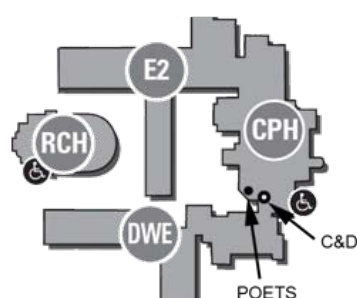


is up to you, don't blame me for anything that happens. If you break out the soldering iron and fry the motherboard, don't complain to me. My repair mission now includes obtaining a replacement DVD drive, possibly replacing the fans, and creating a new case. Don't try the "12 Volt" mod, which involves installing a larger fan and tapping into the system's main power supply. This is one of the easiest ways to get your system banned from LIVE.

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!

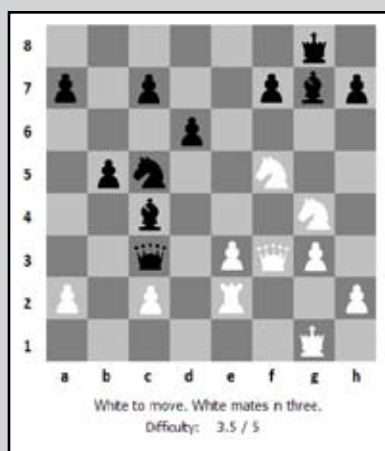


ENGINEERING SOCIETY



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

Last Issue's Solutions



Answer:
white black
1. Qa8+ Bf8
2. Ng4-h6+ Kh8
3. Qxf8++
The bishop cannot take the knight after Nh6+ because it is pinned by the white queen on a8. Nh6+ is
Doing... 2. Nf6+ instead of Nh6+ would result in the black queen capturing the knight, thwarting the checkmate.

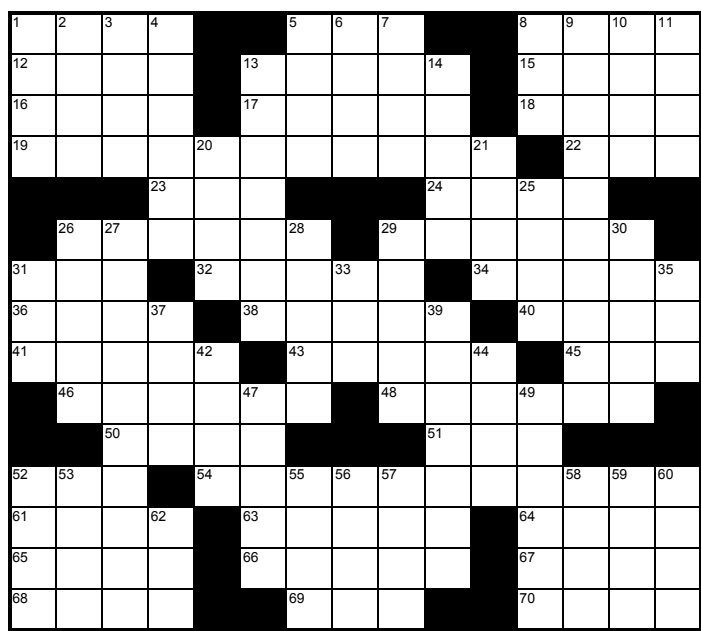
S	P	A	S	M	S	P	A	S	D	R	O	P	
P	A	S	H	A	L	A	N	E	H	U	R	L	
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			T	R	I	P	F	U	S	I	O	N	S
F	E	S	C	U	E	T	A	L					
U	C	L	A	S	P	O	T	L	E	S	S	L	Y
S	H	A	K	O	E	R	A	S	I	L	O	A	
S	O	M	E	R	S	A	U	L	T	N	O	R	M
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I	D	E	A	T	E	B	E	L	F	R	I	E	S
L	E	T	S	O	P	E	N	F	E	R	M	I	
O	M	I	T	N	I	L	E	I	L	E	U	M	
S	A	S	S	E	E	L	S	N	Y	S	S	A	

This could be your competition on interview day...
Buy your loathed ones a pie in their face today (for a good cause)!

\$5.00, CPH Foyer
March 9-13 @ lunch

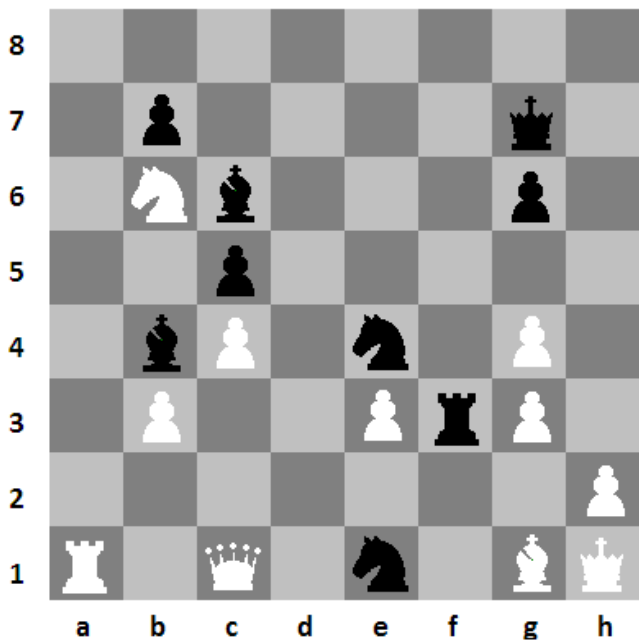
The Iron Crossword

SAMREEN ALIM
4B ELECTRICAL



Chess

ROB GRAHAM
4B COMPUTER



Black to move. Black mates in three.
Difficulty: 3.9 / 5

Crossword Clues

Across

1. Common Animal Hybrid
5. Housing Acronym
8. Bite
12. Canadian Entertainment Channel
13. Many units of three
15. French mother
16. Roof Edge
17. Ancient city of Sicily
18. The baby boy Care Bear
19. Threatening with capture
22. Little person
23. Bill
24. Moveable panel
26. 88-keyed instruments
29. Ghost
31. Possible Result of 54 Across
32. Pitched
34. The face that launched a thousand ships
36. Official language of Pakistan
38. Sometimes a holy object
40. Slang term for BMW Mini
41. Action to make textiles
43. Under way
45. ___ for Tat
46. According to the clock
48. Aerosols
50. Spanish appetizer
51. ___-Yang
52. Abbreviated neck muscle to flex and rotate
54. Coitus
61. Literary Art
63. Small Country which gained independence from New Zealand
64. Greek word for body
65. ___ Nicole Smith
66. A French hairstyle
67. Revise
68. Groupings
69. Unclean abode
70. Wimbledon has 5

Down

1. One million seconds (abbrv.)
2. Home state of the Jazz
3. To wash (French)
4. Make (2 words)
5. Measured in acres
6. Relationships with Paltrow, Aniston, & Jolie
7. Tall Italian footballer
8. Coordinated Time (abbrv.)
9. No Declared Bias
10. Toronto CFL Team (Sing. Abbrv.)
11. Direction
13. French Drum
14. Beaches
20. German Philosopher
21. Pop culture sub-type
25. Old Testament Raven
26. Second Largest city in Portugal
27. Formally charged by a criminal offence
28. Secret operator
29. Spanish Farewell
30. Weak in linguistics
31. System usability scale (abbrv.)
33. Will Ferrell Movie
35. Louse
37. James Franco's University
39. Mimicker
42. Arizona Native American tribe
44. Singular 13 Across
47. Can't in Old English
49. Bums
52. Roman Baths classification
53. Ice cream holder
55. Terrain awareness and warning system (abbrv.)
56. Exude
57. Pinkish
58. Previously travelled
59. Dutch version of Smith
60. Ingestions
62. Milliampere-second

Be the first to complete the Iron Crossword or the Chess Puzzle and win 50 P**5 points for your class!
Submit completed puzzles to the P**5 box located inside the Orifice after being time-stamped.

profQuotes

"Every shaft problem is a bending problem."
- Hamid Jahed, MTE 219

"Forever is a very long time, especially towards the end."
- Robert Andre, Math 118

"James Cameron originally had 'Titanic' 12 hours long. Strangely it still felt like it was that long in the final cut."
- Simon Wood, Music 246

THE IRON INQUISITION

Angelo Alaimo, 2A Electrical

How Should The *Iron Warrior* Respond to *Imprint's* Challenge to 'Bring it'?



George Rizkalla
4B Computer
"To the *Imprint* Editor: 'to' is a proposition. 'Too' is an adverb. I know, it can be confusing"



Tyler Gale
4B Geological
"*Imprint* makes good paper mache during frosh week."



Thomas Uniat
4B Electrical
"Put on a chicken suit and go all *Family Guy* on them."

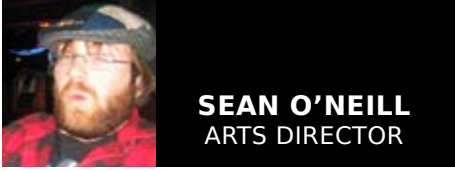


Shawn Tariq
2A Electrical
"Does anybody actually read the *Imprint*?"



Alex Hogeveen Rutter
2A Electrical
"Who cares?"

All Your Art Are Belong To Us!



SEAN O'NEILL
ARTS DIRECTOR

Why Hello all you artsineers!

Its been a while, but we've had some great artistic developments since last time. Check out our Arts Board across from the multimedia lab for the excellent photo contest submissions over the past 8 weeks. There's also great poetry up, some from our very own UW students! On February 6th we had a the POETS POETRY SLAM which was a rousing success. Congratulations to Eric Blondeel for his first place PDENG inspired poetry. We heard everything from classical pieces by famous poets, to song lyrics (thanks for the rickroll guys) and to improvised rhyming limericks. Our short story contest is now closed, and though the stories are still being compared and evaluated, here's a story

that Chris Jamieson of 4B Comp sent in:

Once upon a time there was a guy and a girl and they lived happily ever after. The End.

Our first art-attack lunch was also smashingly well populated. Popsicle stick mayhem ensued, with many creative structures and interesting constructions being produced. Some are left on the counter in the Orifice if you want to collect yours. Check out our next one to do a little bit of colouring book action.

To end off, don't forget to look at the photo spread for the recent winners of the photo contests from the past few weeks, they're really something!

Until then,
Keep pouring your Art out.



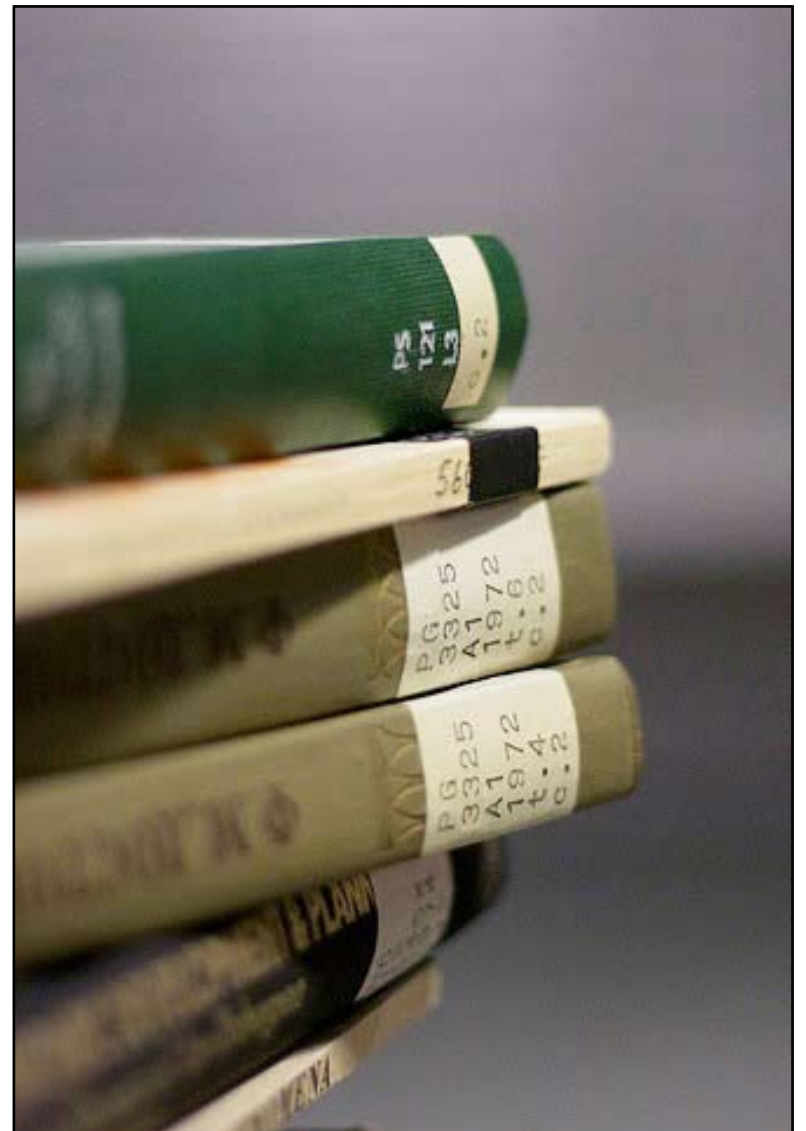
Week 4 Winner: Dan Westerbaan- Skyline



Week 6 Winner: Angelo Alaimo - 2A Electrical - Orton Slide Sandwich



Week 7 Winner: Daniel J. Lewis - 3A Nanotechnology



Week 5 Winner: Micheal Seliske - 2A Comp - Books

Email submissions to:
artsineer@gmail.com

Check out this week's photo challenge on the arts bulletin board between POETS and The Orifice (CPH 1323B)