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the IRON WARRIOR

THE NEWSPAPER OF THE UNIVERSITY OF WATERLOO ENGINEERING SOCIETY

VOLUME 26 ISSUE 11 | WEDNESDAY, SEPTEMBER 28, 2005



Engineers excel at nautical adventures

Page 3



Francis fights fashion faux-pas

Page 5

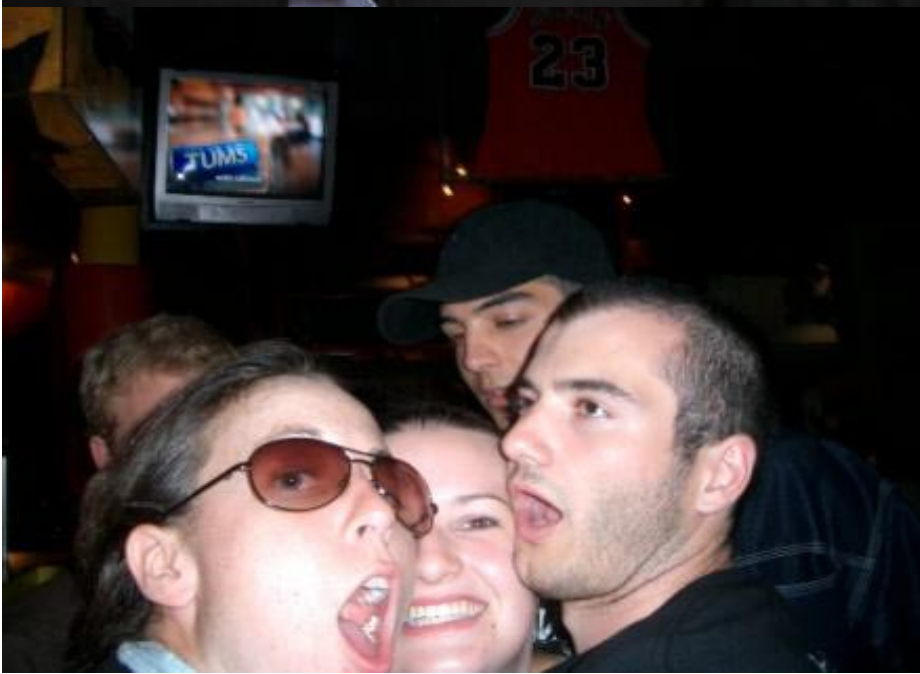


Great Bridge, great book

Page 12

Check us out @ <http://iwarrior.uwaterloo.ca/>

ANOTHER SUCCESSFUL GRADCOMM FUNDRAISER!



Waterloo Engineering students (and one sharp-looking Don Fraser) appear to be enjoying themselves at the latest Gradcomm event.

North Korea To Become Normal Country



GABRIEL CHAN
2B SYSTEMS

Two weekends ago, North Korea (D.P.R.K.) decided that nukes were not really for them. What took them so long to decide? Perhaps the Korean People on that side of the border have too many opinions, so the Democracy in that Republic is not very effective.

The truth is simple. No one wants those nuclear weapons in either of the two Koreas. Why does something supported in solidarity even need nego-

tiations? Every country in the six-party talks has its reasons:

- North Korea wants to milk this crisis for as much goodies as possible.
- United States wants to do exactly the opposite of that.
- Russia doesn't want yet another nuclear neighbour.
- China doesn't want an unstable Korean peninsula.
- South Korea wants to eventually reunite with the North.
- Japan doesn't want to get nuked again.

Additionally, plenty of other parties benefit from this crisis. The media are having a ball with this mess (they don't even have to risk their reporters on the field, not that they're allowed to

enter the country anyway), North Korea can lower its unemployment (all those nuclear scientists have jobs now), evil capitalists can set up shop in DPRK (while the crisis is still scaring away their competitors), and finally, George Bush has an excuse to start World War III (again).

Of course, all good things have to come to an end and nuclear crises are no exception.

In the statement of September 19th, the Democratic People's Republic of Korea "promised to drop all nuclear weapons and current nuclear programmes and to get back to the Non-Proliferation Treaty as soon as possible".

In return, the United States of America reassured them that they did

not have nukes on the peninsula and pledged to never ever go in there to kick their ass.

South Korea also offered two million kilowatts of electricity [possibly for Kim Jong II's new castle]. Other countries in the six-party talks have also offered free power, as well as promoting other economic benefits.

Now the world has to wait and see. Maybe North Korea will finally give up its nuclear weapons and start a fresh relationship with the world. Or maybe China will have to coax crybaby Kim Jong II back to the negotiation table again for the Nth time. Eventually, North Korea has to take steps to become a normal country.

Existentialism For Engineers



DAN ARNOTT
EDITOR-IN-CHIEF

First of all, a big thanks to my staff, you guys seriously pulled my balls out of the Los Angeles Abrasion machine this time. I was in grave danger of having to turn this into a sketchy eight-page Iron Warrior, but you came through for me. Twelve pages of damn decent news and views. Well done. Let's try it again next issue!

Also, I'd like to apologize right now to everyone I bothered for articles who had already sent them in, sometimes up to five days ahead of time. Seems I haven't been getting all my attachments lately. Bear with me; we'll rectify this soon enough.

I don't know whether this edition will make it out to Cambridge or not, but if so, a big hello to all you architecture students out there! Please, write for our paper! E-mail me. We'll talk.

One more thing before we get right down to it. There are some ads in this issue. Before you accuse me of selling out, just remember that there's free food at Iron Warrior meetings and I have to pay for it somehow. Also, that's why we have a colour front page this time. A special treat just for you.

This being my 2B term of Environmental Engineering, I get to take a complimentary studies elective. To try to give my creative writing a little more credibility and to beef up my editing and work-report-writing skills, I decided on an English Lit course at St. Jeromes, my old stomping grounds from first year. A word to the wise- if you're ever taking English 105A, try to get Professor McCormack. Older fellow with a Scottish accent and lots of energy. Teaches because he loves it.

So we're two classes in, and he's talking about existentialism. Here it is in a nutshell, the brief, condensed GENE 119 version:

LIFE HAS NO MEANING.

Sounds pretty lousy. Over the years, everything the ordinary person has relied

on for purpose has been called into question. Scholars have laid bare gross inconsistencies in many historical religious texts. The absolute power of royalty gave way to democracy and socialism, both of which have shown themselves to be fallible and flawed. The idea of finding truth in art has faded with the commercialism of it. Even science is shaky if you're looking for security in it. The theory of relativity states that there is no absolute frame of reference, even for physical measurements. What does that say about the meaning of life?

This sounded like a pretty raw deal. I was beginning to wonder why I took the bloody course. But then McCormack continued.

According to the existentialists, life has no pre-existing meaning, but we must seek out our own meaning for life and impose it upon our own existence.

Suddenly, it goes from being a depressing theory to a rather appealing one! The possibilities are endless. Life is meaningless UNTIL WE GIVE IT MEANING-that's way better!

Or is it? Looking for meaning in life sounds like a pretty daunting task. Isn't that what, you know, philosophers and stuff are for? Or people in psych or classics or something like that? You know, the people that can actually make heads or tails out of the more complicated points of this crazy existenti-whatsit you're talking about?

That may be so, but we engineers are as well-equipped as anyone to search for meaning in life. Our analytical brains can compare the pros and cons of any idea we come in contact with, entertaining it without accepting it. According to Aristotle, that's the mark of an educated mind. And, as is the case with so many of our work reports, we can either come to a conclusion or we can recommend further study. Life is for learning, after all.

Some may say the meaning of life lies in science, in the identification and application of relationships in nature. Some would contend that it's our relationships with each other that give meaning to our lives, or perhaps our relationships with some spiritual being or supernatural realm. You may find meaning in all or none of these. But it is critical that you seek the answers yourself instead of accepting a

prefabricated package of them. Please, don't blindly accept anything. That's a recipe for disaster. It's understanding you're after, not just a solution or quick fix.

I'll use an example from my discipline. Say you have a problem with some harmful bacteria in the water supply. When you blindly accept someone else's ideas about your life, you're dumping bleach in the watermain to kill them all off. You may have killed the bacteria, thus solving one facet of your problem. But another problem crops up. People are drinking the bleach and dying anyway. One thing's become clear, but something else is in doubt again.

You may find a theory that works for you. Me, I haven't, but it's possible to have a good time trying. My good buddy Chris is an excellent example of this. He is now in his third first year of higher education: Computer Engineering diploma, Computer Engineering degree, and now, Psychology. Instead of sticking with something which wasn't working, he tried something new-several times, in fact.

Chris and I like to go out to pubs sometimes. We like to talk to other people, try to get an idea of what gives meaning to their lives. Everyone has a theory on what it's all about, even if they don't realize it. People seem a lot more eager to talk about existentialism once they've had a few beers in them. But we know one thing: Whether or not we reach any kind of definite conclusion on the subject, we've certainly had a fun time learning about it, whether in the lecture halls or the bars (although moreso the latter).

If you blindly accept something as the meaning of your life, you're missing out on the process of discovery which, as engineers, we are likely quite familiar with. So if you've got a theory you call your own, think about it a little bit. Get to know it. Evaluate it critically, do a risk-benefit analysis to it or something. You may end up agreeing with it like before or becoming totally disillusioned with it, but then again, haven't we all had disappointing lab results before?

Life has no meaning until we give it one. That'll be on the midterm. Which of course I haven't had any time to study for. I've been working on the paper.

IRON WARRIOR

The Newspaper of the University of Waterloo Engineering Society

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drop by our office (opposite the Orifice) or e-mail us at iwarrior@engmail

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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BOAT RACING!



Never hurts to practice on dry land first...



Fierce competition on the River Avon.



Waterloo pulls ahead.



The rightfully proud Waterloo Engineering Dragon Boat team.



GABRIEL CHAN
2B SYSTEMS

The U of W Engineering Dragon Boat Team competed in the Stratford Rotary Dragonboat Festival on Saturday, September 17 held at Stratford, Ontario. A total of 67 teams registered, paving the way for a day of insane competition.

The Engineering Team only had two

practices prior to competing, since most of the team members worked outside of Greater Toronto Area during the previous co-op term. With 25% of the boat consisting of new paddlers, the crew was expecting nothing short of a savage beating in the face of other more experienced teams.

After three rounds of intense races, the Engineers earned a second place in their division for 500-metre sprint. The crew lost two races by mere fractions of a second; the last race was definitely one of the closest races in the competition, with all four boats differing from each other by

less one tenth of a second. A vast majority of the races that day were extremely close too.

UW Engineering Team Times:

- Qualifying race:
- 4TH PLACE 2:33:73 (+4.70 s)
- Semifinal race:
- 2ND PLACE 2:35:99 (+0.08 s)
- Final race:
- 2ND PLACE 2:32:94 (+0.09 s)

The UW Engineering Team began as the People's Republic of Engineers, consisting of Systems Design class 08SYS.

PRO Eng was started by Bernice Chan and Gabriel Chan in summer 2004, and has since been recruiting other UW engineers.

Another Waterloo team, the UW Swordfish, also competed at the Stratford Festival. Lead by Dan Ho and Ron Wong, they were formerly known as the Science & Business Team and the UW Fast and Furious. They finished first in their division.

UW also has an alumni team (Team Ruckus) and is currently starting a Dragonboat Club on campus. Stay alert for more news on the UWDBC.

GradComm To Sell Oktoberfest Tickets



KEN HANES
GRADCOMM 2006
CHAIR

Hey hey! Gradcomm 2006 has 200 tickets for the upcoming Oktoberfest Student Night at Bingeman's on October 13th. This is going to be an awesome night. All of the faculties will have students coming to this, and there will be several other schools such as Mac, Laurier and Guelph attending as

well (think of the possibilities...).

Gradcomm is selling these tickets for only \$8, which is a sweet deal. For anyone who has been to other Oktoberfest events, you know these usually cost \$10-\$15 to get in. On top of entrance, this \$8 includes the bus trip from the University to Bingeman's and back. Buses will be leaving the school starting at about 7:30 and every fifteen minutes or so after that. The final bus will be leaving Bingeman's at 1:00.

I want to see all of you out there, so come and pick up your tickets from Gradcomm. We will be selling them during lunch when we are selling pubcrawl shirts and/or Gradcomm pizza.

Dodgeball Tournament

ENG SOC ATHLETIC DIRECTORS

Ladies and gentlemen, You've seen it on TV. You've read about it in the papers. You've heard your Uncle Eddie talking about it. And now, finally, comes your chance to prove your worth: Dodgeball.

Starting Monday October 3, the tournament begins to determine which class in UW Eng deserves the title of Dodgeball Champions of the Universe. Games will take place outside during the lunch hours. Finals will happen during or after midterms. And yes, you heard correctly, there will be prizes. And glory.

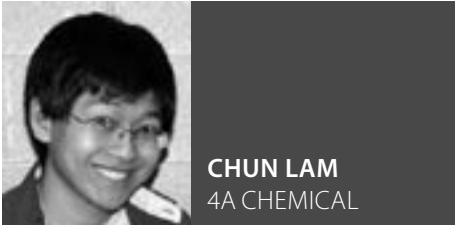
If you're interested in playing, form

a team of 8-15 people. To facilitate and encourage inter-team rivalries, make sure that all your team members are from the same class. There's no limit to the number of class teams you can have.

We need each team to also select a team captain. That captain should email us by Thursday, October 29 with a team name, a team roster, and the time your class is on lunch. That email is bsoc_athletics@engmail.uwaterloo.ca. That name again is Mr. Plow.

Looking forward to seeing as many classes as possible take part in the tournament. In the meantime, be sure to practice the 5 D's of Dodgeball: Dodge, Dip, Duck, Dive....and Dodge.

The CBC's Lockout



CHUN LAM
4A CHEMICAL

It's the third week of September, the days are getting shorter, the leaves are changing colours getting ready for fall, and incessant sound of flip-flops is slowly disappearing like the money in my bank account. With the coming of autumn, many new TV shows and movie dramas which are made with Canadian taxpayers' money debut on the Canadian Broadcasting Corporation (or the CBC). Such blockbuster shows as "Waking Up Wally: The Walter Gretzky Story" (the story of The Great One's dad's struggle to regain life after a brain aneurysm), or Trudeau: The Making of a Maverick (the prequel to the miniseries about the former Prime Minister loved by everyone except Alberta, Quebec, and president Nixon). Or if sports and politics isn't your thing, there's a biography of the Party for 2 lover, Shania Twain. Now, as I turn on the television the other night anticipating all these shows, instead of seeing Trudeau on the screen in a soliloquy I see a documentary on how the Americans betrayed the Plains Native Americans, who they subsequently butchered and ghettoized. In my confused state, I remember that the CBC is in a labour dispute and all the new programs are on hold.

It is Week 6 week of a labour dispute between the CBC and the Union (The Canadian Media Guild) that represents the world class on-air personalities of CBC like Peter Mansbridge, George Strombolopolous, Suhanna Meharchand, and, of cours, Don Cherry. Ever since August 15, 2005, the CBC has locked out 5500 journalists, on-air personalities, and technicians that had been working without a new collective agreement since March 2004. Ever since, the great shinning Canadian public broadcaster has deteriorated into showing reruns of Antiques Roadshow and programming from the BBC. There is some 'CBC' news left but it a 5 minute summary hosted by an Andy Stitzer lookalike.

So what are the sticky points in this,

yet another labour battle between union and corporation? Well.. money's always an issue, but more importantly, it's about job security and hiring practices. Being a government-funded corporation, the CBC has had its budget cut back consistently in the last 20 years by the Progressive Conservatives and Liberals in an attempt to rein in government spending. The CBC's government funding has dropped from \$1.3 billion in 1990 to approximately \$919 million in 2005. Since labour costs are high with any government corporation, the CBC has attempted to reduce costs by hiring temporary or contractual workers instead of full-time employees. These workers do similar work to that of

a full time employee, but at a lower cost to the CBC, since these workers typically don't enjoy the union benefits of full time employees, such as benefits packages and high wages. So work being done at lesser cost equals good thing for the CBC. Unfortunately, the union doesn't see it that way. With the hiring of such workers, the full-time staff become worried about a mass influx of these non-union workers replacing them at a cheaper cost.

However, the CBC feels that it needs to have a more flexible workforce to be able to compete with the private Canadian broadcasters like Canwest (who own Global and National Post) and Bell (who own CTV and the Globe and Mail), all of whom have deeper pockets and are able to bankroll more popular shows, especially from the USA. So it's job security versus company flexibility in this battle, and from the resolve of both sides the battle has transformed into a trench-style war for the last 6 weeks. However, the federal government has intervened, inviting both sides to a session on Monday September 26, 2005 where Labor Minister Joe Fontana will act as a mediator in an attempt to resolve the labour dispute.

So will the labour dispute be resolved soon? It doesn't look like it. However, both sides will come to an agreement eventually, and it will most likely be the union that will concede, as the union war

chest doesn't have the backing of the Canadian government like the CBC.

Now, of course, the conservative elements of our society are enjoying this self-destructive episode, as they have longed cited the CBC's liberal bias in its media and its defacing and criticism of the conservative point of view. Now, of course, this may come into play during the federal election coming in December. If the CBC is still locked out, then the conservative private media may help propel the Conservatives into power. But if the CBC and the union do come into agreement, the situation may not look rosy for the future if the CBC's funding remains stagnant, as operating costs rise over time, which could fold the CBC for good.

A future without a public broadcaster? That would be not quite beneficial. The beauty of public broadcasting, with the CBC as an example, is that its major funding comes from the public.

With private broadcasters the majority of funding comes from advertising from various private enterprises. Also, with private broadcasters, their main goal being a private enterprise is to generate a profit for the shareholders in the broadcaster. Thus, there is an inherent balancing act with private

broadcasters between presenting the facts and getting the most advertising revenue. Typically, advertising revenue searching get priority, which typically leads the private broadcaster to subvert or spin facts and events that may damage their ability to attract advertising revenue at the discretion of the owners of the broadcaster. Hence, viewers of private broadcasters may get a biased or narrow view of a story or issue with the world that may deviate from what is actual fact. Public broadcasters, on the other hand, don't have this type of censorship; since the majority of funds come from the public, they have a more open mandate to provide media with more varying opinions, even some opinions which may be factual but deface certain elements with society. This openness in programming shows within the CBC, with programs such as The Passionate Eye or Counter Spin which enlighten the public about events or issues that don't get much airtime on private broadcasters. The CBC provides a way for people to be openminded and not brainwashed by media of ideological extremes. So, personally, I say keep the CBC and its liberal bias, because a nation under the Fox News Channel, (the U.S.-based conservative, typically un-factual, sensationalist news network) would make us less Canadian; that is, less intelligent and tolerant.

"So it's job security versus company flexibility in this battle..."



One of the best things about the Canadian Broadcasting Corporation.

Pink Frosh Mascot Stirs Up Controversy



The Pink Frosh Group on parade with their mascot in the Engineering Quad. The mascot had to be zipped up out of sight for obvious reasons.

POINT VS. COUNTERPOINT

Premium Beer or Budget Brands?



DAN ARNOTT
2B ENVIRONMENTAL

If you've been paying any attention to the world of beer lately (and if you're in Waterloo Engineering it's safe to assume you have), you've probably noticed the proliferation of a lot of the so-called 'budget beers'. All sorts of honey browns, draft lagers, light beers and such, coming from the microbreweries and big names alike. Of course, these beers don't just appear out of nowhere (although many are the times I wish beer did just appear out of nowhere). Somebody is buying them. In fact, a lot of people are. Budget beers are all the rage.

But does that mean they're any good? Let's think about this. Expensive wines don't necessarily taste better than cheap ones, but that's because of all the heraldic snobbery and such associated with wine. Beer is a lot simpler. Water, yeast, malted barley, and hops. If the beer is cheaper, they must be cutting corners somewhere. It's like B-grade beef. We don't know exactly what's the matter with it, but we know it's gotta be something.

Of course, you can taste the difference. Cheap beers still taste essentially beery, and if they're suitably cold, they can serve as a passable beverage. Well, most of them. Lucky Lager is just nasty. But I digress. The thing is, while a cheap beer may taste the same as a good one when you're slamming it back, the flavours of a good beer really come through

if you're drinking it for enjoyment. And there's rarely the problem of that sludgy, bready taste at the bottom of the bottle. Also, many budget beers are watery and weak, since most cheap crappy beer is usually American. To be fair, some of the Canadian budget brands have fixed this.

As a student, it's important to look at why we're having a beer. If you buy cheap beer, you drink more and more of it. After a while, the experience of drinking beer begins to get old. You get disenfranchised with it, start sipping on vodka coolers or even (gasp!) wine. Or maybe you stop drinking. This is a sign of getting old, and you must fight it for all you're worth. But if you drink quality beer, you may drink less of it, but you'll enjoy it more, and the experience of drinking beer still holds charm no matter how many times you do it. Let's face it, you can't drink beer all the time. (For example, when you're giving a presentation to the management team on work term- don't ask). So when you open up a beer, make sure it's a beer you can enjoy.

Although some premium beers are mass-brewed (Guinness, Sleeman's), many of them come from small or local breweries which greatly contribute to community-based economies in Ontario (i.e. Wellington, Brick, Steam Whistle, Creemore). To be fair, independent breweries make cheap beer too, but if you're supporting a smaller business, chances are you're willing to pay a little more for quality.

So next time you crack one open, think about what you're doing. Have a premium beer.



MICHAEL SIMOES
2B CHEMICAL

Being a student, especially a student in engineering at the University of Waterloo, cash can be tight. Sure, there are work terms during which an income is made, and that income is usually spent on the high tuition we pay per semester. Plus, consideration goes into the cost of living away from home, food, and textbooks. It is not cheap to be a student in university in this day and age. Although cash is tight, being an engineer, with the motto, "Work hard, Play hard", an equal amount of time needs to go into stress relief activities, such as going to the bar to watch hockey, football or whatever sport is on TV. This can be an expensive experience. A pint at a bar on average is about four to five dollars. A pitcher is about ten to sixteen depending on when and where you are having the beer.

Being smart, intelligent and problem solving engineers, solving the financial situation was easy. Pre-drink. It is much cheaper, and it will probably save you a bundle at the bar. Now, to make this a cheap experience, someone is not going to go out and

buy premium domestic beer from the beer store. Why would they? They can probably get that same draft beer from whatever is on tap at the bar. They would usually buy cheap beer. One, the beer is cheap, and two, it does not taste bad. Some really good buck-a-beer buys are Lakeport Honey Lager and Laker Lager. Initially, people think the beer will taste bad because it is so cheap, but in comparing Honey Lager brands, say Lakeport to Sleemans, they taste the same with little variation.

The next point, what is your purpose for drinking? If you are the type of person who likes to go out and drink a casual beer on a social outing, then sure, buy expensive beer. It is worth it for your taste buds to be drowned in a good brew, but if you are an engineer at the University of Waterloo, the purpose for drinking is to get drunk. You can get drunk to either forget what

you have learned after finals or graduating, drown your stress or to alleviate the pain of you failing a midterm with lots of beer. You do not want to make this experience an expensive one. It is a waste of good beer, and that is considered alcohol abuse.

There is a reason why more and more brewers of beer are trying to go for the buck-a-beer deal at the beer store. There is money to be made in it. It is marketable to people who need to drink with low incomes, such as engineers. Cheap beer is good, and it gets the job done at a much lower price.

"Being problem solving engineers, solving the financial situation was easy."

Random Rant on Fashion Faux Pas in Waterloo



FRANCIS HOPE
7N ELECTRICAL

With warmer weather comes sun, fun and scantily clad women. But there is a down side to this and I feel that I am compelled to say it. There is the terrible fashion sense of some of the people at Waterloo, a condition that grows with time, kind of like the Waterloo goggles; the preconception that if a new fashion trend works on a celebrity, it will work on you. Just because you can wear something does not mean you should. If Jessica Simpson looked hot in Daisy Dooks in Dukes of Hazzard, it does not mean that a 40-year-old male prof will. In fact, I can say from personal experience that this is so, and as a result, had to buy another lunch because I "lost" my old one. Summer brings clothing that can be appealing in some cases, disturbing in others, and leave you questioning humanity in the worst cases. So here are some of the common fashion faux pas that I feel compelled to share, and hopefully this will make the campus more visually appealing as a result.

The first fashion trend is wearing pink shirts because Kanye West or Andre 3000 from Outkast do. When most people

wear pink shirts, they do not look like a trendsetter like Kanye, but instead they look like a pink flamingo, or someone who's wearing something that Martha Stuart would try to hock.

However, some fashion trends do develop on their own without celebrity intervention. The number one in the University is Waterloo track pants, or 'Wat-loo' stretch pants as they often appear. They get this name because of the fact that you never get to see the whole

"If Jessica Simpson looked hot in Daisy Dooks... does not mean your 40 year old male prof will."

name at once, only "Wat" and "loo". The "e" and "r" are forever lost to the nether regions. The coups de grâce is when "Waterloo" stretches out so that it is barely legible. Now, I can understand if you are too lazy to dress up sometimes. I am the same way. Many people have commented to me that I look like a vagabond when I don't shave. But on some of the pants the text has been stretched out so far that you don't know that it is supposed to spell one word until you look at it from a distance. This problem is easy

to solve by simply changing into another pair of pants.

The other side of the spectrum is the people that dress up like they have something to show but really don't. The low cut tops and the tight skirt and everything in between hanging out. I call this the sausage effect because if you squint you'll swear that you're looking at a sausage. Even worse is when these people decide to bring it to even more attention by putting a piercing through it, almost forcing you to look at it, resulting in severe mental trauma to the unsuspecting onlooker.

Bad fashion sense extends beyond clothing to other statements like hair style. I don't care if mullets were the things in the 80's, along with glamour rock, but they just are not in any more. Just because it is business in the front and a party in the back does not mean that you will excel at co-op and have the party of your life if you get this haircut. Also, dyed hair. Having your hair be as colourful as the LA strip is not a good thing, and simply because Strong Bad says, "Gotta have blue hair," does not mean that you do.

It's all really common sense. If the clothes that you wear and how you dress cause others to run away, the walls to peel, and babies to cry uncontrollably, then it is probably not a good fashion style. And simply because a celebrity does it does not mean that you should.

Editor's Note:

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

ENGINEERING
SOCIETY



Did you know you can earn valuable P**5 points for volunteering time at the C&D? Email Mary Bland at mbland@engmail.uwaterloo.ca to schedule your shift.

ENGINEERING SOCIETY EXECUTIVE REPORTS

VP Finance: So Money!



DAVID JOHNSON
VP FINANCE

Welcome to my first report of the fall term. My name is David Johnson and I'm your Vice President Finance.

For the Frosh:

You paid \$14 to the Engineering Society because EngSoc does lots of great stuff for you. Get to know our services, because they can be awesome! First of all, and likely most important to you financially, you can get some really cheap photocopies, faxes and binding in the EngSoc office (a.k.a. the Orifice). If you don't know where this is yet, it's down the hall from POETS. Your EngSoc fee also gives you access to the online exam bank. This is very helpful for taking advantage of professors who reuse old exam questions. The exam bank can be found at www.engsoc.uwaterloo.ca. Take advantage of these services, because EngSoc provides them to you at less than cost, so we actually eat up part of your cost to save you money. Also, if you need to make a phone call, EngSoc provides a phone for free local calls. It's in E2 by the SAE car, and it's the one on the right (the phone on the left is for on-campus calls only). Just dial '9' and away you go.

Do you like shopping? Well, you can shop at the Engineering Novelty shop! We sell things like shirts, car decals, beer-mugs, sweaters and other cool stuff. That's in the Novelty shop (right next to POETS) or in the Orifice. Look around the Orifice to see all the other services we provide. After all, you pay for it all, so in effect it's your Orifice. I won't go into all the detail about what else happens in the Orifice, but

EngSoc employs two full-time people to help look after things for you: Mary and Betty. Get to know them too! They're really nice and helpful!

For directors:

This is just a reminder to all Directors.

Budget request forms are Due Friday Sept 30th at 4:00 in the VP-Finance Mail box in the Orifice. If you don't have a Budget request form, you can get one in the Orifice. They are on the wall next to the Calendar.

For Everyone:

The EngSoc budget will be shown at the second EngSoc meeting. The EngSoc budget will be voted on at the third EngSoc meeting.

EngSoc Donations Procedure:

If you or your group/team would like to apply for an EngSoc donation, here's how:

1. Write a letter to me, VP Finance, clearly indicating how much money you are asking for, and where specifically you intend on spending the money. The more specific you are, the better. Make this a formal letter, as I will be posting it at the second EngSoc meeting on an overhead.

2. Submit this letter, and any other information that you want, to the VP Finance mailbox in the orifice by Friday, Sept 30, 4:00pm.

3. Attend the second EngSoc council meeting on October 5th. You will be given about one minute to address the society explaining why you deserve money.

4. Allocation of the money will be voted on by the EngSoc at the 3rd meeting Oct 19th.

That's about it, so remember:

MONEY IS GOOD

Your faithful servant,

David "he's so money" Johnson

Conference Fun



CHRISTINA WATERS
VP EXTERNAL

Welcome to the wonderful world of the VP External, a.k.a. The World According To Christina Waters!!! A little background: 3B Chem Eng, environmentalist, addiction to M&Ms, and your tour guide to fun!! To the frosh: welcome, and I hope that you have an awesome time experiencing all that first year will throw at you. To all of the rest: here we are, another year more mature (riiiight, 'mature') and

another year closer to IRS and graduation. Welcome back to all!!!

Things to look out for this term: Remembrance Day ceremony, Santa Claus Parade Float, charitable events benefiting the greater community, Women in Engineering events, Exchange events, Interfaculty parties (this equals girls for the sausage-inflicted classes, and actual dudes for the ladies of Engineering), and Shadow Days (see your friends/pick up a High school kid for the day!). All of this and so much more!

The light at the end of the tunnel for me is the magic word called 'conferences'. Two main conferences for the term are coming up really fast. A President's Meeting in Montreal just passed by

W**5 and Elections



ANDREA RAYNER
VP INTERNAL

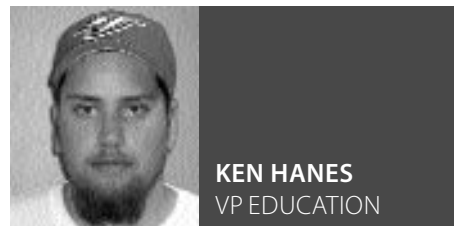
Greetings all. Hopefully the first few weeks of class have been well for you all. It was great to see so many people out at the first EngSoc meeting, hopefully you'll all be there again next time, which is, by the way, on October 5th. Today is W**5, that being Waterloo Wet and Wild Water War. So grab a Super Soaker or just a bucket of water and join in the fun. Coming up this week we've got our first Enginuity, watch for posters on the details for that. This Friday is also the beginning of this term's Scunt, thanks to the 2B

Chems for organizing that one. We'll have a cleaning event coming up soon, it might have something to do with feather dusters.

This term we'll be holding Elections for the new EngSoc Exec, elections will be on November 8th, nominations will be opening soon. So keep your eyes peeled and start thinking about whether or not you want to run for a position. If you want to find out more about any of the Exec positions, just send that Exec an e-mail, or come up and ask us. We're usually either in the Orifice or Poets during lunch.

That's about it, if anyone would like to add something to the calendar just send me an e-mail and I'll get that done for you right away. Other than that, have a great week! As always, if you have any questions or comments for me, drop me an e-mail bsoc_vpint@engmail.uwaterloo.ca.

VP Education Report



KEN HANES
VP EDUCATION

Welcome back, everyone! I hope everyone has had a good co-op term, and that now you're getting back into the swing of things. For you first years, I'd like to take this opportunity to welcome you to Engineering at the University of Waterloo and wish you the best. I want to encourage everyone to take time out of your busy schedules and come out to engineering events and have a good time. A note to the frosh, if you work and work all of the time, you're going to hate this place, so come out and have some fun.

So, onto education matters. First off, a reminder: final exams this year are only two and half hours instead of the usual three hours. It may be wise to ensure that your profs are actually writing two and a half hour exams instead of using the old three hour exams and forcing those in the new time slot.

Also, don't forget to check out the online course critiques that were imple-

mented last term. This is a great way to find out about a class that you may or may not want to take, and at the end of the term, when you fill out your course critiques, they will be published at this link. Hit the link and type in your quest ID and password, (you can't log on if you've taken back your EngSoc fee).

The link for online course critiques is: <http://www.eng.uwaterloo.ca/critiques/>

For frosh, if you are having problems adjusting to university life, or if you're having problems with grades, we have lots of resources to help you out. Frosh mentoring is a great chance to meet upper-years and have them help you out. Check out the below link which is for a discussion board and keep up to date for events that will be going on throughout the term. If you have any suggestions or concerns feel free to post on the board.

The link for frosh mentoring is: <http://engfrosh.uwaterloo.ca/>

Other than that, we have resume critiquing, co-op workshops, scholarship information, and a whole bunch of other student workshops for everyone. So come on out and get involved. If you have anything you need to get in touch with me about, feel free to come by the EngSoc office and leave me a note or email me at: bsoc_vpedu@engmail.uwaterloo.ca

(22nd-25th) and it included all of the Engineering Schools in Canada. Yeah, I can't lie; it was way too much fun. And the next President's Meeting (Sept 30th-2nd Oct) is for all Ontario Engineering Schools and is held at the University of Guelph.

A conference that can be attended by you is the National Women in Engineering

Conference held in Kingston, Ontario. This will be coming up the middle of November and more details will be sent out over the EngSoc email. And yes, guys, you can attend and be interested in all of the Women in Engineering that will be there.

Work hard, Study hard, Party hard, and enjoy the term!

Upcoming Events from EngSoc

Sun Sept 25	Mon Sept 26	Tue Sept 27	Wed Sept 28	Thu Sept 29	Fri Sept 30	Sat Oct 1	Check out up-to-the-day event postings on the EngSoc website at www.engsoc.uwaterloo.ca
			IW Issue #1 W**5, E2 courtyard		Budget proposals due Enginuity #1!		
Oct 2	Oct 3	Oct 4	Oct 5 Engsoc Meeting 5.30p CPH 3385	Oct 6	Oct 7	Oct 8	

ENGINEERING SOCIETY EXECUTIVE REPORTS

President's Report



KARIM LALLANI
PRESIDENT

I hope everyone enjoyed their summer break and is back into the full swing of things in Loo. I'd like to extend a warm welcome to all of the new first-year students. You should be proud that you were accepted into the top engineering school in Canada! We're happy to have you here. Be sure to have a balance between school

work and fun. If you don't have fun, it's definitely going to be a long 5 years at university.

If you haven't met the EngSoc executives, be sure to drop by the Orifice and introduce yourself to us. We try to be in the Orifice as much as possible, so come and visit us! The second

EngSoc meeting of the term is on Wednesday October 5, 2005 @ 5:30 p.m. in CPH 3385. Meetings are held

bi-weekly, so try to come to as many as you can. The meetings are a lot fun and you'll get a free dinner for coming.

A good way to keep up-to-date with EngSoc events is to be on the mailing list. To get on the mailing list, send a blank e-mail to engsoc_b_general_subscribe@yahoo.com. You don't have to worry about getting spam, because the mailing list is moderated.

There are over 100 directors this term that are excited to provide events

and services for you. I'm looking forward to the events that they have in store for everyone. All of the EngSoc events and list of directors is available online at the EngSoc website (<http://engsoc.uwaterloo.ca/www>). So, if you're interested in a particular event, you can either speak to one of the exec members or you can contact the director directly.

I am thrilled to be your EngSoc president, and I'm looking forward to an amazing term. If you have any suggestions for improvements, send me an e-mail or come see me in the Orifice. I hope to see you all at EngSoc events this term!

*"If you don't have fun,
it's definitely going to
be a long 5 years at
university."*

CECS

CECS Upcoming Special Events and Updates

TARA KEOGH
CECS

Faculty of Education Talks

On October 4, 5 & 6, Career Services will be hosting the annual Faculty of Education talks. This year's schedule has an extra day, marking the first time that UW is bringing international Faculties of Education to speak. Due to increasing numbers of students inquiring about international venues for teaching certification, it was felt that the international teaching

community be invited to talk to students about their options. Expected to attend are representatives from institutions in Australia, the United Kingdom and the United States.

Faculties of Education from across Ontario will also be represented over the other 2 days. All presentation will be held at the Tatham Centre, Room 2218, or 1208 on October 4, 5 & 6. Look on www.careerservices.uwaterloo.ca for a schedule of appearances. Video tapes of all presentations will be available

at Career Services Room 1214 starting October 24th.

Professional & Post-degree Day

Are you considering furthering your education after graduating? Not sure what your options are? To help, Career Services is hosting a Professional & Post-degree Day fair on Wednesday, October 12, in the SLC Great Hall from 11 a.m. to 2 p.m. Over 70 institutions from across Canada and from the United States will be on hand to promote their professional and post-

degree programs. Representatives will be present from many faculties for programs ranging from Masters degrees in Business, Environmental Studies and Health Sciences to programs in Education, Law and many more. Information on admission requirements, program features and courses will be available. Colleges will be on hand to inform you on post-degree designations and certificate opportunities. A list of participating institutions and programs is available at www.careerservices.uwaterloo.ca

October Important Dates and Workshops

October Dates

Ongoing:

Postings open every morning at 6 a.m. and close at 11:59 the following day throughout Initial phase.

Check Jobmine daily for: interviews, schedule changes and if you have ranked a job early, for matches

October 4-6

Faculty of Education talks – new this year: representatives will be presenting information on international options in Australia and the UK

October 11

Employer Interviews begin **There is a NEW ranking procedure offered this semester – check Jobmine help section for details.

October 12

Professional & Post Degree Day: Reps from Universities and College will attend to inform on planning further education SLC Great Hall 11:00-3:00

Info session: Dalhousie University info on MBA & ENG programs 2:00-3:00

October 19

Internship Fair for the Not-for Profit Sector- SLC Great Hall 11:00-2:00

Speak with representatives from various not-for-profit organisations about voluntary internships, both part and full time.

October 27

Last day of Initial Phase Interviews

October 28

Ranking Day: Rankings open 6 a.m.

and close on Sunday, October 30 at 11:59 p.m.; Co-ordinators are available for consultation from 10:00 a.m. – 12 noon and from 1:00-3:00 at the Tatham Centre

-First continuous posting opens 6 a.m., closes Monday, November 1 at 11:59

October Workshops

October 3

Career Decision Making 3:30- 5:30 TC 1208 Self Assessment, Occupational Research & Career Decision making

October 4

Introduction to Career Services Online Modules 2:30-3:30 TC 1208 Learn how to access and benefit from our new online modules on Resume Writing, Interview Skills, Work Search and Success on the Job.

Starting your own Business: Next Steps 4:30- 6:30 TC 1112 Picking up where the basics left off, this workshop will offer a more in-depth discussion on start-up issues: strategy and operational tactics, marketing, finance, human resources and R & D.

October 6

Business Etiquette and Professionalism 3:30- 4:30 TC 1208 This workshop covers dining etiquette as well as appropriate behaviour at interviews, employer receptions and other networking events.

October 7

Interview Skills: Preparing for Questions 3:30-4:30 TC 2218 Discuss and learn from taped excerpts of actual interviews.

October 11

Interview Skills: Selling your Skills 2:30-4:30 TC 2218 Do not stop at the fundamentals; you must also prove your skills in the interview. Here is your opportunity to practise and improve.

October 13

Introduction to Career Services Online Modules 10:30-11:30 TC 1208 Learn how to access and benefit from our new online modules on Resume Writing, Interview Skills, Work Search and Success on the Job.

Work Search Strategies 3:30-4:30 TC 1208 Practise networking and other strategies in order to increase the effectiveness of your job search.

October 18

Letter writing 4:30-5:30 TC 1208 Learn how to use letters to your advantage in the job search

October 19

Introduction to Career Services Online Modules 3:30-4:30 TC 1208 Learn how to access and benefit from our new online modules on Resume Writing, Interview Skills, Work Search and Success on the Job.

October 20

Successfully Negotiating Job Offers 3:30-4:30 TC 1208 Increase the odds of getting what you want when negotiating salary and other details related to your job offer.

October 24

Introduction to Career Services Online

Modules 3:30-4:30 TC 1208 Learn how to access and benefit from our new online modules on Resume Writing, Interview Skills, Work Search and Success on the Job.

Writing CVs and Cover Letters 12:00-1:30 TC 2218 Are you interested in a career in academia or research? This workshop will show you how to prepare an effective curriculum vitae and cover letter when applying for positions in these areas.

October 25

Are You Thinking about an International Experience? 4:30-6:00 TC 1208 Dreaming of going abroad to study or work? Come and find out what you can do to make your dream a reality, where to find the right information, how to decide where to go and how to make the most of your international experience.

Interview Skills: Preparing for Questions 2:30-4:30 TC 1208 Discuss and learn from actual excerpts of actual interviews

October 26

Work Search Strategies: Special Session for International Students 4:30-6:00 TC 2218 International students will learn best approaches to search for work in Canada after graduation from UW, including visa requirements.

October 27

Interview Skills: Selling Your skills 3:30-5:30 TC 1208 Do not stop at the fundamentals; you must also prove your skills in the interview. Here is your opportunity practise and improve

WEEF: What Would You Do With \$70 000?



MIKE SPENDLOVE
WEEF DIRECTOR

Like any other student-run project, WEEF requires student participation to function. Participation does, of course, include your financial contributions to the foundation, but it also means taking a part in ensuring WEEF benefits you. After all, \$70 000 a term can go a long way.

There are two main ways to get involved:

1. Become your class representative on the Funding Council (AKA WEEF Rep)

Each engineering and architecture class has 1 member on the WEEF Funding Council, and it is the responsibility of that rep to represent their class in all funding decisions made by WEEF. If you're interested, rest assured that there are only 2 or

3 meetings per term and each one includes dinner. At the first meeting, the reps watch as those who are seeking WEEF funding stand up and present their case, including presenters from the departments, student teams, machine shop, EngSoc and others. (Personally, I find this quite interesting, since you get to hear about the exciting developments going on all over the Faculty.) At the second meeting, those same reps decide who should actually get funded and how much should they get. One thing to remember: even if your class has a well-established WEEF rep, you can still take part in the decision. Ask your class rep to see the proposal booklet when it comes out, and speak to your class and rep about what you would like to see funded. Doing so helps to ensure that the reps are indeed representative of their class interests, and that WEEF remains a democratic institution.

2. Submit a funding proposal to WEEF

While this sounds like a lot of work, it is actually a very straightforward task.

In fact, it will soon be even easier when WEEF introduces an online proposal submission form. All that remains after completing the short form is a 5 min Q&A session or talk about your proposal. Virtually any product (services or expenses are generally not included with the exception of contest entry fees) that benefits engineering undergraduate education can receive WEEF funding, although WEEF prefers to purchase items for long-term or shared use. Examples include: better A/V technology in classrooms, RFID and electronics test kits, surveying or chemistry lab equipment, and tools for shared resources or student teams. If in doubt, send us an email or just submit a proposal. After all, it's your education, and that's exactly what WEEF is here for.

WEEF business: Refunds finish September 30th and proposals will be accepted between October 3rd and November 1st. Funding Council meetings will be posted online before October. Check out www.weef.uwaterloo.ca for more info.

WEEF Important Dates- Fall 2005

Refunds

Monday September 12- Friday September 30, 2005, 11:00AM - 1:00PM

Proposals Accepted

October 3rd- November 4th, 2005

Presentations

To be announced

Funding Council Meeting

To Be Announced

Board Of Directors Meeting

To Be Announced

Go to www.weef.uwaterloo.ca for further details and updates.

Hope In The Darkness Tour Passes Through Waterloo



MICHAEL SIMOES
2B CHEMICAL

The Hope in the Darkness tour made its scheduled stop in Waterloo, and played in the Humanities Theatre (Hagey Hall) on September, 24th 2005. The show was organized by Critical Mass and the President of the University of Waterloo Students for Life club, Theresa Matters, with all proceeds of the show going to Birthright, a non-profit organization of trained volunteers who are dedicated to helping pregnant women.

The show was opened by a comedian, Caustan De Riggs, a student at the University of Waterloo. He was able to warm up the audience with his comedy about not having hope. It was a good theme of jokes, and kept with the theme of the entire show, Hope in the Darkness. He was able to integrate new hip-hop, rap, and R&B lyrics into his comedy. Some of the artists he was able to parody were Ludicrous and Kanye West. Also, he was able to give light on any situation,

turning to books of Bible. He talked about how certain people like Job, who had hope no matter what happened to him. He was able to relate this to the math kids in the Cove (on the first floor of the SLC) dancing on the DDR (Dance Dance Revolution) machine, able to have hope in their social life.

After being warmed up to the theme of having hope in the darkness, Chris Bray and his band (Chris Moon on Electric Guitar, Ryan Thompson on the Bass and Ben Rigley at the drums) were able to play a set of songs written by Chris Bray. Some of the songs he played were, "Take me Home", "Afraid", and off his new album which will be out in October, "Just Hang On", "By my Side" and "I Believe". The songs were awesome, and had a really good spiritual feel to them. After the show, Chris said that it was awesome to play in front of an audience with so much energy. With this energy that the audience had he and his band were able to feed off of it, which made his performance that much better. It is obvious when performers have raw talent, but they take it to the next level with the help of the audience. It makes the audience/performer relationship so integral in any performance. For more information on Chris and his music,

visit: www.chrisbraymusic.com.

After a 10 minute intermission, where the audience was allowed to stretch and buy some merchandise, the headliners, Critical Mass came on the stage and went right into it with songs off their new album. The album, "Grasping for Hope in the Darkness" has been nominated by the Canadian Gospel Music Association for best Rock Album, and the band is touring to promote the follow up album to "Completely". The members of the band are David Wang (Lead Vocals) who is an Electrical Engineering professor at the University of Waterloo, and father of nine, Lawrence Lam (Keyboard) who is the VP internal for FEDS, Luke Kupczyk (Electric Guitar), Tracey Doyle (Djembe), Scott McKendrick (Bass), Paul Kieffer (Drums) and Harvey Armoogan (Mixing Console). All of the band members were in fine form, and played a really good concert. All the songs they played come with a story, or a purpose that it was written. The song "Dorian Gray" was written based on a comic book. Its theme is that looking at things that we should not be looking at, such as pornography, might seem fine on the outside, but inside, you're in trouble. Another song off their new album, "Love Neglected"

is about treasuring the relationships we have now because we might not know when they might not be there anymore. The song, "Your Mysterious Ways" is about offering up your sufferings to God, and like in Colossians, God will pour out graces upon you. The band closed their set with "Carry on my Wayward Son" a Kansas cover. After, they came out for an Encore, which had them play some tradition praise and worship tunes, "Trading my Sorrows" and off their second album, "Share it with the World". The concert was very good, and it really had the audience from start to finish. Like Chris Bray, Dave said that, "University students have lots of energy and it always gets me fired up performing".

If you would like more information about the band or the rest of the tour dates, visit their website, www.catholicrock.com.

Editor's Note:

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

Iron Warrior TEXTBOOK REVIEWS

BOOK/COURSE:

CIVE 331 (Systems)

REVIEWER:

John Olaveson, 3B Civil

The first impression from this book is the \$170 price tag. It's a thin book. How is the price justified? I spent less on a Calculus textbook and used it in more than one class. I immediately feel as if I've thrown \$100 away to my Civil Systems course (I will grant that the text is worth at least \$70, but no more than that).

Not to mention that the book isn't in colour. Not that it matters, since there

aren't any photos or graphs anyway. Just page after monotonous page, nothing to complain about.

BOOK/COURSE:

Calculus for Engineers (Trim), Introductory Calc, Calc 2, Advanced Calc

REVIEWER:

Dan Arnott, 2B Environmental

The Trim text is one of the most useful textbooks you'll purchase at UW. Usually used for the first three Calculus courses, this book is an excellent reference even in upper years and is definitely worth its

hefty price tag. It even contains a little bit of humour, such as: "When we told you not to think of dy/dx as a quotient, it's not that we were lying to you, it's just that we weren't prepared to tell you the whole truth." One downside to this book is its unwieldy size and weight- it can be tiring to lug this thing between classes.

BOOK/COURSE:

Probability for Engineers and Scientists (Sawyer et. al.), Enve 224

REVIEWER:

Dan Arnott, 2B Environmental

The Probability and Statistics courses are

taught using an excellent course notes package, so this textbook is superfluous. It can be used as a reference guide in later years, but if you keep your course notes package around, you likely won't need it. Borrow it, take it out of the library, and buy it used if you absolutely must.

GOT A TEXTBOOK REVIEW FOR US?

Send to iwarrior@engmail

Restaurants Around Campus: Pita Factory



JOHN OLAVESON
3B CIVIL

I have been a patron of the Pita Factory for many years. The Factory is one of the dining destinations in Waterloo Plaza. I keep going back because it's a great place.

The Factory offers a wide range of menu options. The meats consist of pork, beef, chicken, and gyros, prepared by grill, by stir fry, or by rotisserie.

Many vegetables selections await the hungry patron, including the standard tomato, lettuce, and onion, but also ranging out to exotic products like mushrooms, cucumber, and my favourite, pineapple. The Factory offers many types of cheese, like cheddar, parmesan, and feta. Top the works off with one or more of their sauces, and you've got yourself a tasty meal all in one bundle.

The Factory has a stir fry pita. They take rice, green pepper, and onion, fry it all up, and serve it warm. That was one of the most filling meals I've ever eaten, including turkey family turkey feasts.

For the patron who was dragged out to the Factory but doesn't like meat or veggies on bread, never fear! The Factory also offers fries and poutine.

To drink, options include coke

products, Fruitopia products, and bottled water. I'm probably missing something (I expect they carry iced tea from one manufacturer or another, but I cannot recall exactly.

Combo meals are available, usually a pita, chips and a drink. Don't forget to flash your student card for a discount. And don't forget to grab a stamp card. Buy 10 pitas, get one free.

The price is competitive with other restaurants of the same quality. Chicken caesar and gyros pitas sell for around \$6.00 with student discount. That's only a buck or so more expensive than a meal from Harvey's, and they don't have a stamp card.

I've always found the service to be professional, capable, and speedy.

Even on busy days, I've only ever waited in line about ten minutes before my food was ready. I often find I'm in and out within five. Although if I wanted to stay and eat, booths and tables are available, and there's a small

patio set up including umbrellas.

The pita factory will serve a wide range of dietary demands at a competitive price. It's a comfortable environment and I have always been satisfied.

Recommended menu choice: chicken caesar pita. Chicken passes most dietary restrictions I know of. The lettuce is always fresh (I absolutely hate any brown spots on lettuce), the croutons are crunchy, and the caesar dressing adds a savoury flavour. The warmth of the chicken and the cool sauce compliment each other very well.

"..one of the most filling meals I've ever eaten, including turkey family feasts."

The Iron Warrior: Your Propaganda Machine!



DAN ARNOTT
2B ENVIRONMENTAL

What can I do for the Iron Warrior?

Whatever you want! We need:

- Opinions
- Current events
- Sports
- Music/movie/book reviews
- Poetry/fiction
- Cartoons
- ProfQuotes
- Textbook Reviews
- Anything else you can think of.

We also need you to tell us what you'd like to see more of in the Iron Warrior. If you read it, tell us why. If you don't read it, tell us why. This is your paper, after all, it might as well be something you want to read.

What is the Iron Warrior?

The Iron Warrior, official newspaper of the Engineering Society, is a student-run publication which doesn't take itself too seriously and tries to entertain as well as inform its readers. It is also a forum for students to show their creative talents, discuss issues and opinions, and promote events.

Who puts the Iron Warrior together?

You do! You, the engineering and architecture students at the University of Waterloo. This paper is created by and for students, and it's nothing without you.

What can The Iron Warrior do for me?

The Iron Warrior is your propaganda machine. If you need to voice your opinion on campus, world, or personal events, write to us. If you want to promote an event, write to us. Use us to get your information out there! That's what we're here for. Our publication dates are listed on the door of the IW Office (CPH 1323B, across the hall from the Orifice). Send us whatever you've got.

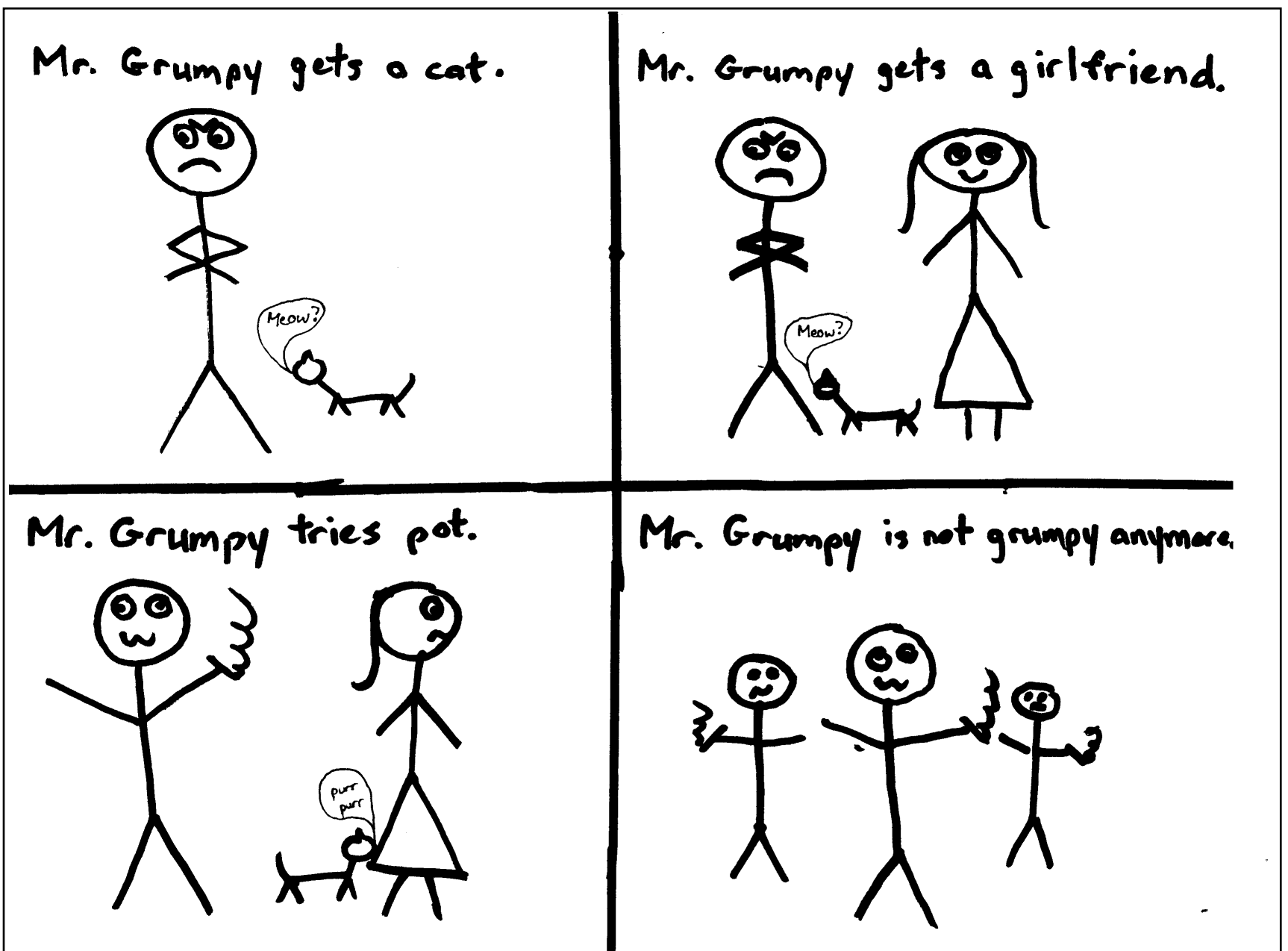
How can I find out more?

Send us an e-mail at iwarrior@engmail.uwaterloo.ca or darnott@engmail.uwaterloo.ca. Come by the office and talk to us (CPH 1323B, across from The Orifice). Watch for posters. We're looking forward to working with YOU to make the Iron Warrior the best damn broadsheet it can be!



Mister Grumpy

John Olaveson, 3B Civil



Cindy's Kitchen: Flourless Chocolate Cake



CINDY BAO
4N ELECTRICAL

So maybe I am going to end up like Cher. After I bid my farewell to all Bsoc IW readers, I am back again while working on campus. Not to shoot myself in the foot, I won't even guarantee you that you will have gotten rid of me for good after I get my ring in the winter, as there is still the possibility of grad school.

I always had a tendency of collecting recipes. As a matter of fact, I have more than a couple hundred of them saved on my computer that I have never tried. The sources vary from newspapers to cooking

websites. Among the many sites I have visited, I must say that the tried-and-true one has to be Epicurious (<http://www.epicurious.com/>).

I love the fact that most of the recipes they feature are from (mostly) actual food magazines and cookbooks, not the how-to-eat-to-shed-weight ones variety. Those recipes will never tell you to use margarine instead of butter (unless it's to keep the food kosher) and for someone who worships Julia Child, it definitely works.

However, my favourite feature has to be their advanced search function, which lets you search by main ingredients, so tick off what's left in your fridge and you may just be set for dinner. My last attempt to use up my chicken and eggs just yielded this herbed matzo ball recipe that one visitor claimed would have made his or her bubby proud. I am waiting for the mixture to set right now.

All in all, my most precious find from Epicurious has to go to the flourless chocolate cake, from the November '97's Gourmet magazine. It's so easy, yet incredibly decadent. The key, of course, is good-quality chocolate, the higher the cocoa content, the better. If you happen to not have bittersweet chocolate at hand, use regular ones, and cut down on the sugar. I once put about 150 g milk chocolate and half a cup of sugar, the result didn't disappoint at all.

4 ounces fine-quality bittersweet chocolate (not unsweetened)
1 stick (1/2 cup) unsalted butter
3/4 cup sugar
3 large eggs
1/2 cup unsweetened cocoa powder plus additional for sprinkling

Preheat oven to 375°F and butter an 8-

inch round baking pan. Line bottom with a round of wax paper and butter paper.

Chop chocolate into small pieces. In a double boiler or metal bowl set over a saucepan of barely simmering water melt chocolate with butter, stirring, until smooth. Remove top of double boiler or bowl from heat and whisk sugar into chocolate mixture. Add eggs and whisk well. Sift 1/2 cup cocoa powder over chocolate mixture and whisk until just combined. Pour batter into pan and bake in middle of oven 25 minutes, or until top has formed a thin crust. Cool cake in pan on a rack 5 minutes and invert onto a serving plate.

Dust cake with additional cocoa powder and serve with sorbet if desired. (Cake keeps, after being cooled completely, in an airtight container, 1 week.)

Makes one 8-inch cake.

'Corpse Bride' Review: Not 'Nightmare', But Not Bad



DAN ARNOTT
2B ENVIRONMENTAL

Remember 'Nightmare Before Christmas', the creepy fusion of Hallowe'en and Holidays written by Tim Burton? I certainly do- in fact, I still get that 'This Is Hallowe'en' song in my head from time to time. Well now, 12 years later, there's another stop-action claymation movie out with Burton's name attached to it- 'Corpse Bride'.

First off, you won't like this movie if you're looking for something genuinely scary, funny, or romantic. This movie is meant to be just plain fun. This time, Burton's in the director's chair, and

although he didn't write this one, his influence is still present in the spooky clay landscapes and exaggerated characters. Danny Elfman does the music again, providing us with several well-written and somewhat catchy musical numbers, although not quite as well done as those in 'Nightmare' were.

This movie isn't being marketed on the basis of any big plot twists, so here's the general gist of what happens. Victor Van Dort, a shallow, gothy-looking fellow who appears to be Robert Smith on a starvation diet, is engaged to be married to Victoria Everglot. This is their parents' idea- the Van Dorts want to marry into aristocracy, and the Everglots are penniless and want Van Dort's fortune. Neither Victor nor Victoria are very keen on the idea, but soon change their minds when they meet in person. Unfortunately, while practicing his vows in the spooky

ol' woods, Victor winds up proposing to a dead girl who basically wakes up and drags him 'underground' where there are a lot of singing, dancing skeletons and other such tomfoolery. Victor must find a way to get back to his true love without hurting his enthusiastic new bride.

Despite the inherent spookiness of the concept, it's evident that Burton didn't write this film- it's essentially a love story, and has entirely too many touching moments to effectively carry off the air of creepy coolness Burton usually does so well. It has a kind of bittersweet ending- I'm often a big fan of those, but if I'm going to be watching a stop-action musical with a whole lot of dancing skeletons, they'd damn well better come back at the end and dance around some more! As it is, they didn't.

But of course, the best part of this movie was definitely the claymation char-

acters. Although I'd take Jack Skellington's leering, empty-socketed mug over Victor Van Dort's mop-topped, wide-eyed, goth-pale face any day, there were more than enough funny-looking characters to go around. Highlights were the beak-nosed butler, the dead guy who split in half, the hunched-over, sideburned carriage driver, the main villain who looked a lot like either Jay Leno or Brian Mulroney, and Victoria's toadlike father. Oh, and the skeletons. There were plenty of them, each with some distinct quirk and some name like "Bonejangles" or "General Bonesapart."

Compared to 'Nightmare', 'Corpse Bride' is lacking in story and music, and the main characters aren't quite as engaging. But the visuals are great, and it's an unmistakably Tim Burton kind of movie. So if that's your thing, go check it out.



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TECHNICAL SPEAKER COMPETITION

Department competitions will take place until September 28. Winners from the departments will participate in the Faculty Competition on Thursday, October 6 at 10:00 am in DWE 2534. The winner of the Faculty Competition will receive \$300 while all other participants in the faculty competition will receive \$50.

All students are invited to participate in the Department Competitions. The presentation should be based on a work term experience, including one or more satisfactory written reports, but not necessarily the most recent report. Please contact your undergraduate office if you are interested in participating in the Competition.

DEBATES

The faculty-level debates will be held from 11:30 – 1:00 on Oct. 31, Nov. 1, & 2 in E2 Room 3324 (except November 1 is in DWE 2534) with finals on November 4 at noon outside Poets in CPH. Any students wishing to participate should contact their department for details. Each member of the top team at the faculty level will receive \$100.00 while the runners up will receive \$50.00 each.

Funding for these awards comes from engineering student contributions and depends on them for continuation.

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U2 Says 'Hello' To Toronto The Edge's Origins Revealed



JOHN OLAVESON
3B CIVIL

A group of Irish singers put on a series of four shows in the Air Canada Centre between September 12 and September 17. Every show was sold out within minutes after tickets went on sale. Thanks to some manic mouse-clicking last school term, I snagged a pair.

My tickets were for the show on the 12th, the first of the four concerts. My last class ended at 3:00; I went home, had lunch, packed some overnight gear, and hit the road around 4:00. Traffic on the 401 began to slow down at the Eglinton exit, but cleared soon after. I still had plenty of time; I pulled into Yorkdale's parking lot around 5:30. After a quick stop at Yorkdale's Indigo book store, I hit the subway. The sub broke down at the St. George station. All the passengers switched to the next train. I still had lots of time to make the show. I grabbed a quick dinner at Union Station's McDonalds. Since all tickets were pre-order, I did not expect to see the lineup at the doors. Hundreds of people were between me and the main gates of the ACC. The delay gave me enough time to finish my dinner, though. I was in my seat around 7:15, wearing my new Vertigo tour t-shirt.

Just after 7:30, Dashboard Confessional hit the stage. The ACC was approximately one third full at this point. I had only heard Dashboard's radio release *Vindicated* before the concert. In fact, I didn't even know who was playing until they played that song. Dashboard was quite obviously thrilled to be on stage. The band played with a great fervor, at least matching the intensity I remember from the Our Lady Peace concerts I have been to. Chris Carrabba, the lead singer, possesses a marvelous voice that spans two or three octaves. He sustained a very high note for a very long time, and did not even breathe before his voice slid into the next verse. The drummer also added his voice in a few songs, setting up a haunting harmony.

Dashboard played nearly 10 songs before exiting the stage to a chorus of cheers and hollers. I noticed that the ACC had filled up a little more, but was still only about half full. I wondered where everyone was.

How much time passed, I'm not sure. I let myself lose track. A wave carried

around the upper deck of the ACC for five revolutions before it died out. I'd like to see that happen at a Blue Jays' game.

The crowd grew anxious as the moments passed. Every time someone moved down by the stage, the audience held its breath, in case the band was about to take stage. Finally, the figures of Bono, The Edge, Larry, and Adam climbed onto the platform and picked up their instruments. Everyone in the audience (now a full audience, I noted) rose in respect and in joy, or maybe just to see over the heads in front of them. The Edge began to play. Vertigo. After the roar of cheers subsided, Bono began to sing.

I thought that Bono sounded different live than on recordings. His tone of voice had less resonance or something. Still, the man can sing. He invited the audience to sing along several times during the show. He let the crowd carry the first few verses of *Elevation* with Larry on the bass laying down the beat.

We learned that night that The Edge is from the future. Bono's own words. The Edge's response; he kept on playing the intro to the next song.

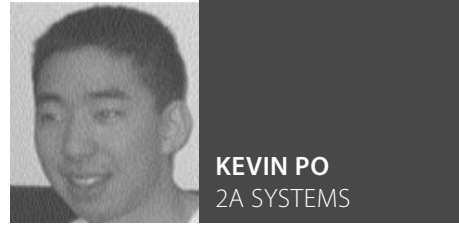
U2 brought a plethora of lighting, including light-curtains. The stage was encompassed by a "City of Blinding Lights", as Bono let us know how he saw our province's capital city. The curtains scrolled the flags of all the places "Where the Streets Have No Name". Fighter jets circled around the stage during "Bullet the Blue Sky".

Bono encouraged the crowd to let Prime Minister Martin know how we felt about assisting as a country the relief efforts occurring worldwide, and specifically in New Orleans. Bono also transformed the ACC into a Christmas tree of cell phone glows.

The show closed.... once. Bono changed into his costume from the *Achtung Baby!* tour and performed "Zoo Station" and "The Fly". "With or Without You" closed the encore.... well, the first encore. The crowd wanted more, and Bono obliged. The band acknowledged the audience with *All Because of You*, then closed with a song they had never played live before and which I had never heard before, so I can't give the name.

I noted that the crowd filed out in a very orderly fashion; it reminded me of the way public school students line up in rows for an assembly. I was expecting a mad dash for the doors. I guess great music and a great band can bring out the good in people.

Imagine The Best Title Ever. Write it Here:



KEVIN PO
2A SYSTEMS

Turns out I was fairly popular last term, so I am back with more attitude, run-on sentences, and poor diction. This past week I have been torn over whether to write about artists that are coming out with new CDs or just bands that have been on my playlist all summer. Here is how it turned out:

Imogen Heap / Frou Frou

Sounds like? Good studying music, with a digitized, dance-ish voice.

I totally forgot Imogen Heap last term. I know many of you guys watch the OC. Remember that song when Caleb Nichol dies and Kirsten Cohen goes on her drinking binge? Oh right, and the scene where Marissa shoots Trey in the back? Yeah, she is the one who wrote and sang that insane song. It is called "Hide and Seek" and is probably one of the best tracks I have heard all year long. Others may recognize her song from Garden State, called "Let Go". Either way, she has been on my playlist for the past few months and you should definitely check her out. Imogen Heap has come out with a number of albums individually and in a band (Frou Frou). She will also be appearing in some new Britney Spears song. I recommend "Hide and Seek", "Let Go", "the Walk", and "It's Good to Be in Love".

Sigur Ros

Sounds like? Beats me, they are just plain good.

Sigur Ros, from Iceland, is one of the few bands that are truly progressive. They essentially make most of their own instruments and come up with some truly unique sounds. They recently released a CD called "Takk..." and a video for their single, "Glossoli". The video builds on their earlier one for "Untitled", with that post-apocalyptic feel to it and is definitely something to check out. If you are into stuff like Broken Social Scene, these guys take it one step further. As for my picks? Just buy "Takk..." because it is NEAT-O.

Saves the Day

Sounds like? Emo is still a legal word, right?

Saves the Day has skills. Mad skills in fact. They have been at it for a long time, and I am not too well versed in their history, so we will skip that. The main reason I am mentioning this band is because they are playing a show with Say Anything, Senses Fail and the Early November. Say Anything is the best, so go to the show at the Docks in Toronto, October 29th. Here are my picks: "Freakish", "Nightingale", "At Your Funeral", "Sell My Old Clothes I'm Off", "Firefly", "I'm Sorry I'm Leaving" and "See You".

Coheed and Cambria

Sounds like? High pitched vocals from a guy with the largest afro I have ever seen, along with fast paced guitars.

Coheed and Cambria is pretty much a concept band. Their name, originally Shabutie, comes from two characters in

a story that spans their albums, starting from "Second Stage Turbine Blade" to their upcoming release, "Good Night Apollo..." (the name is too long and I have since forgotten it). It is a really convoluted story with comic books and graphic novels to add more background material to it. The basic premise is that Coheed is some super powered dude that holds the balance of the universe in his hands, and there is a crazy guy called Al the Killer trying to kill him. Al flies the Velorium Camper. Coheed's father, Claudio, died in the first CD. That is all I can remember, because the story is way too complicated for my engineering mind. Either way, here are my picks: "Everything Evil," "Delirium Trigger," "Junesong Provision" (it features a Bruce Campbell intro), "The Light and the Glass," "Keeping the Blade" and "The Suffering."

Funeral for a Friend

Sounds like? Screamo, but with no screaming.

Funeral for a Friend, from Wales (I think), is reasonably big in the UK. They have pretty much reached that My Chemical Romance stage that the latter band is enjoying in the US and in Canada. Actually, since MCR is now mentioned in this article, if you are into them, listen to Alkaline Trio because they are way better and have been at it for much longer. Anyways, F4aF has a number of catchy songs with heavy enough guitars to keep you enticed. My favorite songs are "Streetcar", "Hospitality", "History" and "Roses for the Dead". "History" is going to be huge and you should definitely check that song out.

Honorable mentions for this issue include:

- Rufio (sugar-coated pop-punk)
- Alkaline Trio (pop-punk with that mascara themed action)
- The Velvet Teen (more indie stuff)
- Panic! At the Disco (a more creative version of Fall Out Boy)
- Jack's Mannequin (Andrew from Something Corporate)

Check the above mentioned bands if you are interested in more new music. I have not decided what I will write about next issue, so it will be a total surprise. That's it for now. Later gators.

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

Great Bridge, Great Book

NEAL DAMGAARD
3B CIVIL

The Great Bridge by David McCullough.
1972. 636 pages.

The splendid tale of the design and construction of New York's Brooklyn Bridge is told in David McCullough's *The Great Bridge*. Begun in 1869 and completed fourteen years later, the bridge was considered a marvel in its time. Even today the structure is looked at as the standard for suspension bridges. Architecturally it is one of the most important American structures, and without it New York City traffic would be even worse.



The Great Bridge tells the story in the light of three remarkable personalities: John A. Roebling, his son Washington, and his son's wife, Emily Warren Roebling. John Roebling was a German immigrant with little formal training in engineering, but with an abundance of willpower, intelligence, ingenuity, and eccentricity. The project was his brainchild, though with his death in 1869 its completion fell to his son. Washington Roebling in some ways lacked the brilliance of his father, but his reliability and steadfastness of character more than made up the difference. Even so, the strain of the project was so injurious to his health that for much

of the construction he was unable to receive visitors and managed it through the mediation of his wife Emily. An intelligent and self-possessed woman, she became so important to the project that some began to wonder who was really making the decisions.

In order to tell the full story, the author also delves into the political, social, and religious milieu surrounding the project. The construction of the bridge was overshadowed by greed, corruption, and much finger-pointing and accusations of dishonesty. The work crews were controlled by Boss Tweed, who was notorious for skimming large amounts of cash from the government contracts he managed and for buying the necessary political support to keep out

of jail. Nor was there an abundance of honest men in the council appointed to manage the bridge construction. For example, the contract for the suspension cable wire was mired in controversy. The company that was eventually chosen to provide it substituted wire that was too brittle to pass for approved wire, although luckily this fraud was discovered in time and compensated for in the design. The council, as well as the general public, required convincing at regular intervals that to ensure them that the bridge was indeed able to be built and was not merely a gigantic waste of money. Politicians in turn adopted the project and abandoned it in

the Iron Inquisition

Philip Newman, 2B Systems Design



"Sell out of Pub Crawl shirts!"

- Stacey Charlton, 4A Geo



"Do the rainbow."

- Simon Zienkiewicz, 3B Civil



"Walk around Ring Road on my hands."

- Melissa Kerr, 2B Systems



"Figure it all out."

- Anton Paleshi, Systems grad student



"Pass class and still drink as much as I did last year."

- David Uncles, 1A Mechanical



"Get by with the minimum amount of work."

- Calin Thain, 1A Systems



"Remember to put pants on every morning."

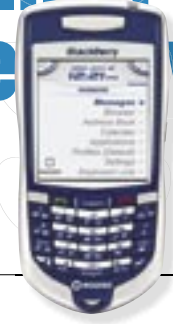
- Alex Petroski, 2B Mechanical



"To choose RIM."

- Aaron Johnston, 4A Mechanical

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order to use popular opinion to their advantage. And so on.

Through it all, however, shines the intelligence and integrity of the three Roeblings. It is mostly due to their confidence and perseverance that the project was continued to completion

and became the outstanding success that it is. The Great Bridge is an educating as well as an engaging read because it shows not only the grandeur of the Brooklyn Bridge project, but also illuminates the greatness of character behind it.

What are your goals for this term?