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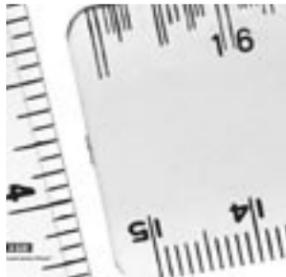
the IRON WARRIOR

THE NEWSPAPER OF THE UNIVERSITY OF WATERLOO ENGINEERING SOCIETY

VOLUME 27 ISSUE 14 | WEDNESDAY, NOVEMBER 1, 2006



One Man's
Destruction,
Another Man's
Art
Page 5



The Ultimate
Showdown:
Imperial vs. Metric
Page 7



Universal
Hip-Hop
Page 9

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MOT Big Success, Janitors Left Confused



Who You Gonna Call?...I'm Calling Steve



There was Standing Room Only in POETS on Friday



ERIC MIGICOVSKY
SENIOR FASHION
CORRESPONDENT

Last Friday was the official "Middle-LO'-Term" party down at the ever-versatile Engineering student lounge, POETS. Upwards of 100 fully costumed and semi-intoxicated young merrymakers joined forces to celebrate the grand finale of several weeks of midterms. POETS itself was fully dressed up, cleverly disguised as a Hallowe'en-themed student pub complete with a multitude of pumpkins, Bar Services, and lots of orange streamers. The supreme dedication and stick-to-itiveness of the EngSoc Task Team were the key instigators in the decoration process.

As revelers arrived and passed through intensive IDing procedure, several of the dedicated school janitors happened to be passing by and noticed, to their great amusement, some young men who had taken it upon themselves to dress up as a pair of brides. This image, combined with the sheer volume of other hilarious costumes, proved to be too much for our kind janitors, who were doubled over in fits of laughter. This reporter doubts if they will ever be able to regain whatever respect they may have had for certain members of this Engineering community.

Back inside POETS, the party was thumping with the presence of all three Ali-G personas (Ali-G, Borat and Bruno),

Jay and (not so) Silent Bob, Wayne from Wayne's World, and more than enough hot cowboys/girls, pizzas, doctors, and traffic lights to go around. The most celebrated costumes of course were the prize winners of the evening. The most famous twins in the 4A class went as a Ghostbuster and a fully-featured All Terrain-Scout Transport. Kudos is due to those with that much time on their hands.

As usual, our mighty TOOL made an appearance, though it did not decide to

go in costume. Instead, the Cool Bearers bore masks of great anguish and terror. As is now the tradition, a quick preview of what might show up on the EOT video was played. If you happened to miss it, the trailer can now be found on YouTube, if you are so inclined. Finally, the evening finished off with the unveiling of the midway point P**5 standings, led by the proud and smirking 3B Comp class.

Until EOT, keep on trucking Waterloo!

Save the Symphony!



His Other Costume's an ATAT



Chris Metaxas Brought More Cowbell



MARK HAZLETT
2A CHEMICAL

For those of you who don't read the Imprint or the KW Record, and thus have little or no grasp of local events, the Kitchener-Waterloo Symphony is having some financial difficulties this year, and needs our help. Now I know that some of you are probably thinking something along the lines of, "if the symphony can't support itself, then there obviously isn't enough of a demand for a symphony in KW." Or even, perhaps, with a perplexed look on your face, "there's a symphony in KW?"

The first of those, normally, would be a perfectly valid statement, until all that the symphony gives to the KW community is noted. From fostering high school



Anita Walsh, Principal 2nd Violin

music programs, to running events for local charities (i.e. food banks), to running small group concerts in region hospitals

Continued on Page 11
see Symphony

A Letter From Your Iron Editor

A Little R-E-S-P-E-C-T



JACLYN SHARPE
EDITOR-IN-CHIEF

Respect is not something very often encouraged or valued in today's society. Those people who show the most respect for all parties are accused of being prudish, or "politically correct". However, there are a few cases where respect is important, and I would like to address some of these. First off there are the disrespectful phrases that have become common to our hallways. There is also the ever popular Women in Engineering aspect, and don't forget the Frosh. Finally I'll rant a little bit about the class-professor relationship.

Many people use derogatory or disrespectful expressions in everyday conversations without even realising the impact of their words. Adjectives like "gay" and "retarded" are common and can be hurtful to people who are themselves homosexual or have learning disorders. Not to mention the fact that though the people one is talking to may not necessarily be personally offended, they quite likely will think that you are insensitive and loose respect for you.

A disturbing trend among many Waterloo engineers is the use of the verb "rape" in reference to exams. This is sickening because it shows a blatant disregard for the <insert surprisingly large statistic> of women and men who are sexually assaulted at some point in their lives. Sexual assault is a traumatic experience and something that the victim will have to live with their whole life. It is not something to be taken lightly. I challenge everyone reading this to cease and desist using this word inappropriately, immediately. I challenge you further to stand up to people who do use it, and ask them to join the cause. I have started a personal campaign, inspired by my housemate, to slap anyone I hear using the word "rape" out of context, and so far have made great strides. Thus far I have only had to give out warnings. I need others to join me if we're going to stamp this out. Only raising awareness will expose this disgusting phrase for what it is.

One cannot discuss respect and not at least mention Women in Engineering. Though I believe that there is not a terrible lack of respect for Women in Engineering, there are a few issues that should be mentioned.

The new Men in Engineering (MIE) group is not inherently disrespectful to WIE, though it holds a lot of potential. The concept of Men in Engineering is hilarious, because it's absurd to have an

organisation devoted to making the largest majority in engineering feel comfortable. However what is disrespectful to WIE is the handful of guys who pound they're desk in approval and appear to genuinely be excited about the pseudo-support group. As it stands, MIE is taking a self-mocking satirical approach to the whole thing by playing up the male stereotypes, which is actually quite respectful.

Individual women in engineering face a challenge everyday of putting up with not only a male dominated environment, but a male inundated environment. And though many guys are respectful of they're female counterparts some unfortunate circumstances remain. Of course it does depend on your definition of respect, some girls find it disrespectful if a door is not opened for her, though I personally am of the opposite opinion and find it disrespectful if a guy will not allow me to open a door for him or myself. Furthermore women have to put up with the sexual innuendos (and not so subtle jokes) made by their peers.

And how can one discuss respect and not mention frosh. Respect goes both ways and the Frosh-Upperyear relationship is no exception.

Many frosh complain of receiving dirty looks when they are observed doing stupid frosh things, such as misusing the binders in the orifice or asking if the C n' D accepts Interac. It's important to remember that a long, long time ago you too were a frosh and didn't know the engineering hymn by rote. Instead of turning up your nose, why not help the less fortunate and maybe you'll make a new friend while you're at it. Frosh also have their uses, and are often valuable to keep around. They are usually inexplicably cheerful and full of energy. Their inexperience and naivety can come in handy, for example frosh can easily be coerced into fetching food at EngSoc meetings.

While Upperyears must be reminded to treat frosh with more respect I feel obligated to encourage frosh to treat their older peers with more respect as well. I'm not saying that Upperyears are superior in intellect or even deserving of adoration, but they have definitely been here for longer than you, and that counts for something. Upperyears are generally grouchy and set in their ways; what they don't want is a bunch of young kids running around their lawn telling them what they're doing wrong. If you see something you want to change, write it down in your diary and then sit back and observe. This will spare you the embarrassment of trying to change something that a hundred other people have already tried to change. If in a year, when you are no longer frosh you come back to the suggestion, and it still sounds like a good idea, at least you'll have the weight to be taken seriously.

To avoid attracting stares when trying something new, a good way not to look like a n00b is to read any instructions you can find (this will obviously mark you as a n00b, so try to do it covertly). Something that you'll find is that when people get asked the same questions persistently they will tend to hang signs displaying the answers around where they are normally asked. If after reading the instructions you still aren't sure what you're doing, don't be afraid to ask. If all of this fails and your ineptly bound workterm report is coughing out pages onto the orifice floor thank the Upperyear who comes to your aid, but for god's sake do not get puppy dog syndrome and start following him around.

Last, but not least there is the subject of respect in the classroom, or lecture hall. There are three main respect relationships in the classroom: student to class, student to professor, and class to professor.

A student gives his class respect by not asking ridiculous questions during lectures. A question is appropriate to ask in class if: you're neighbours cannot answer it, at least one of your neighbours also wants to know the answer, and the Prof has not spent the last 5 minutes discussing something else entirely. If your question does not meet all three of these criteria, make a note and ask the Prof after class. There is nothing more annoying than the have a professor interrupted in the middle of making a key point to be asked what that squiggle over there (no your other over, more, up a bit, yes there, above the alpha, no down a bit...) on the board is. A student also shows his class respect by not coming to class severely ill. Of course this cannot always be avoided, but great care should be taken on behalf of the sickly student to muzzle his illness. Heavy medication and good hygiene are very important to keep from distracting your classmates.

The student professor relationship should also be one of respect. Trying to show up a Prof in class is never a good idea. Pointing out spelling mistakes on the board, or obvious typos not only is rude and annoys the class, but it distracts the Prof as well and often causes him to lose his train of thought. Students should also be able to recognize rhetorical questions by this point in their education and should refrain from answering them. So as not to disrupt the teaching plan students should also be aware of when they are jumping the gun. This occurs when students figure out where the Prof is going, and instead of allowing the rest of the class catch up to the ideas being presented, give away the punch line.

The class should also respect the professor. During lectures the class should be quiet and attentive. Sleeping in class should also be kept to a minimum, or at least kept to the back of the room. Even if you don't have an excellent professor, keep in mind that he probably dislikes teaching as much as you dislike being there, be cooperative and supportive and your time will pass much more quickly. Coming in late is another all too frequent sign of disrespect.

Congratulations! Instead of providing a concluding paragraph, this last paragraph will be a test. If you are reading this please let me know in person or in writing at iwarrior@engmail.uwaterloo.ca, subject: tenacious. Thank you and good night.

Got something that needs to be said?
We value your feedback. Email us
at iwarrior@engmail.uwaterloo.ca

the IRON WARRIOR

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Written by...

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Insyde Peenut Budda Outsyde Jelli



Dear LowRider,

One of my 16 roommates is really pissing me off. He wakes up at exactly the wrong time every morning and takes the longest showers ever. Everybody else is waiting naked in the hall trying to make 8:30 class. Right when I need to clean up for another day of Waterloo Engineering he takes like a 27 minute shower. To top it all off he brushes his dirty yellow teeth for about an hour and a half with his fancy laser toothbrush. How can I remedy the situation?

~Guy that lives across the hall

Dear Native,

It may simply be that you take showers that are inadequate for proper cleansing. Keep in mind that your roommate is probably twice as tall as you with significantly more muscle. This adds up to a lot more surface area junior. When you live in a shit hole, you had better scrub down with bleach twice daily.

Rethink your personal hygiene dirty.

LR



Dear LoweredRyder,

Man I'm pissed off. See I have this very manly truck. Its very big and very white. I just bought it to flex my wannabe cowboy ego. I'm so big and tough and cheap that I park illegally in the Philip Street townhouses parking lot. To top it all off, somebody is messing with my man truck. Every single day some idiot lifts up one of the windshield wipers. I come back after a hard day of engineering chemicals and one of my wipers is pointing at the moon. It makes my man truck look like the Barbie mobile. I'm afraid that this repeated cycling of the mechanism is going to wear out the high performance spring system. Boy... am I ever mad. I'm so mad I'm going to practice my shitty form two stepping.

~Albertan

Harrison,

The windshield wiper bandit has struck again. I had this problem for quite a while until I installed laser guided flame throwers on the lowrider. Whenever anything comes within 2 feet it shoots flames out the fenders. It cooks just about anything instantly. Just wait until the winter. When

you flip them up to prevent freezing this ass when probably put them down. God, I hate bastards like that. Let's form a coalition against windshield wiper bastards.

I think you're problem is your truck. Who considers a white ford ranger with a teenie weenie engine a man truck. White? Come on now. Everybody's got a Chevy. Built GM Tough.

LR

Dear _LR_,

LowRider is a person!? For a long time I was under the impression that these response letters simply materialized from the dark depths of space solely for the purpose of comforting small, lonely computer engineering frosh that were given two 'plastic balloons' in their frosh kit, which they have no idea what to do with. Upon the discovery that these letters were actually conceived of by a human, I became enamoured with the idea and knew that one day, I must carry on the long Systems Tradition of wearing the BANDANA and encouraging Groupie Fan Chick clubs to expand.

There are several particular reasons why I believe I would be a prime-rib candidate to continue on in your large footsteps. Primarily, I think the fact that, when at home, I roll in my 1989 Volkswagen

have the presence and renewable spirit to ensure the future success of the position for all times to come.

To sume up, I can feel that LowRiding is in my future and every second ticks closer to the eventual time when I might be able to continue the proud and noble tradition of the BANDANA. I have the skills, and I have the technology, I can do this.

Thank you for your consideration,

~e

Dear Colour Coordinating Engineering Student,

Yo. Those frosh balloons were like super strength. I remember blowing them for my little sister for her birthday. They are really hard to blow up though. For some reason the ones I got were really slippery with some funny texture.

So you want in eh? First sentence is a run on sentence. Second, you spelt enamoured wrong. Other than that your grammar is so bloody perfect. You may have actually passed the ELPE without cheating. Not impressed. Your application reads more like a novel than a freaking job / lifestyle application. You need a battling average of 1 to be considered. Do you not understand the responsibility that LowRiding demands?

The Westfalia is dope. You've got the technology. That pretty much covers up for all your boo boos. The staffing would not be an issue with my reputation. You suck.

LR

Dear LowRider,

I am going to be the next LowRider. Why you might ask, how could he so brazenly state that he is going to be the next Low - Rider, this jack ass doesnt even have a car of his own. Despite my lack of an actual Low Rider, unlike yourself, and may I say it is a pretty awesome 'low rider', but back to my point, despite my lack of a low rider of my own, I do have some of the pertinent skills that it requires to be the next Low Rider.

Firstly I am not afraid to speak my opinion on a matter, this is illustrated below in a little rant I have had about elevator buttons:

"So one morning I was there waiting for the elevator, I press the button. To my surprise this guy next to me comes up and presses the button again, its like he though I did not press the button good enough or something. I was a little confused, but brushed it off. So the elevator did not come in the next 20 seconds, so he proceeds to press it again, and then again, and then again. I think he pressed the button about 6-8 times. So I start thinking to myself, maybe he thought there was a secret circuit that only got activated if you pressed the button 6 times. If you pressed it those six times another function would activate and send the elevator directly to that floor, ignoring all other stops. Here is a news

flash, there is no other such circuit!"

In this paragraph it can be clearly seen I have the required insight into many human situations seen in everyday life, and pick out the hilarities in them. It can also be seen that I have the required ability to aptly tell a story and captivate a readers interest.



Secondly, I have the outstanding physique and sense of style required for the next Low-Rider, including quite a few bandanas. As seen in the "attached" photo below, my back is in impeccable shape, you should now be all waiting in deep anticipation for a chance to see my front.

Lastly I am in Systems Design engineering, quite possibly the greatest engineering discipline ever devised. It has everything, we can do anything that any other department can do, therefore I can sure as hell be the next Low Rider.

~s

Dear Colour Coordinating Engineering Student II,

If you ever fill my inbox with naked pictures of yourself again, I will have you deported. My secretaries have for some odd reason taken a liking to you.

You need a car you poor ass student. Buy an old jetta, remove the springs and drive it around dragging frame shooting sparks everywhere. Done.

You're so cool. You can tell stories. You write notes on facebook. Not only that but then you reuse material in your formal LowRider application. Minus ten points. Be original swan boy. I must admit though, published all these crappy applications has made my life a lot easier. The column pretty much writes itself. Next...

LR

Dear LowRider,

I'm having trouble finding the meaning in my life. I heard that you're taking this course about the quest for meaning in the modern world. Please guide me before I end up driving a honda civic at the university of toronto.

~Wanderer

Dear Lost Soul,

The meaning for life is quite simple my son. The idea is reproduce fast enough before you get eaten. Maybe have a beer or two along the way. That's real deep.

LR

'til next time kids, keep it low

Have a problem? Need advice?
Email LowRider at
uw_lowrider@hotmail.com

Girls in Engineering

MARY ROBINSON

CANDIDATE FOR MASTERS - CHEMICAL

Saturday October 14th 2006 was cool and rainy, but the weather didn't dampen the spirits of the participants in the second annual Go Eng Girl! Day. Nearly 130 grade 7, 8, 9 and 10 girls from local schools arrived at UW for a day of fun and learning. The day started with a welcome and an address from UW Associate Professor and Associate Director for the Center for Pavement and Transportation Technology, Research & Technology, Susan Tighe.

After a brief coffee, juice, and cookie break, the girls moved to the hands-on activities. The parents stayed behind to learn more about how to balance a successful career with family life, tips on how to encourage their daughters to stay in math and science, and possible career options for their daughters from engineering graduates and faculty.

In their hands-on activity, girls in grades 7 and 8 learned about the hazards of living in an earthquake zone and what makes a building come crashing to the ground. Next, the girls learned about the role of the engineer in such a region – to make buildings that can withstand earthquakes while still being cost effective. The girls formed groups and set about the challenge of creating a structure that could withstand the earthquake generator's wrath at the lowest cost. The winner was a marvel of duct tape, string, and straws, costing a mere 305 UW dollars! Congratulations to all participants – the structures were fantastic, from high



rise buildings to bridges and everything in between, complete with cars, people, and pets.

The girls in grades 9 and 10 were introduced to the topic of airbags, which included the basics of chemical reactions and Newton's Laws. The girls participating in this workshop also discussed the roles of engineers in recent advancements to car safety and the engineer's role in protecting society. Then, the fun began as the girls created their own airbags and tried to find the perfect balance of soda to vinegar to inflate the airbag. There were a few pops along the way as the girls worked out the proper ratio of ingredients.

After showing off the accomplishments to their parents, all were treated to lunch. The afternoon gave everyone a chance to mingle, to learn about life as a student in engineering and some of the job opportunities. Girls and their parents were introduced

to some of the programs and groups that operate out of UW Engineering such as Engineers Without Borders (EWB), Engineering Science Quest (ESQ), and the Engineering Society. Some of the sponsors such as Bantrel and RIM were also present, meeting with future employees and handing out goodies.

A big thank you goes out to everyone involved in making this year's Go Eng Girl a success – the organizers, the volunteers, the sponsors, the girls and their parents. If you would like to get involved in similar activities, check out Women In Engineering at www.eng.uwaterloo.ca/wie/.

Adventures with EWB

DARCY PARKS

2B SYSTEMS

Engineering at UW is full of adventures. Some of them are scheduled three times a term. Others have been described by Dangerman in this very newspaper. If you feel like expanding your horizons, you can even leave Waterloo for a while and go on exchange. But there's one adventure more extreme than the rest: Adventures with EWB.

For those who don't know, Engineers Without Borders is one of the biggest student clubs on campus. With chapters across the country, EWB works in developing countries to promote human development through access to technology. The UW chapter runs tons of events, from its biweekly General Meetings and SWAT meetings to barbeques and trick-or-treating events. However, there's one thing that gets a lot of talk. It's called the Junior Fellowship program.

This program gives select students a chance to experience not only life abroad, but to understand the conditions of those living in extreme poverty. Every summer, a few people are chosen from each chapter across the country to participate in the experience. This past summer, EWB-UW sent three students: Ben Best, Megan Campbell and Cat Denis.

Ben spent his summer in Ghana, working with a group called Africa 2000. Based in Tamale, a large city in the northern region of Ghana, he worked on a number of projects. He began at a training centre for women's groups who produce shea butter. The butter can be used to create soaps and products like skin moisturizers. He moved on to a community development project using an approach called Asset Based Community

Development, an approach used to spur community development. Instead of traditional problem solving, ABCD uses tools like appreciative inquiry to help people realize their assets and use them in development. He also spent some time living in the village of Nwodua, learning about the struggles and successes of a tree nursery project.

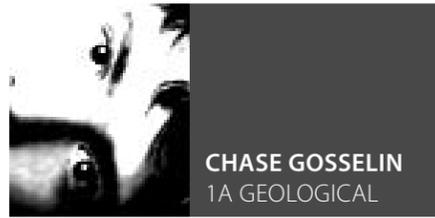
Megan worked in the Philippines, working with a project named Sharing Computer Access Locally and Abroad. SCALA is a training program for out of school youth, helping them develop computer skills. "The job market is really competitive, even for jobs at the mall that would normally be done by students in Canada," she says. "Most of these jobs require a post-secondary education in the Philippines; for students who can't afford it, SCALA helps to give the necessary skills." EWB works with the Department of Social Welfare and Development to help set up the centres and train the teachers on the curriculum.

Cat's adventure took place in Mali. She worked with the Micronutrient Initiative, a group that works to address malnutrition by using techniques like food fortification and vitamin supplementation. Her work brought her to the communities of Sévaré, Bamako, Sikasso. She interviewed villagers to understand how well the program was working with them, to compare and evaluate the different techniques being used.

All three students have amazing stories to tell about their adventures. EWB's next event on campus is the Coffeehouse, at 6:00pm on November 2 in the ES Courtyard. Along with some awesome music, you'll have to chance to talk to Ben, Megan and Cat and ask your burning questions.

The light's supposed to be off?

An Introduction to the Darkroom



CHASE GOSSELIN
1A GEOLOGICAL

RCH 125, the darkest of dark rooms in the abyss of the submarine...No it's actually film processing darkroom. The Engineering Society has a darkroom set aside for use by members, who sign up, and is currently underused, underfunded, and neglected. The two hardworking directors (Chase Gosselin and Alia Rahman) are going to change the outlook of the Darkroom and make it a viable and functional directorship.

Many people seemed confused when the EngSoc budget was released and \$200 was set aside for the darkroom. So, here is the story. The darkroom is in major disrepair, and, previously unbeknownst to the directors, it is going to need a lot of TLC. Not only is there the need for new chemicals and supplies to properly prepare the solutions, but we also need supplies for proper development. The Darkroom is currently 'under construction' and will be up and running November 6th.

The darkroom, while having a membership process, has of late been doing very little business. While a \$15 membership per term is dirt cheap, as it pays for your chemicals for the term, the lack of enthusiasm for the darkroom has driven a reconsideration of its usefulness. The space is not allocatable to another use, as there is nothing else that would fit the space, and thus a change of the membership price is currently being considered. Since the membership fees haven't been driving much enthusiasm they may need to be raised for logistical sense.

Genius Bowl Cometh

GENIUS BOWL DIRECTORS

Now that midterms are finished, I know you are all eager to attend everyone's favourite quiz competition: Genius Bowl. Yes, it's that time again, folks. For those froshies who haven't yet heard of this event, it is essentially a large interclass trivia competition with large cash prizes for the top three teams. The winner also gets a trophy and the glory of knowing that you are the absolute smartest class in engineering - after all, what better way to objectively gauge intelligence than trivial facts. The competition consists of four general trivia rounds, one lightning round per team, and the Death Round™ (which may or may not claim your life).

It's all going down on Thursday, November 16th at 5:30 PM in RCH 101. There is no entry fee and there are six people per team, although you can have alternates and switch between rounds. The sign-up sheet is in the Orifice, so sign up

Correction

In the last issue of The Iron Warrior, the article titled "EWB 101" was written by Kyle Morrison (2N Systems). The article was incorrectly attributed to Darcy Parks. Sincere apologies to Mr. Morrison, and our readership for this error.

The problem is that raising the price of a cheap thing like the darkroom membership is going to drive down membership, which is virtually at zero. Thus we need to find out how to raise membership and keep the darkroom viable at the same time. My opinion is that a membership drive is more effective, and if we could generate interest in the darkroom a lower membership fee could be maintained.

The Darkroom isn't the greatest or largest one out there, but I think a lot more people would benefit from the experience than know it. Developing photographs by hand the traditional way is not only interesting and fun (yes, I said fun) but it's actually a rewarding experience. Think about how many people have digital cameras that do everything for them. They have replaced photographs with pictures; yes there is a distinction. A digital camera takes a picture, focuses for you, shows you what a photo will look like, and it even allows you to take a multitude of shots until you get it right. It's an idiot proof contraption that allows even the most challenged of a photographer to be an ace. With the digital revolution has also come an allowance that a generic photo is alright, after all I can store 350 photos or more, in one sitting.

A photograph should have a meaning, a purpose, it is designed to invoke emotion and when a photograph is developed from a negative it is created. Once a photo is created it becomes a piece of the person who developed it. Since many techniques are mastered in its development and because it must be made to the specifications of the person developing it, its not only unique but special.

Think about it, a photograph is a creation of the delineated personality of the creator, while a picture is a caption on the quality of the manufacturer. Thus photograph is an entity all to its own.

today!

Here are a couple of easy ones to get you warmed up:

Who has scored the most points in a single NHL game?

Who tutored Alexander the Great in Literature and Rhetoric?

Who was the first Czar of Russia?

Do You Have Something to Contribute?

Drop off your poetry, cartoons, drawings, photos and anything else artistic in the "Arts" box in the Orifice, or email them to iwarrior@gmail.uwaterloo.ca

Submissions may be published here in The Iron Warrior, and earn you valuable P**5 points for your class!



DAVID YIP
4A MECHANICAL

A Different Take on our World

Movies to Inform

Veteran contributor Dave has a look at documentaries that add to our perception of the world.

Manufactured Landscapes

Mongrel Media

Directed by Jennifer Baichwal

Canadian photographer Edward Burtynsky is a favourite of mine. His preferred subject is the landscape - not the pristine natural landscape of Ansel Adams, but rather natural landscapes that have been modified, re-worked, and re-engineered by people to meet their needs. "Manufactured Landscapes" is also the title of his latest book, exhibiting works from his recent forays into

tions, the movie fills in the background, showing us the interaction between the crew and villagers, the rush on the roads, and interview with an upper-class Shanghainese flat-dweller and contrasting it with the inhabitants of Shanghai's old neighbourhoods. Brief interviews take place between those depicted in the photos, and also some of Burtynsky's own insight into the trip and the photos.

The movie is perhaps the most obvious in what it omits - there is a decided lack of politics involved. Where contemporary

An Inconvenient Truth

Paramount Classics

Directed by Davis Guggenheim

"An Inconvenient Truth" is a documentary based tightly on the book of the same title by former US Vice President Al Gore. It presents compelling evidence to support the idea that climate change is a result of human activity, and that left unchecked, climate change will

profoundly change the world as we know it. Most of us have already heard the predictions - Manhattan and San Francisco submerged, more frequent and severe tropical storms, et cetera. The documentary divides its time between Al Gore's presentation on climate change, a presentation he has been making to audiences around the world, and reflections on his own

life and experiences growing up. For me the core part of the film was the reconstruction of the Earth's temperature through the carbon levels found in ice cores. Everything else afterwards - the snapshots of melting glaciers, monster hurricanes, and dried lake beds - was really just supporting evidence of the claim. Gore also addresses the common arguments presented by climate change skeptics, including "it's part of a natural cycle" and "we must sacrifice the environment for the economy".

In addition to the scientific aspect, Gore talks about the sociopolitical aspect as well. He claims that the vast majority of articles in peer-reviewed journals, compared to just over half of the articles in popular media, support the idea of anthropogenic global warming. He suggests this is a result of an interest in the government and business to sow doubt amongst the public. Along this vein he talks about the political influence on scientific reports, and the appointment of oil executives to head government environmental units. In an interesting turn, Gore compares the fight against global warming to the fight against tobacco use. Both are struggles for the greater good (public health and the freakin' planet, respectively), and both have big corporate opponents (Big Tobacco and Big Oil, respectively). There was "scientific" debate on both sides - we are seeing the climate change debate taking place now, and once upon a time the world saw

doctors endorsing tobacco as a health product. To us in 2006 it probably seems ridiculous now to think of tobacco as being healthy. Perhaps 100 years in the future it will seem just as ridiculous that, as one Senator mused, "global warming is the greatest hoax ever perpetrated on the American people".

In this movie, anthropogenic climate change is real. The choice is not whether

to believe it or not, but rather to act accordingly or not. It is interesting that many of the technical solutions already exist. There are gas and diesel-powered low-emission vehicles. According to the Environmental Protection Agency, if every American home replaced just one light bulb with an ENERGY STAR, we would save enough energy to light more than 2.5 million homes for a year and prevent greenhouse gases equivalent to the emissions of

nearly 800,000 cars. If just half of all home electronic products sold in the U.S. each year were ENERGY STAR qualified, it would be the equivalent of taking about 1 million cars off the road. Gore tallies up all these savings and comes to the conclusion that emissions could be reduced to below levels in the 1970s.

I should add on a personal note that for me the movie is preaching to the converted - I believe there is enough evidence to support the idea of human-generated global warming take action against it. There are those who say there is no "proof" of this happening. We may never have 100% "proof" of it happening. But when we do have the proof, it may be far too late.

On an unrelated note there were a noticeable number of shots depicting Gore using his Apple Powerbook; occasionally, strangely enough, with the computer and its logo in the foreground, and Gore in the background preparing his presentation or talking on the phone. There was enough Apple prominence for my friend to suggest intentional product placement, Gore sitting on the Apple Board of Directors adding some intrigue to the mix. This is somewhat ironic given Apple's score of 30% on the Greenpeace Guide to Greener Electronics (Dell and Nokia ranked highest with 70%).

In sum: An updated relevant look at climate change, and a call to (small) actions for all.



The cover of Burtynsky's new book

[Image From: http://www.deutscher-fotobuchpreis.de/download/china_gross.jpg]

China and Bangladesh. Prior to China and Bangladesh, Burtynsky has also been to other parts of the world; for example the marble mines in Italy, and the nickel mines in Sudbury. His pictures are striking beautiful, which makes the fact that they depict our often-destructive impact on nature very unsettling.

Accompanying Burtynsky on the Asian excursion was filmmaker Jennifer Baichwal. The film takes on a documentary format. It follows the crew, giving us some sense of what it was like to shoot on that trip, but it also pauses to show the actual pictures on-screen for us to take in. The trip takes the crew to the massive factories of Southern China, the enormous Three Gorges Dam (the world's largest dam, possibly ever), and the recycling centres for electronic waste that are little more than villages and villagers breaking apart computer boards using hammers.

In Bangladesh Burtynsky finds the shipbreaking yards, where ships are taken to be disassembled by hand. Colossal steel skeletons stand starkly on the beach, as teenagers and young adults (there are few, if any, shipbreakers older than 30) armed with blowtorches cut the steel off, piece by piece. The remaining tall structures are pulled down to the ground, where their deconstruction continues. A separate group of workers cleans out the crude sludge, still remaining in the tanks of the dead supertankers.

Where the resulting pictures are rigid, geometric, eye-catching composi-

documentaries such as Fahrenheit 9/11, The End of Suburbia, and WAL-MART: The High Cost of Low Price are heavily political, "Manufactured Landscapes" is not explicit in its meaning. It is up to the audience to decide and draw conclusions from what they see. Where other contemporary documentaries often leave you with a decided sense of righteousness about being on the right team, be it anti-war, anti-Wal-Mart, or anti-oil, we are all implicated in the photos in "Manufactured Landscapes". However, this is no call to action. Even with such a tempting political target as China - cultural destruction because of the dam, displacement of families, human rights - "Manufactured Landscapes" refrains from passing judgment. It simply shows us what is out there, the side of industrialization often hidden. Whether we choose to change, or choose to do nothing, we can no longer claim ignorance to justify that choice.

In sum: A pictorial, apolitical look at heretofore invisible byproducts of our lifestyle.

"Manufactured Landscapes" won "Best Canadian Film" in the 2006 Toronto International Film Festival.

The trailer is available at:
<http://www.mongrelmedia.com/films/ManufacturedLandscapes.html>.

It opens at Princess Cinemas on November 17, 2006.



[Image From: http://media.monstersandcritics.com/movies/aninconvenienttruth_1/images/group1/inconvenienttruthonesheet.jpg]

ENGINEERING SOCIETY EXECUTIVE REPORTS

Bomber Policy Causing Issues for All Ages Events



RUTH-ANNE
VANDERWATER
PRESIDENT

Hey Everyone! I hope that midterms have been going well for everyone. Good luck to those of you who still have a few more to write. There are a few important things that have happened over the past couple of weeks that you should all know about. The first is that a couple of weeks ago EngSoc used the Society SLC Display case to showcase who we are and what we do. I would like to thank everyone who helped make that display awesome!

The next item is a follow up from the last EngSoc meeting. At the third EngSoc meeting (October 18) we discussed the presence of administration at FOC interviews. (For those of you who don't know what FOC is, they are the group of students who work to plan, organize and implement frosh week). For those not present at the EngSoc meeting, council voted on the opinion of A-Soc regarding the presence of any administrative representatives at the FOC interviews. The results of which were 33 for, 0 opposed, and 1 abstaining. I brought your opinion to all administra-

tive parties who requested to be present at these interviews. However, all three parties still attended FOC interviews.

Another item of information I'd like to pass on to you is about the under age policy at the Bomber. Currently after 7:00 pm every night (not just Wednesdays and Saturdays) the Bomber is not open to students who are under the age of 19. This is causing some issues for societies that want to hold an all ages event for their society (i.e. TalEng for EngSoc). I've spoken with FEDS President Michelle Zakrison about this and she informed me that FEDS was not consulted when this decision was put in place. Currently the VP Administration and Finance, Renjie Butalid is working on getting this policy changed. Although this change will probably not occur before this term's TalEng, we're hoping that in the future we'll be able to have TalEng at the Bomber as an all ages event.

Next, I'd like to encourage all of you to attend all the really awesome events that EngSoc is putting on in the next couple of weeks. To help keep informed, make sure you subscribe to the EngSoc mailing list by sending an email to engsoc_a_general-subscribe@yahoo.com with your email account.

Last but not least, if you have any questions, comments or concerns please let me know by emailing me at asoc_prez@engmail.uwaterloo.ca.

Time to Heal those Midterm Wounds with EngSoc



KIRI NEUFEGLISE
VP INTERNAL

Well, midterms are finally over so it's time to make this term a little more fun. The majority of the engineering society events that we all know and love will be happening in the next couple weeks. Here's a handy dandy list of what you can look forward to:

Rock Climbing – November 2
SCavenger hUNT – November 3-4
TalEng – November 7
Semi-formal – November 10
Genius Bowl – November 16

All of our major events are starting up, so I hope to see as many of you out there as we can. Keep on the look out for posters and the mailing list for other events since there's a couple Enginuties left, an Athletics event and an Extreme Sports event before the term is over. Not to mention more EngSoc meetings and an exciting EngPlay. Time to have fun with the term before we all need to get back to studying for finals.

The End is Near! for WEEF Proposals



KATHRYN
POMEROY
WEEF DIRECTOR

Another two weeks have past and hopefully everyone has survived their midterms. As of Thursday, November 2, 2006 nominations will be open for those intending to run in the by-election for the position of WEEF director. Since I am in fourth year and will be graduating in the spring, the position of WEEF director will be open for the summer term. Nomination forms will be available in the Engineering Society Office (just like regular elections). I strongly encourage everyone interested in the position to come out and run – if you have any questions about the by-election, the position, or WEEF in general, please

send me an email. Nominations will close a week later on Thursday November 9, 2006 and the by-election will be held on Thursday, November 16, 2006.

On other topics, the proposal period is coming to an end. The last day to submit a proposal is Monday, November 6, 2006. Please see the WEEF website for submission instructions and the online submission form: www.weef.uwaterloo.ca/proposals.html

Finally, the meetings for determining this term's allocations are:

Proposal Presentations:

Thurs, Nov. 9, 2006
Tues, Nov. 14, 2006 (if needed)

Funding Council:

Thurs, Nov. 16, 2006

For the class reps, please let me know if you will be unable to attend any of the meetings.

That's all for now, have a great two weeks.

Need Something To Do? I Have It!



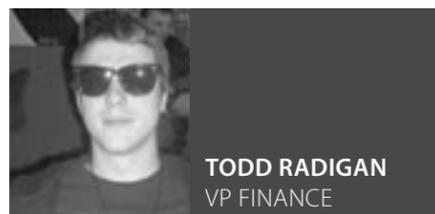
ANGUS
MCQUARRIE
VP EXTERNAL

Things going on this month: Santa Clause Parade on Nov 18th, Remembrance Day on Nov 13th (the Monday after Remembrance Day), various charity events to be announced when more information is known. There will be several seminars available this month (dates TBA). One will be given by the PEO, a talk aimed at fourth years and discussing the merits of becoming a P. Eng. Another will be given by OSPE (The advocacy group for Ontario Engineers) about the merits of being an OSPE member, and if I'm not very much mistaken, on network skills. There will also be a feedback session this month with the Department of Engineering Computing. They'll look-

ing for a response from the students with regard to how the computer labs are. This will be your opportunity to discuss what is good, what is bad, and how things can be improved in all the computer labs in Engineering (software, hardware, the lab environment itself). At some point this month, I will also be giving an info session regarding OEC, the Ontario Engineering Competition. I'll get into more detail on that at my info session, but there are several different categories in which we compete, including Technical Speaking, Senior and Junior Design, Innovative Design, and Consulting. If you're interested in doing some competitive Engineering at the provincial level, be sure to attend (or email me with your questions). Waterloo will be sending two teams for each category. The winners of each category at OEC will go on to compete at the national level in March.

Midterms are over, and finals are around the corner. I hope yours were easier than my ECE 427 midterm.

Where's me Lucky Charms?



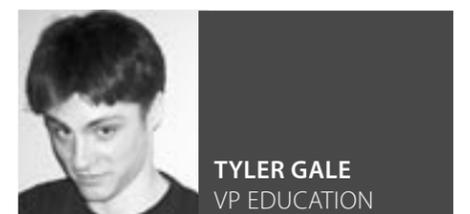
TODD RADIGAN
VP FINANCE

It's that time of the term again. Time for donations. Proposals will be presented and voted upon at the EngSoc meeting on November 1st. As a member of the Engineering Society, you get to help decide how donations money should be spent, so make sure to come out to the meeting and provide some feedback. Even if you don't have any feedback, come out to the meeting and enjoy the food!

On a more personal note, I have something I will share with you (and I have some space to fill, so why not). I would like to tell you about my little leprechaun friend. His name is Gordon O'Connor. He tells me to burn things. We met a few years ago, I don't remember specifically how anymore. We shared a pint, had some laughs, and stole some candy from the neighbourhood children. Good times. As far as leprechauns go, Gordon is taller than the others. Being tall for a leprechaun isn't really saying much though. It's kind of like being wet for a swimmer, it's really hard to tell. Gordon is a particularly angry fellow, but don't worry, his powers are limited.

... for now...

Critiques for the Job-less



TYLER GALE
VP EDUCATION

A BONUS day of resume critiques will be happening Thursday November 2nd. Not only is this day going to be a bonus for people looking to get their resume polished off, but it's an opportunity to volunteer and get training in the art of resume critiquing. This is a brand new collaborative effort between CECS and EngSoc. Take it from me, if you critique other people's resumes with a bit of training, you'll look at your own resume form a completely new perspective.

As usual, remember that if you've got old midterms or finals lying around it would be EngSoc's pleasure to make a copy of them and add them to our online exam bank. This is quite possibly the most effective way ever to score P**5 points.

Here's hoping everyone had a smashing time with midterms and the first set of co-op rankings!

Having trouble getting interviews? Come and get your resume critiqued!!

POINT VS. COUNTERPOINT

Imperial vs. Metric



MARK HAZLETT
2A CHEMICAL

I hear that some of you engineers out there are complaining about having to use the imperial system of measurement in some of your assigned problems. It is my belief that imperial units are inherently superior to metric units, in many ways, and for several reasons.

For starters, instead of being based from arbitrarily chosen values like the gram equaling the weight of a cubic centimetre of water at 25 oC, imperial units of measure evolved organically from actual use, occupying convenient values (say, a bushel of apples, or a pint of beer). For instance, everyone and their grandmother knows about how long a foot, or two feet is, but ask some random people how long 6 decimetres is, and quite a few of them will be completely unsure of the distance being referred to (if you fall into this category, the answer is two feet). Also, as imperial measurements have evolved over time, naturally picking up improvements over the years, in order to make them more useful to more people, they have grown in a way that the metric system, with its rigidly defined rules and systematic derivation, could not. This concept is much like that of evolution wherein natural selection results in the most useful units standing the test of time.

Granted, the numerical factors used in the imperial system weren't designed for the maximal ease of use, with some crazy factors being used. Some of these factors are as follow.

- 3 feet in a yard
- 5½ yards in a rod
- 8 furlongs in a mile
- 12 inches in a foot
- 14 pounds in a stone
- 16 ounces in a pound, or fluid ounces in a pint
- 231 cubic inches in a US gallon

Sure these factors might look ugly at first glance, but in this modern age of calculators, who really cares what the factors

are, it takes the same amount of effort to type any number in. Also, for conventional uses, the use of fractions with the imperial system is very handy, it's much easier to express the concept of 1 1/3 oz of sugar, than the metric equivalent of 37.799364167 grams.

Finally, even in Canada, a country that has been switched over to the metric system for some decades now, several imperial units are still quite prevalent. When was the last time you met someone who knew their metric height other than that's what their driver's licence says, or knows their weight in kilograms, or knew how many millilitres of beer they drank last night in their 7 pints of beer they drank at Molly's? A recent experience I had at the beginning of this term was when going to purchase a bed from Ikea. The packaging for the bed had the metric dimensions, but no imperial dimensions. I, having no personal concept of how big 2.13 metres is, had to hastily look at my drivers licence, remarking that I am somewhere around 188 centimeters tall, and extrapolate from there, whether or not the back of my parents' SUV would be large enough to accommodate the bed. If, however, they had simply told me that the bed was 7'1", i would have been easily able to know that i needed to go home and grab some rope so i could tie it to the roof rack.

In conclusion, imperial units are a) simpler to comprehend, and b) more readily suited to everyday life, they're going to be around for quite some time to come, which is fortunate for some, but sadly makes us have to think just that little bit harder when doing our problem sets. Just be thankful that you, unlike many previous generations of engineers have these trusty little pocket calculators to work with, instead of those difficult and time-consuming to use slide rules that they had to put up with.

Editor's Note:

The views and opinions expressed here do not necessarily reflect those of the authors, the Iron Warrior, or the Engineering Society.



JEFFREY LIPNICKY
2B MECHANICAL

I don't know why I am bothering to write this article, since the metric system can defend itself. Humans have evolved from apes, so isn't it appropriate that our measurement system evolve as well. And think about it, how many figures do you have? Hopefully, the answer is 10. Doesn't it make sense that our measurement system use something so common as a base? It only makes logical sense.

If the Imperial measuring system is so great, than why has it borrowed from the Metric system? What is "ksi" anyway? 1000 psi. Hmm...last time I checked, Imperial was based on some obscure number base, instead of a factor of 10. Speaking of which, what is the Imperial system based on? To me it looks like someone found an object, such as a stick, and said, "I have an idea, let's call this a foot". Of course, everyone agreed and in the words of Emeril, BAM, a measuring system was created. I hope that our society has advanced beyond these archaic methods and is able to implement the technological advances that have taken place.

Speaking of a "foot," it is quite misleading. If a "foot" was the size of a foot, then why do we need to have different shoe sizes? And if a "foot" is indeed a foot, and a person's foot continues to grow throughout life, does that mean that the measure of a "foot" is relative, just like a pound-mass is relative to the frame of reference (e.g. Earth vs. the Moon)? These are all very real questions that have no simple answer. Also, whenever I measure my feet, I am frequently disappointed because I don't quite measure up. Plus, LowRider keeps making allusions to how large his feet are; I don't quite understand what he is getting at. I think that it may have something to do with the relativity theory, but only he would know.

More evidence of the metric system's logic is the temperature scale. Water freezes at 0 C and boils at 100 C. This is a fact

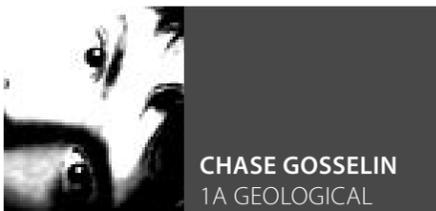
that everyone knows from childhood. I cannot for the life of me recall the temperature in Farenheit where water freezes and boils. Having such a common liquid as the reference points for the scale makes logical sense, and is easily understand by people who may or may not have the scientific background to completely understand what temperature is. (I personally am still a little unsure, but I have been promised a complete definition as soon as we finish the second law of thermodynamics.)

Plus, in the metric system, the measurement divisions are consistent. Everything is a factor of ten, so when doing calculations, the worse thing that happens is your answer is 10^x times to large, or too small. These errors are often noticed since the answers are unreasonable. However, in the imperial system, with so many different units and conversion factors, it is very easy to make mathematical errors. For example, if you have a pressure in ksi, and an area in square feet, your need to covert one or the other in order to have homogenous units. I am pretty lazy and forgetful, so that is just one more mistake that I am likely to make.

Another annoyance with the imperial system is the different units, even with the same unit. For example, there are both fractional and decimal inches. True, you can convert a fraction to a decimal, but how can you convert 1.342 inches to a fraction? A fraction that you can use a standard measuring tape to reproduce? There is also the other issue of fractional inches being a Base 10 version of Base 2. The divisions are 1/(2^x) in scale, but expressed in Base 10 digits. It seems as though the Imperial system just can't make up it's mind. (Further evidence to support my conclusion, drawn below.)

In summary, the metric system is a woman. It may vary by a factor of 10 either way, but in the end, it is always right. There is no sense arguing, because you will never win. It is best to just admit defeat, smile and nod, and then multiply by 10 later. It will all work out in the end. Plus, as our dear friends The Guess Who (a good wholesome Canadian band) would say "American Woman, stay away from me".

EngPlay Depicts Life of Alcohol, Cigarettes, Sex



CHASE GOSSSELIN
1A GEOLOGICAL

Hey all, guess what's coming up in November? ENGPLAY! That's right, it's that infamous production of unseen folly that makes us all look forward to the end of November a little, considering Death by December is coming. So what's up with this term's EngPlay? What is the play? Whom are the actors? Why should one go? When is it?

All is revealed right here, the 411 on this term's EngPlay.

For starters, there is all the info for the EngPlay itself, "Me and Thee" (by: Charles Horine). It's a funny social commentary on

the lifestyle of the middle-aged Americans in the '40s, which sounds like a bore but underneath it all is a play about life (a life of alcohol, cigarettes, and sex). Why else would it be an EngPlay? The play itself is quite poignant with its depiction of a middle-aged couple who both go through a midlife crisis and finally discover what life should be like. If you like to laugh until you cry, then this is for you.



Besides the heritage of EngPlay, and its tradition charged by the main attraction, I mean director Stef Borgs and one of her stage directors Lee Anne Belcourt, there is a large amount of new blood in this term's EngPlay. 5 actors, the Assistant Director (me!!), another Stage Manager, and Tech are 1A engineering student in a variety of programs, such as GeoE, SyDe, Nano, CivE, ChE, and ECE. (and yes that's in order of importance...JJ!!) We even have a new sixth actor, a 2A from CS. That shows how good EngPlay is, even a CS wanted to be part of it! The hardworking crew of this ship is Director Stef Borgs, Assistan Dir. Chase Gosselin, the Stage Managers Lee Anne Belcourt and Cassandra Leal, and Techie Sean O'Neil.



FOOD

Carobeam Cooks

Potato Latkes



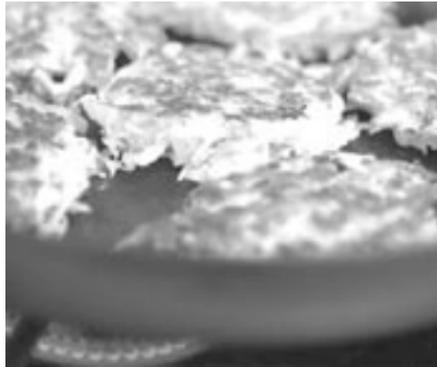
CAROLYN
SUTHERLAND
2N MECHANICAL

While at work one night, a fellow employee suddenly announced to me a random craving she had for potato pancakes at that very moment. After further inquiry, I realized that potato pancakes did sound quite appealing and tasty, so I got the recipe from her and did some background research; though not exclusively a Jewish recipe, potato pancakes, or latkes, are traditionally eaten during Hanukkah.

Hanukkah, or Chanukah depending on who you ask, is an eight day long Jewish holiday called the Festival of Lights or the Festival of Rededication. It starts on the 25th day of Kislev on the Hebrew calendar, which typically corresponds with a date between late November and early January on the Gregorian calendar. Each day, a candle on the menorah is lit to symbolize the eight days that a one-day supply of olive oil lasted for the rededication of the Temple of Jerusalem by Judas Maccabee in 165 BC.

Because olive oil was burned in the original menorah, it plays an important symbolic role in Jewish cooking and is used for fried foods. It is recommended to use olive oil for this reason, although any cooking oil will suffice. Latkes are traditionally served with sour cream, apple-

sauce or cinnamon, but potatoes go well with pretty much anything so try whatever you have lying around. Nutella, anyone?



Potato Latkes
Makes 14

1 lb potatoes, peeled and grated
1 small onion, grated
2 1/2 tbsp flour
1 egg
1/4 cup olive oil
salt and pepper to taste

1. Combine the potatoes, onion, flour and egg in a small bowl and mix well. Add the salt and pepper if desired.

2. Heat olive oil in a frying pan or skillet, then scoop a heaping tablespoon of latke batter into the pan.

3. Fry each side until golden brown, then place on a paper towel to absorb excess oil. Repeat with the remaining batter.

Not Worth A Second Visit,
Nevermind a Third

King Street Trio Review



WILLIAM LY
2B MECHANICAL

I recently went to dinner with my significant other to the up-scale restaurant at the corner of University and Weber, King Street Trio. My overall opinion of the restaurant was not good, especially for what they charge. Yes, I know about their dress code and so forth, and I've been to other restaurants of higher scale in Toronto such as The Octagon, La Castile and others. Initially I was looking forward to my outing at KW's highly regarded restaurant, but after I left something did not feel right.

The ambience and setting of the restaurant is very nice and comforting; the vintage cabinet style is a very welcoming and reminds me a lot of The

Keg. Similar to The Keg, King Street Trio is a steakhouse who's specialty is prime rib. The food was average at best for what they charge, and service was horrific as my order was messed up. For starters we ordered the calamari but it did not have that fresh seafood taste that you would normally expect from an upscale restaurant. Our server did not help as she seemed more inclined at chatting it up with her manager than making sure her tables were taken care of.

The main courses that we ordered were prime rib and a rib eye, and for whatever reason our server messed up one of the

orders. My prime rib came out 15 minutes late, unacceptable! Even at Spring Rolls in Toronto, a restaurant of mid-scale, would offer to cover your drinks for their mistake, not the case with King Street Trio. Finally we started eating, and I admit their rib eye was nice and seasoned properly. Now for their specialty prime rib that is only served on Fridays, Saturdays, and Sundays I was not impressed. Insufficient sauce was a factor because roast is only as good as its sauce.

My general thought about roasts is that you can only cook a slab of beef so many ways, and it's the sauce that defines if it's average or if it's great. King Street Trio's sauce was "okay" in my opinion and I'm sure others would differ, but to not have enough sauce is an actual problem. You go to such restaurants to be wowed, but I was

not. All I got was the impression that if I went to The Keg my money would have been better spent and the service would have been worth



<http://www.kingstreettrio.com/>

the price of admission alone.

In brief, I recommend that those wanting to eat at a steakhouse take a trip to The Keg instead of King Street Trio. At least you would walk out of The Keg with a nice smile (maybe not when the bill comes, but the prices would be very similar). In general, when one attends an upscale restaurant you expect to get what you pay for. I did not get what I paid for and that is my general review of King Street Trio; it is an average restaurant that charges a hefty price of admission. For ambience and setting it is a very nice place to be, but nothing that The Keg cannot match or beat.

Upcoming Events from EngSoc

Sun Oct 29	Mon Oct 30	Tues Oct 31	Wed Nov 1	Thur Nov 2	Fri Nov 3	Sat Nov 4	Check out up-to-the-day event postings on the EngSoc website at engsoc.uwaterloo.ca/www
	5:30 IW Meeting	Slave Auction Shadow Day Halloween	Gradcomm Pizza Shadow Day 5:30 EngSoc Meeting 4	Rock Climbing	SCUNT Pub Crawl	SCUNT	
Sun Nov 5	Mon Nov 6 WEF Submissions Due Enginuity 5:30 IW Meeting	Tues Nov 7 TalEng	Wed Nov 8 Gradcomm Pizza	Thur Nov 9	Fri Nov 10 Semiformal	Sat Nov 11 Remembrance Day	
Sun Nov 12	Mon Nov 13 5:30 IW Meeting	Tues Nov 14	Wed Nov 15 Gradcomm Pizza 5:30 EngSoc Meeting 5	Thur Nov 16 Genius Bowl	Fri Nov 17	Sat Nov 18	

The Universality of Hip-Hop

YUVRAJ GOEL
2B MECHANICAL

It's hard to imagine the mainstream music scene without hip-hop. The energy and aggression that is a part of hip-hop has penetrated most contemporary forms of music, somehow making them more accessible and enjoyable. Many pop artists are collaborating with hip-hop producers and incorporating a more edgy style of lyrics, often resulting in more success and a wider fan-base. What is it about hip-hop that makes it easy to identify with, even when the content of the songs may have nothing in common with the listeners' lifestyles?

Personally, I used to be a metal-head, and spent many of my teenage years listening to bands like Metallica, Slayer, and System of a Down. What converted me to hip-hop was the tremendous positive energy associated with some of the songs. Words like "I ain't never scared" just got stuck in my head, and this was a change from thoughts of angst and self-doubt induced by heavy metal music. When viewed as creative writers, rap artists convey more confidence and self-assuredness than other songwriters and poets. Rapping also gives the artist the potential to communicate a lot more in song, since a standard hip-hop song has about 48 bars of rapping and an 8 bar chorus, as opposed to about 8 to 24 bars of lyrics in pop and rock songs.

In addition to the positive energy, some listeners are attracted to the negative lyrical content in rap songs. For instance, many songs classified as "Gangsta rap" or "Dirty South rap" contain violent, misogynistic and overtly sexual lyrics (like "Get Low" by Lil' Jon and "Wait" by Ying-Yang Twins). Listeners with a subconscious desire to live out lives of debauchery and crime feel almost as if they are part of that life when listening to such songs. It is a form of escapism similar to video games and movies. Others are drawn to deeper aspects of the lyrics, such as story-telling and literary devices. It may be surprising, but accomplished hip-hop artists like Common, Talib Kweli, and Eminem often use techniques like alliteration, assonance, consonance and complex rhyming schemes. Others like Ludacris and Lil' Wayne rely on colourful similes, puns and wordplay.

"Yeah the lights is bright but I got a short fuse

Don't snooze, been handling the game so long my thumbs bruised"

- from the song "Fireman" by Lil' Wayne

Sometimes, people like a song despite weak lyrics, since the words are supported by majestic, intricate beats. A few songs by Fat Joe (like "Lean Back") are good examples. There are some excellent

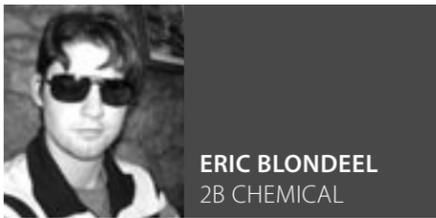
producers in the hip-hop industry, some of whom have formal training in music. In my opinion Timbaland, the Neptunes, Scott Storch and Jermaine Dupri are some of the best producers out there. Quite often producers sample or compose melodies that sound like folk or ethnic music. Arabic and Indian music can often be heard in the background of Timbaland or Storch's beats. In a way, hip-hop is providing a platform for cultural music to be heard and appreciated by the masses. And in some ways it is making it more accessible, most notably by breaking down complex samples into a radio-friendly rhythm and by adding heavy beats that you can dance to.

In the most memorable hip-hops songs, the beat and words come together to create a complete musical experience that's either overflowing with attitude or has a story to tell (like "Stan" by Eminem). On the other hand, there are songs that are hits solely because of the artist's street cred or provocative videos. Who doesn't want to see the flashy clothes, the bling-bling, the scantily-clad women, and the ridiculous cars? But I'm not going to get into that. I like to appreciate hip-hop for being an art-form and a source of confidence, and not for the pseudo-culture it has become.

Feel free to send me feedback at ygoel@engmail.uwaterloo.ca. Check out my compositions at:

www.soundclick.com/djfoolous.

You're the Next Contestant On "The Theme is Right!"



ERIC BLONDEEL
2B CHEMICAL

Well folks, we had an awful lot of winners of "fabulous prizes" over the last several weeks, for both the POETS Monday Movie Contests (held biweekly) as well as the Arts Colouring Contests.

Arts Colouring Contest

The Winner of the first Arts Colouring Contest was chosen by the EngSoc Exec. who came to the mutual conclusion that Matt Hunt's [2A Mechanical] stellar combination of inspirational post-modern techniques, and courageous colour combinations were both compelling and the least nauseating! For his efforts Matt was awarded the auspicious prize of a \$10 gift certificate to Novelties. Great work Matt!

POETS Monday Movie Contest

The first contest offered by your POETS Programmers was a series of three films with a common feature, "Fargo, Final Fantasy: The Spirits Within, and Monster's Inc.", a kidnapping drama, an animated science fiction film, and a children's movie with seemingly nothing in common thematically. Congratulations to Jeff Aho [2B

Continued on Page 10
see Contests



Sandford Fleming Foundation
E2 3336, ext 84008, sff@engmail
www.eng.uwaterloo.ca/~sff

The John Fisher Award for Leadership

The John Fisher Award for Leadership is made to a graduating student who has shown outstanding leadership throughout the student's academic career in activities that relate to Engineering Education. These leadership contributions can be associated with the Engineering Society, the Departments, the Faculty, the Sandford Fleming Foundation, and with other activities with a professional orientation. Nominations for the John Fisher Award can originate from student groups, faculty members and others. Nominations should document the nominee's outstanding leadership and other contributions. The award consists of a certificate, a citation and an honorarium of \$1,000. All nominations must be submitted to the Secretary of the Foundation by **April 1**.

Engineering Debates: The finals will be held outside POETS at noon on November 3. Please plan on attending. Refreshments will be served.

Student Travel Grants: Available to students participating in technical conferences. Please check our web page for further details.

Emergency Loan Funds: SFF has funds available for short-term emergency loans, interest free for 90 days. These loans are available to engineering undergraduates, on either an academic or work term. Contact the Student Awards office for further information.

An organization devoted to the advancement of engineering education.

CECS Important Dates

Sign up for these workshops at careerservices.uwaterloo.ca. All workshops are held in the William M. Tatham Centre for Co-operative Education & Career Services (TC), unless otherwise indicated.

Exploring Your Personality Type Part1 (2 Sessions)

Wednesday, November 1
10:00-11:30 TC 1112
Tuesday, November 21
2:30-4:00 TC 1112

Career Exploration & Decision Making

Wednesday, November 1
3:30-5:30 TC 1112

Knowledge & Ability Test for Mathematical Statisticians

Thursday, November 2
6:30-10:00 DWE 3518

Working effectively in another culture: what does it take?

Monday, November 6
4:30-6:00 TC 1208

Key2Careers: Assertiveness Skills

Tuesday, November 7
10:30-5:30 Toronto, ON

Successfully Negotiating Job Offers

Tuesday, November 7
3:30-4:30 TC 1208

Exploring Your Personality Type Part2 (2 Sessions)

Wednesday, November 8
10:00-12:00 TC 1112
Tuesday, November 28
2:30-4:30 TC 1112

Business Etiquette and Professionalism

Thursday, November 9
4:30-5:30 TC 1208

Writing CVs and Cover Letters

Thursday, November 9
12:00-1:30 TC 2218

ARTS & ENTERTAINMENT

And the Band Played On...

And On, And On, And On

ALEX GIROUX
2B MECHANICAL

If any of you went to Naismith this year, you may have noticed that it was, well, a bit louder than normal. Not, of course, that that's a bad thing. But now that you've read the first two lines of this article, odds are you're wondering what the hell I'm talking about, so I shall explain.

In 1966, Dave Greenberg and four other musically inclined Waterloo students concocted a devious plan to get into games without paying – take their instruments to games and play at any opportunity. The idea caught on and the Waterloo Warriors Band was born. Forty years later, the Band is still going strong, and since forty is a rather significant anniversary, someone decided that it couldn't go unmarked. Dave even drove all the way from Halifax to join us!

So, at the Saturday night Waterloo game at this year's Naismith, former Band members dusted off their instruments, dug their shirts out from the box in the basement, and trooped into the PAC to have some fun and make some noise. Songs were sung, old favourites were played, cheers were started, cheerleaders were drowned out, and the MC was irritated. Some alumni brought their kids, who were promptly given assorted percussion instru-

ments and told to go crazy.

After the game the Band retired to a local establishment to enjoy some refreshments, reminisce, and show off their skill at juggling bottles of ketchup.

Obligatory Recruiting Blurb: If you're intrigued, feel free to join us! Practices are from 5:30 to 6:30 pm on Thursdays in PAC 2012, and new members are always welcome.

Much thanks to Steve Hayman, former CCWB (Chief Centurion of the Warriors Band) for organizing everything, and to all the members of the Band.



The Warrior Band past and present play at this year's Naismith Classic

Contests

Continued from Page 9

Mechatronics] for brilliantly determining that Steve Buscemi either acted directly or provided a voice credit in all three films. Jeff was subsequently awarded with a fantastic \$10 gift certificate to Novelties. See you in there soon Jeff!

The Second contest offered in POETS was another series of three films, "Johnny Mnemonic, Hackers, and TRON". On the surface all three seemed to be thematically linked to the concept of "computers in film", an answer we received a number of submissions for. In answer to

this submission we asked the question, "Were they really about computers?". For those of you haven't seen all of these films: Johnny Mnemonic is a film with Keanu Reeves set in the future where humongous quantities of data (roughly the amount of a good Ipod today) are smuggled through neuro-implants in people's brains. Hackers is a

film where a group of high school students with a supposed advanced knowledge of computer systems become aware of a conspiracy to steal vast sums of money from an international oil company, and try to bring the truth to the surface by hacking a computer that looks like a city. Lastly, TRON is a film featuring Jeff Bridges who becomes trapped inside a giant computer system controlled by an artificial intelligence known as Master Control Program, that also looks like a city. The answer to the contest was that all three movies, in the words of winner Paul Marchwlcq, have "terrible predictions of future tech, 'terrible' in the sense that they're completely off and try to make things cooler than they are" (The original answer being in the ball park of "sci-fi films that completely forsake any kind of technological legitimacy".) So, congratulations to Paul, winner of a \$10 gift certificate to Novelties.

Hope to see everyone continue with contributions to win "fabulous prizes" in the various contests we have for the rest of term.

Cheers,

POETS Programmers
ARTS Directors

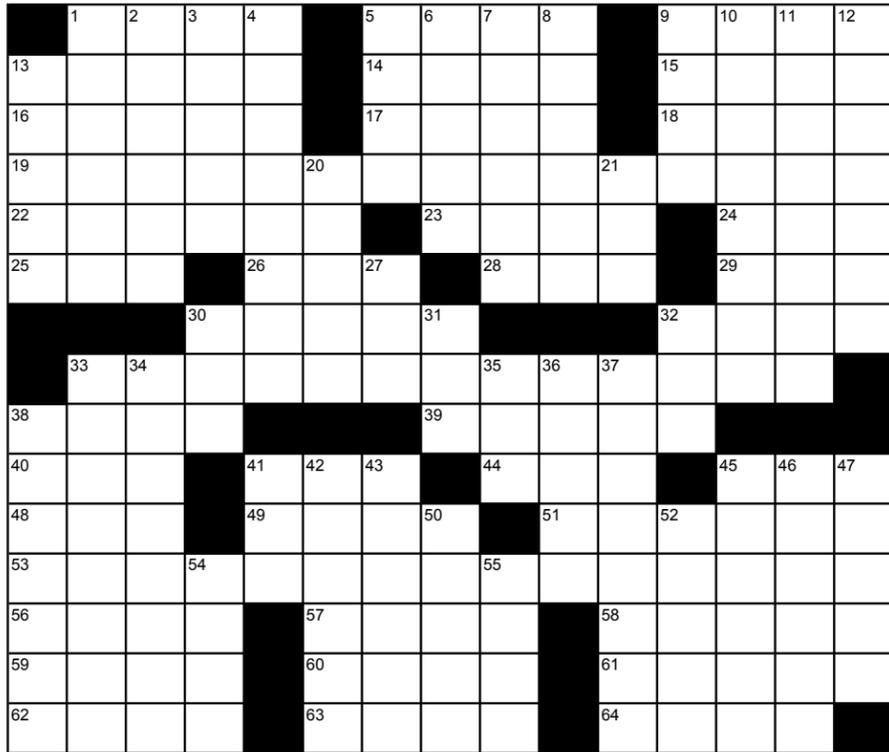

HALLOWEEN COLOURING CONTEST



ARTS & ENTERTAINMENT

Cross-Word

MICHEAL SUE-KAM-LING, 2B CHEMICAL
HILARY LOCKIE, 2B CHEMICAL
KATIE CERAR, 2B SYSTEMS



Across:

1. Degree we're all working towards
5. Thirty-two bar song structure
9. A suddenly intense star
13. Fate
14. Victuals
15. Middle Eastern
16. Pertaining to
17. With the purpose of, plural
18. Stare
19. Bookstore location
22. Eli Roth flick
23. Bubbly chocolate
24. Raphael's tools
25. French jackass
26. Choice morsel: ___bit
28. French CBC channel
29. MPP of Que.
30. Wish granter
32. Spasmodic movements
33. Mechanical, electrical, potential and kinetic
38. Evil sword in Mario RPG
39. Straightforward
40. Upper House of Parliament abbr.
41. Decaying wetlands
44. Important period of time
45. Former Soviet state
48. Grouchy girl time
49. Multiple of a single
51. Solvent used for elution
53. Linux
56. Forearm bone
57. Typical mad scientist assistant
58. Pan fry
59. Shoulder band
60. French matriarch
61. White heron
62. You are, in Spain
63. Engineers rule the world
64. Mail

Down:

1. Primate
2. Stimulate
3. Filthy material for dogs?
4. Fluid-draining tube
5. Imaging company
6. Pleasant odor
7. One who belches
8. Ridiculous
9. Caustic soda
10. Thoroughly satisfying
11. "Summer of '69" songwriter Jim
12. Asian shrubs
13. Eastern European porridge
20. What Saran wrap does
21. Oneself in France
27. Punk music
30. "LEO the lion says ___"
31. Flowing backwards
32. Explosive
33. Archetype
34. Poppycock
35. Malt beverage
36. Fisherman's tools
37. Interprets data
38. To marry
41. Constrictor
42. Important to be for interviews (2 words)
43. Counts radiation
45. Ringed planet
46. Left unchanged
47. Had a second meeting
50. Nostril breathing
52. Act of employing
54. Cheerleaders' sounds
55. Increased in size

Symphony

Continued from Page 1

to brighten the mood, these musicians are busy giving of themselves to the community all year long.

The second of the comments, is the one I find to be of actual concern. Until very recently I had seen almost no advertising for the group on campus, where you think there'd be a decent number of people looking for something to do as a change from their usual drunken debauchery. Even us engineers with our lewd, nerdy exteriors, tend to enjoy something with a little more classy from time to time.

In the spirit of us engineers generally liking to help out, and the fact that it's a pretty good deal when we get a group of us together, I am proposing that we, the waterloo engineers take a group outing down to their concert on the 2nd of December. The musical selection for the

evening looks to be quite good, and for a group of more than 10 of us, since we're students would come to \$12 a head. If anyone has an interest in attending this event, please send me an email for more details at mdhazlet@gmail.

Posters will be up around the hallways soon, for those of you who are prone to be forgetful.



How Ridgid are You?

CHASE GOSSELIN
 1A GEOLOGICAL

Out of 8 questions: 0 - Artsie, 1 - Mathie, 2 - Frosh, 3 - upperclassmen, 4 - Graduate, 5 - Surveyor, 6 - Engineer, 7 - Godiva, 8 - TOOL

- 1 - Name the shortest sitting President in UW's history.
- 2 - How much older than UW is Waterloo College (Wilfred Laurier)?
- 3 - In what year was UW given its official name of the University of Waterloo?
- 4 - Nov 1, 1960 is an important date. Why?
- 5 - Nov 1, 1991 is an important date. Why?
- 6 - How many 1A CivE groups were able to complete their last survey assignment?
- 7 - Why did Mike Brooks put wild peacocks on campus?
- 8 - Did they ever discover what predator got the peacocks?

See Answers on Page 12

POETS Movie Schedule

Mon Oct 30	Tues Oct 31	Wed Nov 1	Thu Nov 2	Fri Nov 3
POETS Movie Contest 11:00 am ??? 1:00 pm ??? 3:00 pm ???	11:00 am 3rd Rock From the Sun 3:00 pm Soccer Match	11:00 am Bullitt 1:00 pm Shaft 3:00 pm Soccer Match	11:00 am Fellowship of the Ring 1:00 pm the Two Towers 3:00 pm Return of the King	11:00 am Lock, Stock and Two Smoking Barrels 1:00 pm Snatch 3:00 pm Boondock Saints
Mon Nov 6	Tues Nov 7	Wed Nov 8	Thu Nov 9	Fri Nov 10
11:00 am The Office 1:00 pm Thank You for Smoking 3:00 pm When Harry Met Sally	11:00 am Band of Brothers	11:00 am Pushing Tin 1:00 pm Grosse Pointe Blank 3:00 pm High Fidelity	11:00 am Philosopher's Stone 1:00 pm Chamber of Secrets 3:00 pm Prisoner of Azkaban	11:00 am Basketball 1:00 pm Orgazmo 3:00 pm Team America
Mon Nov 13	Tues Nov 14	Wed Nov 15	Thu Nov 16	Fri Nov 17
POETS Movie Contest 11:00 am ??? 1:00 pm ??? 3:00 pm ???	11:00 am Titus Season 1	11:00 am Almost Famous 1:00 pm Dazed and Confused 3:00 pm The Warriors	11:00 am James Bond Movie Marathon	11:00 am The Big Lebowski 1:00 pm Blues Brothers 3:00 pm Animal House

Enginoku

HAROUT MANOUGIAN
3N ELECTRICAL

u p q r t l p o d

t			r					
		p		t	d			u
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Solution to the October 11th Enginoku

Send in your
prof quotes,
drawings
and poems!

Diseased

(An Exercise in Rhythm)

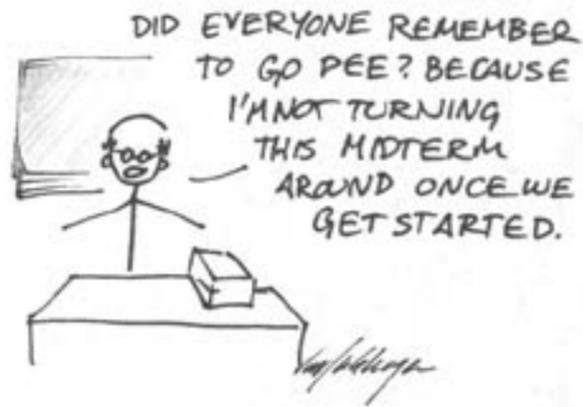
YUVRAJ GOEL
2B MECHANICAL

Doesn't take a genius of a man to see
How you fit into my extraordinary fantasy
A rare disease affects this man, you see
A stare at least could mean we're meant to be

I'm trapped between your thoughts so let me be
And let me see the man I have to be
You had me speak the truth, I had to leave
I'm mad to be the man you can't believe

This had to be the day I had to see
I'm glad to be the man you have to free
You can't believe, but leave the rest to me
I'll rest in peace if you save the best for me

JACLYN SHARPE
2B MECHANICAL



Trivia Answers:
(1 - Howard Petch, 1969-70.)
(2 - 46 years - it was founded in 1911.)
(3 - 1960.)
(4 - Volume 1, Issue 1 of the Gazette is published.)
(5 - UW buys the B. F. Goodrich Building on Columbia Street.)
(6 - None - it snowed!)
(7 - They reminded him of his Native Oxford college.)
(8 - No.)
For more history of UW fun, visit <http://www.communications.uwaterloo.ca/history.html>

the Iron Inquisition

Eric Blondeel, 2B Chemical

What's the first thing you think of when you wake up in the morning?



"The Sausage"

Greg FitzGerald, 3N Mechatronics



"My Cat"

Chris Pieneman, 4A Civil



"My recurring dream about riding a purple zebra"

Jay Grigg-Tait, 4A Mechanical



"Racing"

Jessica Howcroft, 2B Civil



"The same thing I think about every morning, 'How to take over the world?!'"

Sean O'Neill, 1A Nanotechnology



"I'm in Kinesiology?"

Willis Leake, 1A Civil



"Sunshine"

Claire Pinaud, 4A Chemical



"You"

Chris Jamieson, 2N Computer