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# the IRON WARRIOR

THE NEWSPAPER OF THE UNIVERSITY OF WATERLOO ENGINEERING SOCIETY

VOLUME 27 ISSUE 7 | WEDNESDAY, JUNE 7, 2006



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## Once Upon a Hunt: The Story of the Havenger Scunt

AMANDA HOFF  
S06 SCUNT GOD

Who wouldn't love to live the fairy tale life for 24 hours? For the participants in this term's havenger scunt, this fairy tale dream came true (complete with a sappy love story)! Although only 4 teams showed up to compete (Math, or at least those who weren't busy running the event, 1B Systems, 4A Software, and the 2B "Mechalomaniacs Without Borders", which included a 2B Civil and a 2B Software), there was never a dull moment throughout the night. 1B Systems got off to a strong start, with enough team members there to double the turnout at almost every event.

The Mechs, on the other hand, started off slowly as many people had interviews and other commitments until later in the night. With 2 people on the road trip and 2 more manning the fort, the Mechs still managed to pull off a few spectacular event wins. Later in the evening, more team members showed up and, combined with the triumphant return of the road trippers from Stratford, this put everyone in high spirits. 4A Software, meanwhile, wowed everyone with their complete domination of the quest (out of 11 puzzles, they were only beat out on one!) while also providing stiff competition at the night's events.

Early Saturday morning threw a little romance into the mix as Little Red Riding Hood was acting out a skit in POETS and the Big Bad Wolf proposed to her! "My, what a big ring you have..." "All the better to propose to you with, my dear..." Congratulations to Lino and Kaitlyn on



*Once upon a Hunt, there was an excited engineer enjoying the sunshine in faraway Shakespeare Land. The theme for this term's SCUNT is focused on Fairy Tales.*

your engagement!

All in all, the competition was fierce and there was no clear winner for most of the night. At the end of the night, however, 2B Mech managed to pull ahead with an impressive set of acquisitions and spectacu-

lar recall of such well-known advertising slogans as "double your pleasure with: 2 girls instead of one", "pardon me, but do you have any: STDs?", and "how many licks does it take to get to the center of a: manda Hoff?" (wouldn't you just love to

know...!).

Thanks to everyone who participated and kept the energy going all night! Keep your eyes and ears peeled for news of next winter's havenger scunt action, which promises to be the best one yet!

## Police Siege MC Building

JOHN OLAVESON  
4A CIVIL

Mathies have once again proven themselves to be the most dangerous faculty on campus.

In the biggest police raid on campus in my memory, the Math and Computer building (MC) was surrounded by campus police, Waterloo police, and SWAT forces. About a dozen vehicles converged on the southwestern doors to the large blocky building. Students walking near the scene were accosted by officers in kevlar wielding assault rifles. Not the typical day on campus.

Reports indicate that a class of 4B software engineers was engaging in a toy gun fight in one of the classrooms. One student had his toy gun wrapped in black tape. Someone must have caught a glimpse of

this weapon and mistaken it for a real rifle. The cops responded with deadly force.

I couldn't help but recall the tales of the Montreal Massacre, where a disgruntled student killed all the female engineers in Montreal's École Polytechnique. With stories like this, I can see how someone could react to mistaking a toy gun for an armed weapon.

The siege ended and no one was physically hurt. I imagine there was some psychological trauma dished out among passing and participating students (myself included). The offending student was given a strict talking to, and no charges were laid.

Fun is fun, but be conscious of what you're doing and consider the implications and reactions of others. Waterloo doesn't want a reputation as a cop hangout.

**"I couldn't help but recall ...[when] a disgruntled student killed all the female engineers in Montreal's École Polytechnique."**

## Canada Scraps Kyoto

CANDY WONG  
1B SYSTEMS DESIGN

Since the Conservatives won the elections in January 2006, drastic changes have been made in Canada's climate change policy. When the federal government announced its federal budget in early May 2006, there was no mention of expenses for the Kyoto Protocol. The government abandoned the specific emission reduction targets of the Kyoto Protocol and is striving to set more realistic goals for Canada to reach tangible results.

Although the news may shock Canadians, this action may be beneficial to Canada. The government already has other plans in process to reduce emission. The federal budget had set aside \$370 million over two years for new tax credits that would benefit commuters who purchase monthly transit passes. Finance Minister Jim Flaherty also mentioned to develop a 5 year 'made-in-Canada' climate change plan that would cost almost \$2 billion; however, no specific details were to follow.

While the news may disappoint environmentalists, Canada definitely gets a boost in its economy. Companies in Canada, especially oil companies and power plants will have fewer restrictions on their operations relating to environmental concerns. Since Canada only produces 2% of global emissions, no serious changes would affect the global climate without the United States in the Kyoto Protocol. Therefore, the heavy cost of economic development and jobs is not worth the outcome in the long run.

However, Canada has a growing air pollution problem. An increasing number of children and adults suffer from asthma and other respiratory illnesses. Reducing greenhouse gases will also clean up the air we breathe by targeting not only carbon dioxide but even more environmentally harmful gases like oxides of sulphur and nitrogen that are responsible for smog. Kyoto gives goals and motivation for countries to stay on track. The penalty discourages countries from violating

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# From the Desk of Your Iron Editor



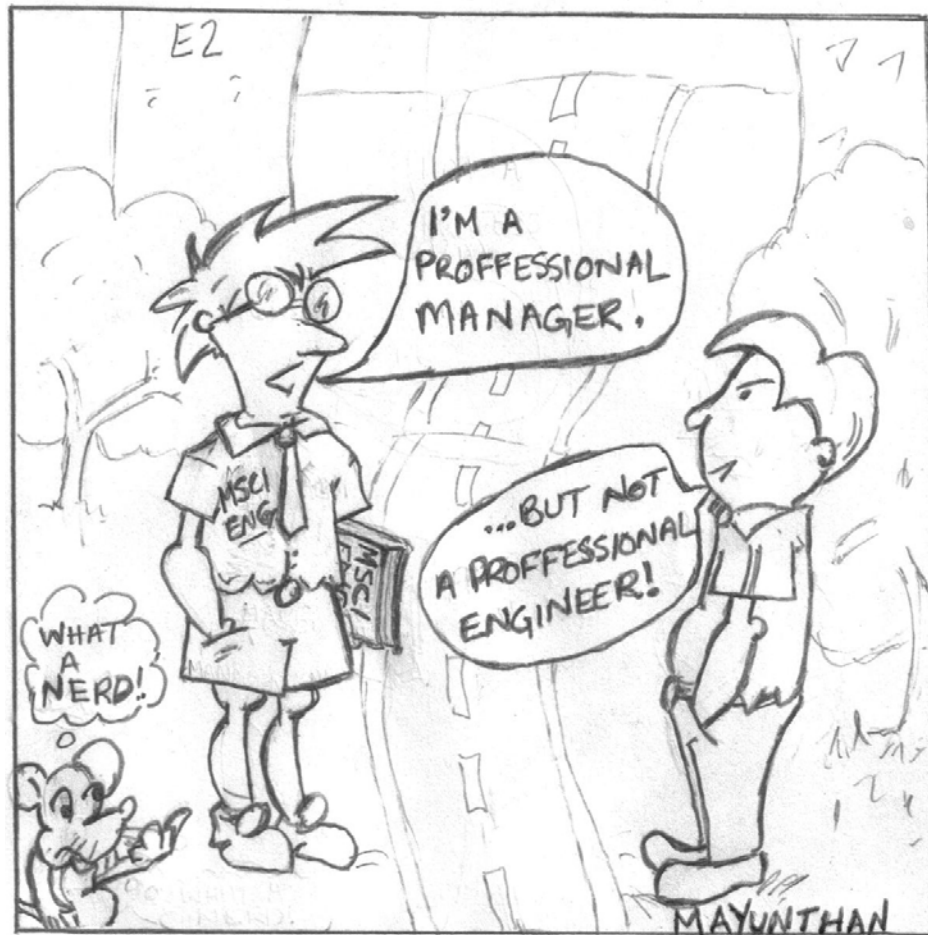
**GABRIEL CHAN**  
EDITOR-IN-CHIEF

Midterm season is just around the corner! If it hasn't hit already! And the weather does not seem to be co-operating, although it does set the mood for the darkness to come, if you haven't been studying (like me). This is the first time I have seen a hurricane hit Waterloo; if you have no clue what the heck I am talking about, I am referring to the several days of pouring rain and thunderstorms. If you were complaining about the scorching heat, complain no more!

Speaking of storms, two notable local ones have been brewing up lately. If you like hanging around the Tim Hortons at the SLC during odd hours, you will definitely be interested at one of these storms. The Food Advisory Board voted on May 31 to not keeping this Tim Hortons open for 24 hours per day for the spring term. In an apparently unrelated event, the café at the [real] Bookstore in South Campus Hall has been closed down since June 1. Why? To make way for another Tim Hortons! Now I suppose they will next replace V1 cafeteria with McDonalds or something.

The other storm is directed related to us. All of us. Because we are all engineering students part of this one big engineering family (a.k.a. faculty). And there is a new addition to the family. Its name is Management Engineering and it not been greeted warmly by some people. In fact, everyone I talk to is opposed to this new addition. Interested? Go read the Point versus counterpoint feature for a better breakdown.

Finally, the storm that is on the other



side of the Atlantic Ocean should be starting this weekend. If you are a football fanatic, you know exactly what I am talking about. It should be exciting to watch the World Cup this year. Unless their all-star line up is taken out or the Shaolin Football Team somehow joined the tournament, Brazil is clearly the favourite to win. Argentina, Italy, and the Netherlands are also seen as potential winners. Ivory Coast, Mexico, and the Czech Republic are seen as surprise teams to look out for. I compiled a schedule of the matches up until June 21.

As always, we welcome submissions of all types, be they articles, poems, pictures,

recipes, puzzles, midterms (no wait, those go into the Exambank). P\*\*5 points are awarded for submissions.

Iron Warrior meets every Thursday at 11:30 for 20 minutes if you wish to join in the development process. Our deadlines are bi-weekly on Fridays at 9pm (next one is June 2nd). You are welcome to submit after the deadline, but no guarantees that your work will be published for that issue. Our schedule can be found on Google Calendar.

This is by far the fastest piece of writing I have ever written (15 min). I should really start unwrapping those 'textbook' things.

## Cross-Canada Cycle: Coming Soon To Waterloo!

**MARK LONGO**  
4A ARCHITECTURE

Dear Iron Warrior,  
I am a 4A Architecture student currently writing to you from Winnipeg! I began my cross-Canada cycle on May 1st at Kilometre '0' in Victoria. I am cycling to support the Mikey Foundation, founded 3 years ago in southern Ontario to provide Public Access Defibrillators to high-risk, public areas. To date, about 120 units have been committed, each costing around \$3500

— including training for six staff, and maintenance for one year. The purpose of my ride is to raise awareness and monetary support for the Mikey Network across Canada. One day, our dream is to outreach nationally. The success of this year's ride will help with the organization of a larger one, which I hope to lead, in two years time, with more cyclists, larger awareness campaign, etc.

I am coming down into southern-Ontario, passing through Waterloo especially, in about 3 weeks from now. I would like to rally up riders to join me as I visit the main campus, cycle down King

St. into Kitchener and down to Cambridge to the Architecture campus. It has been a solo, self-supported ride up until a few days ago when I met up with a gentleman from Quebec who is riding to Sault Ste. Marie. I have been tenting and camping about 60% of the way (and staying motels to get out of the thunderstorms).

Thank you!

Mark Longo

Further reading:

[transcanada06.mlongo.com](http://transcanada06.mlongo.com)  
[www.mikeynetwork.com](http://www.mikeynetwork.com)

## IRON WARRIOR

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Society

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## the iron warrior magazine

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drop by our office (opposite the Orifice) or e-mail us at [iwarrior@engmail](mailto: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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## STUFF YOU SAY

# Decision To Cut Tim Hortons Hours A Complete Outrage



**EDWARD TAN**  
4A COMPUTER

Many people have already heard scattered reports throughout the term about the SLC Tim Hortons no longer opening for 24 hours a day. This became a reality on May 31st when the Food Advisory Board voted in favour of not keeping the Tim Hortons open 24 hours a day during the spring term. I attended

this meeting and I must say I was very disappointed. Once again we students were being shafted. However, I would have felt exactly the same if the vote had been in favour of keeping the Tim Hortons opened for 24 hours a day. At this point you may be thinking, "What is this guy ranting about? Them's engineers do nothing but bitch and complain all the time." I assure you this is not true, well, not entirely. However, before I get into more details about why I feel this way, I need to go over a bit of background information on this whole issue.

For those of use who have been at Waterloo for a long time, back when Fubar

was called Louie's and all Frosh were legal, may still remember that Timmy's used to be home to Ground Zero. That was a place owned and run by FEDS. It was a place for students to gather and socialize. When Ground Zero was closed down and Timmy's was built there, the ownership of that area was also signed over. One of the conditions at that time was that the Tim Hortons remain open 24 hours a day. This was to provide students with a place to go for coffee and to socialize at any time of day or night. This was a place to provide the under-aged students with a wholesome alternative while the rest of us get drunk off our asses and piss all over the - oh wait,

I'm getting into a different article here. Anyways, the point is the Tim Horton's was not just supposed to be a business, but a service for the students.

That's why a lot of us felt like we were getting the short end of the stick when they decided to cut down the hours of Tim Hortons. It's like another large corporation was screwing us students over so that they can make a bit more profit. This, however, is a popular misconception. The profits and losses do not go to the Tim Hortons corporation. Instead, it is a franchise

*Continued on page 3, see SLC*

## 10 Ways To Throw An Interview

What co-op doesn't want you to know!



**PHILIP NEWMAN**  
3A SYSTEMS DESIGN

You've been warned. Don't apply to a job that you don't want. We've all been there. The lure of an easy interview or something near to home is often stronger than the logical reasoning skills this institution has been pounding into us. So what can you do if you are dumb enough to apply for a job you don't want and somehow manage to get an interview? You

might think that telling the interviewer "I don't really want this job" will work. I've tried this technique; the result was a long, lonely, cold 4 months in Peterborough. Here is a list of 10 techniques that will almost certainly work. Not all are guaranteed to work but give them a try if you end up with a second round interview that you don't want.

10- Show up drunk. Even better, offer a beer to the interviewer.

9- Play games on a laptop while in the interview.

8- When asked about your strengths, talk about your weaknesses. When asked about your weaknesses, talk about your weaknesses.

7- Answer all questions in rap. This works well for serious interviews with financial institutions.

6- Answer questions with questions. When asked about qualifications, answer saying "what are your qualifications!?"

5- Accidentally drop fuzzy handcuffs out of your bag.

4- Every time they ask you a question, somehow shift the topic of conversation to your pet iguana.

3- Answer technical questions in interpretative dance.

2- Show up wearing full knight's outfit (with sword and shield).

1- Bring a small water-gun and spray your interviewer while he is taking notes.

## Hail to the Chief?

**DAN ARNOTT**  
3A ENVIRONMENTAL

Does anybody know who our University President is? Does anybody know what he looks like? Does anybody know what he's doing for us? The first two took some research, but I'm still guessing on the last one.

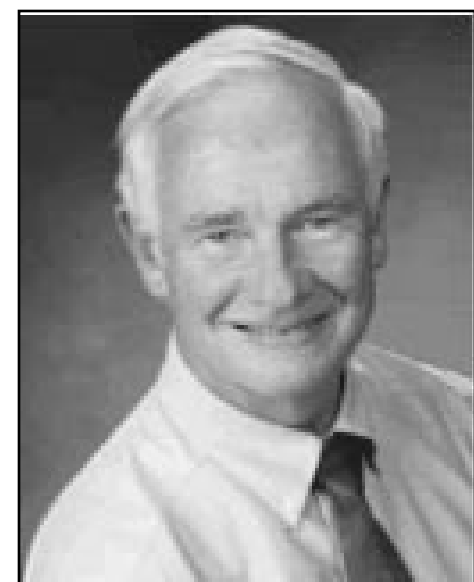
Apparently the President of the University of Waterloo, sixth to hold that title, is one David L. Johnston. His picture is shown below for those who don't know what he looks like. I've only spotted him once, hurrying off somewhere on campus. But as to whether this man is doing a good job of leading our university is anyone's guess.

According to the University of Waterloo website, he's been doing a great job of encouraging academic/business partnerships, promoting our reputation abroad, and other such lofty tasks. But as an undergraduate student, I can honestly say I've never dealt with him. If he's really doing all these wonderful things, why isn't he sharing some of his successes with the undergraduate population? After all, Waterloo's successes belong to all of us.

Could it be that Dr. Johnston is embarrassed by us? Perhaps a rowdy, ragtag band of undergrads like us don't fit into his vision of a university run like a big business, like, I don't know, RIM or something. Is he ignoring us in the hope that we'll go away? I've heard it said that Needles Hall would run a lot smoother if it wasn't for all the profs and students.

It doesn't need to be this way. There's another well-respected Ontario university just a few minutes down Highway 7 from

*Continued on page 7, see Questioning*



## Jobmine, You're Hired!



**HAROUT MANOUGIAN**  
3A ELECTRICAL

There's no denying that everyone in co-op has been frustrated with the system at some point or other. It's very rare that a student takes a step back and looks at Waterloo's co-op system taking everything into account. When you do, you really appreciate the value that CECS adds to your education.

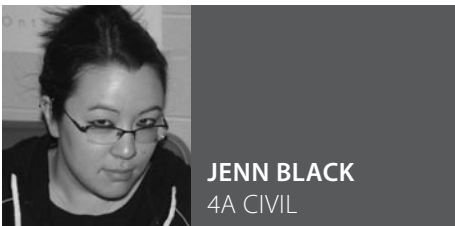
When my cousin was studying computer science at UW in the 1990s, the co-op system was very different. Job "postings" were physically posted up on a wall where hundreds of students would crowd around trying to read job descriptions. Also, the Tatham Centre was not built yet and administrative staff would have to give up their offices for interviews to be conducted.

When I was a frosh in fall 2003, we had a whole building devoted to CECS, and an on-line "ACCESS" system for displaying job postings. However, students would have to rush to photocopy and staple physi-

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## Living In A Disposable Society

The convenience of technology



**JENN BLACK**  
4A CIVIL

In today's rapidly evolving technological society, by the time you get your hands on the latest edition of the trendiest new thing, the next permutation of it is already on the market and upgrading is inevitable. The old model is obsolete and so it becomes garbage. The quest to have the newest, most advanced version is addictive and that fuels the charge to develop more and more new products at lightning speed.

This addiction isn't limited to the "e-products" such as MP3 players, computers, and cell phones. The household cleaning industry has jumped on the bandwagon as well. In the case of household cleaning products, not only are the preceding models disposable but the newest products themselves are disposable. The idea of single-use clothes, brushes, sponges, or pads may seem appealing, the message they send is not.

The tagline of a certain sweeping system is, "Start cleaning your floors without all the hassles of the mop, bucket, broom, and dustpan." The evils of these implements have long been extolled in many a

disgruntled housecleaner's handbook but is this alternative any better? The marketing team touts the ease of a cleaning pad you just toss when you're done sweeping. To distract the consumer from the obvious environmental detriments of the single-use mentality, advertisers make using the product seem fun, edgy, and trendy. In reality, it's still housework and we would all like to spend our time doing other things.

To ensure that all your cleaning needs are covered, there is also a model with a mini vacuum, one for dusting, a super-sized one, one with its very own cleaning solution, one with a telescopic pole, and even one for the carpet. All with their own cleaning pad that you just pop in the trash when you're done.

Economically, the first purchase of these items is relatively inexpensive. The companies that produce these products make their money on the re-fills. Cleaning is something that the general consumer needs to do on a regular basis and each time requires a new single-use pad. Seeing as these products are sold by multiple different companies, to ensure that the consumer cannot buy a less expensive refill kit, all the products are compatible only with the corresponding company's refills. The fierce

*Continued on page 7, see Modern*

### How to Submit a Letter to the Editor

The Letter to the Editor section will feature short blurbs on issues that the reader cares about. Letters are significantly shorter than articles (100-200 words). Submit letters to [iwarrior@gmail.com](mailto:iwarrior@gmail.com) with subject line "Dear IW".



## STUFF YOU SAY

## SLC Tim Hortons Reduces Operating Hours

Continued from page 3

owned by the university's Food Services. All profits and losses experienced by Food Services go straight back to the students. This was not a case of a large corporation screwing more money out of students, like Greyhound suing FED bus.

Now we can establish the two sides of this issue. On the one side is FEDS representing a student service, a place for students to get food and socialize, which can be accomplished by keeping the Tim Hortons open 24 hours a day. On the other side is Food Services representing the financial interests of students. If Food Services suffers a loss so will the students. Therefore, financially, it is in the best interest of students to only open the Tim Horton's during peak business hours.

As I see it, this whole thing started going downhill as soon as the issue was brought to the Food Advisory Board (FAB). This is what happened at the meeting on May 31st. Both sides had to present their arguments to FAB and then the members of FAB would have to vote for one of the two sides. This means that one of the sides had to lose and since both sides represented student interests, it was the students who would lose something one way or another regard-

less of the outcome of the vote. The whole meeting had a very adversarial atmosphere to it. It reminded me of people haggling at a flea market. One side would start high, "we want Tim Hortons open 24 hours a day". Then the other side would return a low offer, "it should only be opened during peak business hours". Then both sides would take turn trading hours like it was currency until an impasse was reached at which point the vote took place.

For those of you who don't know, the final outcome of the vote was to change the business hours of the Tim Hortons during the spring term. The times are Monday to Thursday 7:00am to 11:00pm, Fridays 7:00am to 7:00pm, Saturday 12:00am to 5:00pm and Sunday 12:00am to 10:00pm. There would be closing on various holidays as well. This was the final compromised proposal from Food Services that FAB voted for. I find this to be an unsatisfactory result because it is not the ideal solution for either side. FEDS is obviously not satisfied because there is no longer a 24 hour service. This is not

the ideal solution for Food Services either, because the Tim Horton's is still opening during non-peak business hours and it is still opening 24 hours a day during the other terms.

This whole issue should never have been taken to FAB in the first place. FEDS and Food Services should have gotten together

to negotiate a solution that both sides would be satisfied with. I know no serious attempt was made at this because of all the surprises that occurred during the meeting with FAB, FEDS was still missing periods of financial statements from Food Services, while Food Services was presented with accounting projections

that they had never seen before. The purpose of negotiations is to understand the problems and interests of the other party so that creative alternative solutions can be explored that satisfy both parties. Now, there were a lot of these creative solutions that were proposed during the meeting, but they floated around for a bit and were promptly dropped. That's because both

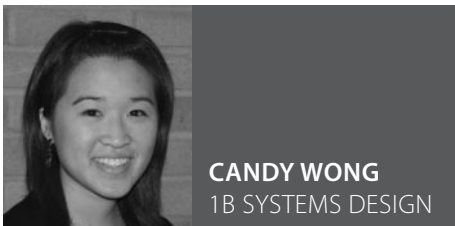
parties knew that by the end of the meeting they had to get FAB to vote for their proposal. Incorporating these creative solutions into their own proposals did little to help this objective. Thus, there we simply dropped. The focus of the meeting was very narrow, only centred around adjusting the business hours. There were many creative alternatives, such as opening another cheaper food service for students while the Tim Horton's was closed. Granted, there are some problems with the approach, but it is at least worth a serious examination and consideration. This cannot happen at a meeting where the final goal is the vote rather than coming up with a mutually beneficial solution.

I personally feel that such negotiations between the two sides are possible because of all the similarities between them. Both sides represent student interests. They want to provide students with the highest quality service at the lowest financial burden. Neither side would consciously say I want to screw the other guy over, well, I hope not. Why this whole thing was brought to a vote? I don't know. Maybe it's our preference to exercise our right to vote at every possible occasion. Maybe we enjoy seeing at least one side losing like this were some soft of reality TV series. "That my friends, is what grinds my gears."

*"The meeting reminded me of people haggling at a flea market . . . both sides would take turn trading hours like it was currency until an impasse was reached ..."*

## POINT VS. COUNTERPOINT

## ManSci: Managerial Engineering



CANDY WONG  
1B SYSTEMS DESIGN

The new Management Science undergraduate program will serve as a grand addition to the Engineering faculty by enhancing the variety of courses and possibly more diverse characters in the students. Not only will the faculty attract an increasing number of bright students, the program will educate individuals in a manner that is much needed in the present workplace.

In the ever-changing business world, Engineers are obligated to make confident and wise decisions for business dilemmas based on their knowledge and experiences. Although most students are smart enough to tackle these problems by themselves, they lack formal education, skills, and techniques in this area to solve problems with optimal solutions. The University of Waterloo does not offer a wide range of business courses open for all students. Moreover, Engineering students are restricted to minimal elective courses due to the rigour of their core courses. The only resource that students acquire business knowledge from is through their co-op jobs or the newspaper. The ignorance of engineering students in business understanding limits their full potential in possible careers in the business path or as an entrepreneur. The addition of the Management Science program benefits all students in the faculty by allowing them to take these options as technical electives. Companies who hire coop students will definitely be impressed with the diversity of knowledge that Waterloo engineering students acquire through their education.

In particular, this Management Science program will satisfy the Finance field and technology related companies. The field of Finance requires individuals who have strong math skills along with business knowledge. Students who graduate from Business Administration or Commerce programs lack the mathematical skills but are proficient in business knowledge. Waterloo engineers are exact opposite in the sense that we have exceptional technical skill but lack a business foundation. The Management Science program will produce engineers who are adept in both areas, who will become a desperate need in the workplace.

The core Engineering courses not only teach students concepts in Physics, Calculus and the works; but the analytical skills that student develop through solving these difficult questions will prepare them well for more complex problems in the workplace. Adding management courses to the curriculum enhances the student's awareness of the hardships and difficult decisions that revolve around money and marketing tactics. Students will learn to make clever, educated decisions on marketing schemes, financial matters and formulate plans based on the economy. This complex connection between the courses is a demonstration of how concepts from different fields of business studies contribute to the operations of all companies with the added touch of resolving conflicts with Engineering criterion.

Leaders are innovative bright minds who see the 'big picture.' There is not an iota of doubt that all Waterloo engineers are brilliant and opening the Management Science program will definitely allow them to view conflicts presented in different areas of the company. Formal business education will build a well-rounded character in students that will make them a more attractive employee in the workplace.



TERI LEUNG  
1B SYSTEMS DESIGN

Waterloo's innovative behaviour brings us yet another new and exciting program: Management Engineering. This time though, it seems to be lacking in conviction. So similar to so many other existing engineering programs, this program sends engineering students in perplexity and confusion – a familiar program with an unfamiliar name?

Attractive and alluring in its presentation, attractive and alluring may be the only thing it is. Engineering interest and enrolment have been on the decline. The creation of Nanotechnology and Mechatronics has increased frosh numbers by over 1000 - if it works, use it again! Except unlike nanotech and tron, the program does not seem like a new field of engineering that does not exist in the world. It is a fact, and has been for a long time, that the management science option can be taken with any of the engineering programs. Then what is it more than but a new flashy label, bringing us back to the theory of... advertisement?

The real implication of the decision is whether there is a job clique for a "Management Engineer." Management includes knowing the technicalities of what one is managing, maybe not all of it, but enough to make sound knowledgeable decisions. That is why the traditional MBA program (Masters of Business

Administration) is taken after a technical undergraduate degree in addition to 2 years of after-grad work experience. The Management Engineering program's attempt to jump start project managers out of its students after graduation may just be as naïve as a co-op student hoping to get promoted to the senior management level during his first work term.

Looking at the structure of the ManEng program does not seem to justify the ability of the program either. The first-year courses are the basic courses taken by all engineering students. Starting immediately in second year however, the courses consist entirely of management science courses, in which the electives are technical engineering courses. So would it be correct to make the implication that this is a business or information technology program with a specialization in engineering? If so, is it not in the wrong department?

Those students lobbying against its creation may not be doing so unjustified. Although, we no longer have to decide which program to enrol in, but it is still worth our thought, and in the near future, our vote.

## Editor's Note:

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

## STUFF YOU SAY

## The Disabled Have Enough To Deal With

HAROUT MANOUGIAN  
3A ELECTRICAL

Waterloo is one of the most accessible campuses in Canada. We even have a whole department devoted to students with special needs. It's called the Office for Persons with Disabilities (OPD). What's ironic is how difficult it is for a disabled student to actually receive any help. This is the story of my temporary disability at UW.

In my 2A term, due to a freak shirtless, shoeless hall soccer accident, I ended up with a broken toe. Obviously it wasn't the end of the world but I was confined to crutches for the remainder of the term. Thus, due to my temporary disability, I was interested in using the Student Access Van to class. The Office for Persons with Disabilities operates this very helpful service where an accessible minivan shuttles immobilized students around campus. It wasn't that it was impossible for me to crutch to class; it was just slower and sweatier than getting a ride. So, since the service was there for people in my situation I decided to call up the OPD. If only I had known what was in store for me.

The OPD said that they would love to offer their services to me but I first needed a medical document from Health Services to confirm my temporary disability. It seemed odd that in order to use a van intended for people who have a tough time getting around, you had to make your way across campus to Health Services. Nevertheless, the next day at lunch time, I did it anyway and, after perspiring a gallon and a half, I had made it to Health Services from UW Place. It was only after I had arrived that I was told the form cost \$10. As I did not have the money with me at that moment, I asked if it would be possible to bill me for the amount. I was told by the nurse that that was not possible and that I would have to return with \$10 to pick up the form.

A little taken aback that someone who worked in healthcare was telling me that I would have to crutch myself out of the office and crutch my way back in order to pick up a form whose purpose was to prevent me from having to crutch around campus, I went and had lunch with my friends. After my afternoon classes, I took some money out of the bank machine and, like an idiot, crutched my way back to Health Services. A different nurse spoke to me this time. She told me that those forms get locked up at 4:30pm and that I would have to come back the next day. I explained to her that the reason I need the

form was because I did not want to have to crutch around campus and that this was the second time I was being turned away. She told me there was nothing she could do and so, I crutched back to UW Place, empty-handed.

The next day, my good friend Ritesh told me he was headed to Health Services. I gave him \$10 and asked if he could pick up the stupid form for me. (I was obviously frustrated at this point.) Twenty minutes later, I received a phone call. It was Ritesh. He said that the nurse wouldn't give him the form because I needed to come in person and sign a release form authorizing Health Services to give out my medical information. I lost it! The whole reason I needed the form was to STOP CRUTCHING around campus. I wasn't going to go there a third time. I told Ritesh to forget about it. I decided to cut my losses and crutch to class on my own for the rest of the term instead of pursuing this wild goose chase.

So the term came and went. I crutched everywhere I needed to go. I left early to get to my exams at the PAC in time. (The OPD could have arranged for me to write it in Needles Hall, but I needed the cursed form to qualify as disabled; after all, I could have just been faking it so I could get driven to class and write exams on my own, right?) In the end, I got through the term on my own - and developed very

toned triceps.

Lo and behold, what did I find when I got home after my last exam? A bill from Health Services for \$10. That's right. I paid \$10 for a form that I never received, whose purpose it was to prevent me from having to crutch around campus but ended up only inconveniencing me by forcing me to crutch even more than necessary. All this after being told that it would not be possible to bill me for the amount. Sure, I could have refused to pay it like a sensible person. However, I was leaving for my work term in Armenia in 4 days and didn't want to risk having my transcript withheld as I needed to submit it to renew a scholarship. Talk about adding insult to injury!

I'm not the only temporarily disabled person to suffer at the hands of excessive bureaucracy. My friend Andrea got into a car accident during her first work term. When she started her 1B term in the summer, she couldn't even use crutches for about a month and needed a little motorized scooter for transportation. Two weeks ago, she had an operation to take some metal rods out of her foot, leftovers from her first surgery. This has left her back in crutches again. Unfortunately, both this term and the one right after her accident ended up being spring terms, during which the Student Access Van is unavailable. I got along fine with a broken toe, but the shuttle would be really useful to Andrea.

## Grand House Student Co-op Building Project

TANYA MARKVART  
G.H. CO-OP

Although the University of Waterloo's School of Architecture is located in downtown Cambridge - far from the hustle and bustle of UW's main campus - the School is buzzing with a tight-knit community of Undergraduate and Graduate students. This "buzz" is generated by the collective spirit of the students here. Fueled by an enduring ingenuity, they never seem to stop working.

One product of this resourceful spirit is the Grand House Student Co-operative, founded by Master's student, Chantal Cornu. Incorporated as a not-for-profit organization in 2005, the G.H. Co-op is Chantal Cornu's

response to the lack of affordable housing in downtown Cambridge. The group of students who formed the Co-op quickly embraced an initiative to build a 10-bedroom student residence - just a ten minute walk from the School. This vision for affordable student accommodation is coupled with their commitment to utilize environmental design principles, from project conception to construction. Working with input from students of other disciplines, the residence will employ straw bale construction, recycled wood for the floors, non-toxic paint, solar panels, a green roof, and a wastewater and grey water filtration/recycling system.

To date, all of the efforts spent on the G.H. building project, including building design, building materials research, site plan approval applications, employee hiring, events, and fundraising, have been generously supported by grants from the co-operative sector, the housing sector, and student associ-

ations. These include the Co-operators Development Grant, Canada Mortgage & Housing Corporation Seed Funding, Ontario Co-operative Association Development Grant, and the Waterloo Engineering Endowment Fund Grant. The G.H. Co-op has also received support from the Cambridge business community in the form of services and time. There is a sense that this project has truly blossomed into a university and community integrated affair.

As the date for construction (this fall) draws nearer, the G.H. Co-op continues its efforts to fundraise capital for a mortgage and for construction costs through their BUY-A-BALE campaign. Supporters of the Grand House sustainable building project feel that they are contributing to the dynamic growth of downtown Cambridge. Once constructed, the 10-bedroom residence will stand as a tribute to Green building design, and to the community that helped drive the G.H. Co-op's goals to



Chantal Cornu: G.H. Co-op Founder

fruition. You can read all about their initiative at <http://www.grandhouse.wacsa.org>.

## CSE Course Review: ENGL 208H Arthurian Legend is a Good Mix of History and Creative Writing

HAROUT MANOUGIAN  
3A ELECTRICAL

If you are one of those engineers who loves to read about history, ENGL 208H - Arthurian Legend is a course that you might have missed while browsing through the undergrad course offerings on Quest. The course analyzes the

history of the Arthurian theme in literature from the Dark Ages to the present day. Besides reading awesome stories like "The Knight of the Cart" (where Lancelot first appears), and "Tristan and Isolde", the course guides you through the history of Northwestern Europe and the British Isles from the Retreat of the Roman Army from Britannia in 410 AD, through the Anglo-Saxon and Norman Invasions, and into the politics of the War of the Roses. The Arthurian story is revisited by countless authors. It is interesting

to see the differences in themes depending on what language the stories were written in and who they were written for. But don't end your sentences in prepositions in the two essays you have to write or the midterm or final exam, which are also essay-based. If you can't read very fast or write very well, this course may not be as fun. The professor is Dr. Kathryn McArthur who specializes in Old to Middle English literature, and has taught this course for over a decade. In the term that I took the course, she

brought in a singer (who happened to be a former student of hers) who performed Arthurian-themed songs in front of the class. She would also show pictures from her trip to the British Isles and videos analyzing the truth of King Arthur, which future stories built on. Near the end of the term, Prof. McArthur also organizes a movie night, where students can watch Arthurian-themed movies all night long. When I took the course, the movie night was held at POETS. Overall, ENGL 208H deserves 4 out of 5 stars.



## STUFF YOU SAY

## The Three Gorges Dammed for Eternity



GABRIEL CHAN  
3A SYSTEMS DESIGN

The Three Gorges Dam will be the largest hydroelectric project in the world. The current record holder (depending on what you mean by the largest dam) is the Syncrude Tailings in Canada (largest by volume), the Rogun Dam in Tajikistan (tallest) and the Itaipu Dam on the border of Brazil and Paraguay (largest hydroelectric plants). Three Gorges Dam is going to surpass all of these when it is finished, its 26 generators pumping out 85 billion kW-hours of electricity a year. This whole dam project costs US\$25 billion dollars. A week ago, the dam wall was finally completed. This dam wall spans over 2 kilometres across the Yangtze River. This phase was completed nine months ahead of schedule.

The Three Gorges Dam is a concrete gravity dam, whose 2-km wall will hold a 660-km long reservoir, submerging 632 square kilometres of land. When fully flooded, water will be 175m above sea level. Ships can travel through the dam via a two-way lock system, which became operational in 2004. Alternatively, ships can use the one-step ship elevator, which is due to open in 2009.

Many people have desired to dam the Yangtze River; among the most notable were Dr. Sun Yat-Sen (founder of the Republic of China) and Mao Zedong (founder of the People's Republic of China). Amidst much hopes and controversies, the idea became reality as the project was launched in 1993. Even after 13 years of construction, these conflicts have not died down.

Why this is so dam good:

Flood control: Apparently, the dam will be able to control the annual river swells that have plagued the lives of those living along the Yangtze River for thousands of years.

Power generation: China desperately needs electricity for its booming economy. Imagine Stephen Harper announcing that electricity will be cut from all of Toronto and the GTA area from 8pm to 8am next week. Brownouts are not uncommon even for the major cities in China. Renewable sources of energy are becoming ever more important to China's insatiable appetite for power. And keeping in mind eight out of the world's ten most polluted cities are in China, building hydro-electric dams sure beats burning coal.

Pride: After 150 years hiatus, situated on the unfavourable side of the imperialism game, China is eager to get back on track as a world leader in science and technology.

Why this is pretty dam bad:

Forced relocation: Critics say the human cost has been far too high. More than a million people have been moved to make way for the dam. At least 1200 towns and villages will be submerged under the rising waters of the dam's reservoir. And these people are being moved from fertile land to much crappier land.

Pollution: The Yangtze is slowly becoming a dead river, thanks to the pollution from all the industrial centers along its bank. And the huge reservoir threatens to become the world's biggest toilet.

Cultural losses: The reservoir would eventually cover over 1300 known archaeological sites. Some of them have been moved. Others cannot be moved due to design or size. And still others have not been discovered yet. The reservoir would also alter the legendary scenic features of the Three Gorges forever.

Environmental losses: As mentioned above, the Three Gorges have outstanding natural beauty that would be forever lost to the dam reservoir. Many extremely endangered species, such as the Yangtze River Dolphin, the Chinese Paddlefish, and the Siberian Crane, will have their habitats carved in half or destroyed.

These are just some of the dam rea-



The beauty of the Three Gorges: soon to exist only in history.. and on this paper.



A scaled model of the dam project on display in a government building.

sons why there is so much dam controversy surrounding this dam thing. As engineers, we are supposed to foster a spirit of pride and responsibility to

advance the betterment of the world while keeping strictly to our ethics and morals. So where do we draw the line?

Writers of the world, unite!

the IRON WARRIOR

Or at least Writers of IAW Eng. And poets. And artists. And \_\_\_\_\_  
Everyone has something to say. So say it through the Iron Warrior.  
Join a friendly team, help with editing, layout and everything else!  
Meetings every Thursday at 11:30 in CPH 1323B

## No to Kyoto

Continued from page 1

rules. Without the international pressure, the Canadian government may not be committed to engage in this project for the sake of using their resources for more immediate conflicts at hand.

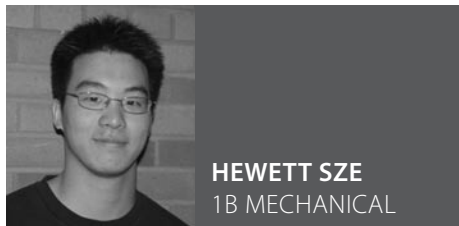
The Kyoto Protocol is an agreement made under the United Nations Framework Convention on Climate Change. Countries that comply with this protocol are committed to reduce their emissions of carbon dioxide and five other greenhouse gases. Canada is required to have emission levels of greenhouse gases at a reduction of 6% from 1990 levels by 2010.

Emission targets can be met several ways. The most obvious method is to effectively reduce greenhouse gas emissions with more fuel efficient cars and less coal-fired power plants. Countries can buy emission credits by buying from another country that does not emit the full maximum emission level. Countries can also earn emission credits by engaging in promoting environmentally-friendly technologies to developing nations.



## STUFF YOU SAY

### Rubber Highways?



**HEWETT SZE**  
1B MECHANICAL

What do you do with a mountain of used tires and several thousands miles of disused railways? A company based in the UK has found a solution to this question: make roads out of them. Holdfast Rubber Highway (HRH) is developing rubber roads made from disposed tires, as upcoming European legislation will make it illegal to burn or bury car tires. HRH's parent company already

makes rubber decking for pedestrian and railroad crossings. HRH is just taking this one step further.

The idea is to manufacture cheap interlocking panels that can be laid in between and beside the rail lines. Using a low-emission process, a mile of these tiles will consume 354000 old tires. Due to the nature of the material, there are no potholes or cracks from winter weather and the roads are very quiet. Maintenance costs are also very low, since panels could be replaced within 15 minutes.

Regardless of the profitability of this particular project, there is no doubt that this technology has potential in the future. Now if only the government would raise the speed limit on highways...

### Co-op System is Good

*Continued from page 2*

cal resume packages and slip them into countless boxes in the TC basement before the building closed at 8pm. I still remember the fiasco where a security guard closed the building early and would not let a group of students inside.

By 1B, however, our prayers were answered with the introduction of Jobmine. Of course, there were still plenty of bugs to fix. The biggest one was probably how the system wouldn't let people on unless their computers were set to the correct time zone. Despite these setbacks, for the most part, students appreciated not having to spend \$50 in photocopying. (My 1A total was \$43.)

Last term, as an experiment, Co-op decided to try an "early matching" process to increase the amount of students with jobs at the end of the initial phase. In my

opinion, this was a step backwards. I heard countless stories of students getting phone calls from employers threatening to withdraw their offers if the student didn't early match with them. Not only that, but I had eight interviews last term - way up from my previous record of 2 - and, because I had opted to early match, I never found out how I performed at the other interviews I had. I had tried new things (like dressing more casually) and was interested to know if I would have gotten ranked for those jobs or not. Alas, it was not meant to be.

Luckily, because CECS is so great, they saw that the disadvantages to early matching outweighed the advantages and canned it for this term (after sending a long, confusing email stating otherwise). It's because of our co-op program that UW is a world class university. So next time you get frustrated over a problem you're having, thank goodness that you don't have to walk to campus to hand in your resume... in the rain.

### Modern Wasteful Lifestyle

*Continued from page 2*

competition between companies intensifies the push to get more of these products on the market.

The barrage of disposable cleaning products doesn't stop with your floor. Bathroom cleaning needs its own special set of tools. There are products that clean your toilet and all the hassle of cleaning can be flushed away with the cleaning sponge - even safe for septic tanks! Then there are products to clean all your bathroom surfaces which each, apparently, need their own special cloth. Whereas a simple sponge was once

good enough to do the entire bathroom now each fixture and surface needs a product specifically tailored to its dirt removing needs.

Reduce, reuse, recycle. That's the mantra that was promoted in the early 90s when it seems concern for the environment took precedence over the ever more important development of cleaning products. The message that these types of disposable products send is more like remodel, refuse, replace. Ultimately, it seems the oldest model is the best - the time-tested mop and bucket. Remember, life isn't so simple that you can get rid of all your problems by throwing them away.

### Questioning the UW President

*Continued from page 2*

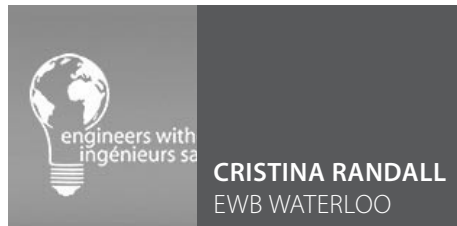
us, and you'd be hard-pressed to find a student who hasn't seen, met, or talked with the president. He is visibly and vigorously involved with the student population of his university. Perhaps they don't have the corporate sponsorship we do, but they have a healthy and active campus atmosphere, and are known far and wide as a respected and pleasant place to study. Can the same be said for Waterloo? We know we can deliver a world-class education, but perhaps a happy campus would attract a few more students than schmoozing with the bigwigs.

When Waterloo was founded in 1957, there was very little reason for anyone to

come here. We were an experimental university with an untested co-op program with lots of academic enemies. But due to the efforts and students-first philosophy of our first president, J.G. Hagey, we attracted the students that began to make Waterloo what it is today. It was a smaller campus then, but everybody knew that their president was putting their interests first. Fast forward fifty years- we're a world-class educational institution, but we seem to have lost that sense of belonging. We wonder whether we're the reason for the university or simply a byproduct of it. Dr. Hagey knew the answer; I wonder if Dr. Johnston does.

David L. Johnston needs to be a more active and visible presence among the undergraduate population or he needs to hand his job to someone who will be.

### What is Fair Trade?



**CRISTINA RANDALL**  
EWB WATERLOO

In their rhetoric, governments of rich countries constantly stress their commitment to poverty reduction. Yet it is these same governments who engage in trade practices and embrace international policies of exchange which cripple the economies of already impoverished nations.

When developing countries export to rich country markets, they face tariffs that are four times greater than those encountered by rich countries. These taxes on imported goods cost approx. \$100bn a year (about twice as much as they receive in aid). Low-income developing countries account for less than three per cent of world trade yet more than 40 per cent of the world's population.

From Bangladesh's garment factories, to China's special economic zones and Central America's free-trade zones, to the

small farms and agricultural establishments across the developing world, trade plays a part in the widening of already obscene inequalities between rich and poor. Next time you pick up your morning coffee, go through the chain of events, rules, and institutions that brought it to you. Who produced it? How was it produced? Did the producer receive an equitable share of the exchange and was that exchange based on the values and principles of social justice or is your coffee just a product of the current market model?

You may be familiar with the term fair trade, if for no other reason than noticing it costs 10 cents more at the C&D. Fair trade is a certification bounded by production standards and regulations set out by the ILO such as those banning child and slave labour, and guaranteeing a safe workplace. Having indeed given you a lackluster introduction to fair trade practices, this weekend EWB will be hosting a coffeehouse as part of the Latitudes Storytelling Festival where fair trade and its importance will be discussed with live music and stories from around the globe. See [www.uwaterloo.ewb.ca](http://www.uwaterloo.ewb.ca) for details!

### Why Google™ is Changing Everything



**TANEEM TALUKDAR**  
3A SYSTEMS DESIGN

For anyone following the consumer software industry, it is no secret that Google and Microsoft are gearing up for a rivalry that will see the software landscape redefined. Steve Ballmer, CEO of Microsoft, recently discussed how a successful software company had to be a successful Software as a Service company. Microsoft, always the player to come to the market after the initial innovation, is simply following the precedent set by Google.

In the Software as Service world, software is no longer a discrete product sold with a one time transaction, but rather on a per-use basis. If a certain software application is needed, the user pays for each time it's used, or a monthly fee is paid for a subscription. This model was championed by Sun Microsystems years ago with its "network is the computer" vision. However, they were ahead of their time, and it is only now that the industry is looking at this seriously.

Complementing this is the other service that Google is slowly building - the virtual personal environment. Taken as a whole, Google's service including Gmail, Google Desktop, Blogger, Picasa, Google Talk and Google Mobile are different components of an integrated virtual user space that is accessible from a multiple points of access.

For example, I can access Gmail from multiple computers at work, home and school as well as my cellphone and my smartphone. I can access Picasa from my home, Google Maps from any computer and my smartphone. Everytime I access these services, my own data is loaded and I am essentially doing work

(sending emails, checking pictures etc.) inside the environment (Gmail, Picasa etc.). Google will extend this to include other services including word processing. It recently purchased Writely, a service that allows users to create documents from a web browser. If Google were to offer this service as part of an integrated environment incorporating Gmail and a web publishing and sharing platform, many people would find less and less of a reason for a buying a product like Microsoft Word. This is likely the reason why Microsoft has been championing Windows Live, which represents its own efforts at positioning software products as easily accessible services.

This is where the evolution of the software landscape is going. One can envision that eventually software vendors will compete to provide the tools in our virtual environments, content providers will compete to sell us content such as music, carriers will compete to sell us the service enriched network access and hardware vendors will sell us the devices we use as interfaces to the environment.

Players from each of these segments of the overall market are trying to muscle in on the others. Apple is making in-roads to content providers' market space with iTunes. Google is building its own physical hardware networks. Intel is positioning its hardware with content oriented branding. Mobile device companies like RIM and Palm are focusing on converting themselves from being hardware vendors to content providers with hardware platforms. However, none of these companies can single-handedly control the complete user experience of a virtual ubiquitous environment, and the winners will be those that recognize this and focus on strategic partnerships.

At any rate, the services and tools offered to regular users over the next couple of years looks set to change dramatically and this is an exciting time to be involved in any aspect of this field.



# ENGINEERING SOCIETY REPORTS

## Presidential Report



JEN CARROLL  
PRESIDENT

Not too much to report this time around...

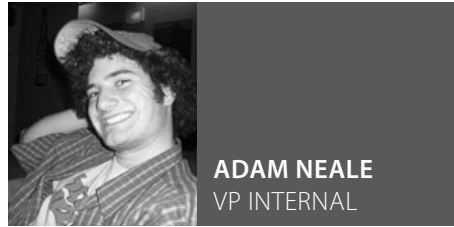
For anyone who wasn't at the last EngSoc meeting: Waterloo @ Wonderland is a summer event run by the Crew (part of Feds) that involves a bus trip to Wonderland for a very reasonable price - \$37 includes the bus ride, admission, and a t-shirt. Last year, the Engineering Society donated \$1000 towards this event to help them cover costs. At the last EngSoc meeting we voted to donate \$720 (this was the amount requested by

the Crew this year). Want to make the most of that money? Buy a ticket and go to Wonderland! Tickets are on sale at the Feds office.

As for other facts worth noting, did you know that you can come to the Orifice and ask to see the POETS movie schedule for the next two weeks? The current schedule and all old ones are stored in a binder behind the desk (just ask Betty or the Orifice Director to see it). If there's a movie you really want to see there's a request page that the Programmers check before making the next schedule. So, if you have a class event planned for one afternoon in POETS (or if you just really really really want to watch The Muppets Christmas) fill it out and start bribing the programmers.

Have fun, everybody! Good luck on midterms!!

## Internal Affairs of EngSoc



ADAM NEALE  
VP INTERNAL

Time sure does fly when you're on campus. I can barely believe that it's midterm time already. With all the great things that have been going on over the past few weeks and coming months, this term will be over before we know it.

A lot has happened in the past couple of weeks. The skydiving/camping trip planned by the extreme sports directors went off without a hitch. A big shout-out goes to the extreme sports directors for organizing such an awesome event. Approximately 20 brave students spent their Saturday morning and early afternoon in training for their jump. After five hours of counting: "Arch thousand, two thousand, three thousand, four thousand, five thousand, check thousand", and preparing for the worst in the case of a malfunction, students in groups of five at a time were flown up in the plane to a height of 3000 feet to take the plunge. It was an exhilarating experience to say the least. Not a single student that went on the trip was injured and all had a great time. One person from another group did manage to get off course though and land in a tree. It took four hours to get her down. She was able to walk away unharmed; unfortunately, the same could not be said for the parachute. Later that night everyone had a great time around the BBQ and campfire with the locals. They amazed us all when they tipped us off as to the real working of the skydiving school's pop machine. The amazing contraption is set up so that it serves pop during the day for a dollar a can, but at night it switches over on a timer to serve

BEvERages of a different kind. Even a backlight comes on behind the pushbutton selections to inform the user of the alternative choice of drinks. Truly engineering at its finest.

By the time that this article is printed, both wheelchair basketball and the 8-ball tournament will have taken place. I'm sure that they will be great events. I've heard that there's even a rumor that the TOOL will be making an appearance at the wheelchair basketball tournament. If this is indeed the case, then congratulations to all that attended and got to see our mysterious mascot up close and personal. Also, Enginuity #2 will be taking place on Wednesday June 7 at 11:30am. Be sure to check it out.

Things will be slowing down a bit during the midterm weeks, but be sure to still come out to the Eng Soc meetings, or have a class rep go to find out what is going on in your society. Meeting #3 will be taking place on June 7th at 5:30pm and meeting #4 on June 21st. At meeting #4 we will be taking this term's Eng Soc family photo. The family photo was an Eng Soc tradition throughout the 70s and up until the early 90s but for some reason hasn't happened for the past decade. This term the executive thought that it would be a cool idea to bring it back and take a picture of everyone that is involved in the Engineering Society. So if you are passionate about the Engineering Society and like the idea, be sure to come to meeting #4 on June 21st to be in the picture.

One last note to all the internal directors: remember that if you ever need anything, I am here to help. If you need to get in contact with me, either send me an email or drop by the Orifice in the afternoon. Unless I have a lab, I can usually be found somewhere between the Orifice and the C&D. Keep up the good work, and let's keep enjoying the great term! Eat ice cream.

## External Update...IN LIMERICK FORM!



GREG FITZGERALD  
VP EXTERNAL

Thought I'd try something a little different this week, so here goes:

There will be a sheet on the orifice door  
And if volunteering is a thing you adore  
You can sign-up today  
For Canada Day  
To run the mini-Olympics and more

There are no new conferences this week  
Or at least that is, so to speak  
You could help organize  
An Eng. Comp., Waterloo-sized  
If interested email me- it shan't be bleak

There once was a man from Nantucket  
Uhh...actually, scratch that one...  
Questions, comments, poetic advice, you say?

Drop me a line at bsoc\_vpext@engmail.uwaterloo.ca

## PDEng and MSci Eng



MARK TRUCHANOWICZ  
VP EDUCATION

Hey Everyone! I know midterms are just around the corner so I'm sure most of you are locking down into study-mode. All that I've got to report at the moment is from the last PDEng Rep meeting. Committees are being organized to tackle various aspects of feedback for PDEng. The committees will be providing feedback and suggestions on anything from technical issues to course content and awareness. If you're interested in being a part of any of these committees contact Amanda Hoff (amhoff@engmail) for more details. PDEng Reps should look out for another meeting in the coming weeks.

Lastly, regarding Management Engineering: for those on the EngSoc mailing list, you received an email pointing to an overview of the proposed Management Engineering program. If you'd like more information on the program, come talk to me or drop me an email. Any feedback on the program should be directed to Adam Schubert, our Engineering Senator, who will be voting on the program in the coming Senate meetings.

That's it for now! Best of luck with midterms!

## Donation Proposals and New Newer Novelties



CHRISTOPHER OLEKAS  
VP FINANCE

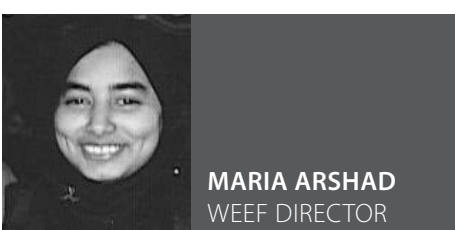
So, today is Meeting #3, and at the meeting we'll be voting on the budget as well as seeing presentations for donation proposals. There should be \$2000 up for grabs for student groups and teams. As of the writing of this report no one has submitted requests but I'm pretty sure we'll see some people at

the meeting requesting money.

We now have newer new novelties: water bottles, ceramic mugs, children's t-shirts. The water bottles are \$7, the mugs are \$10, and children's shirts are \$10. The wall clocks are still \$20. So go to the Novelties Shop, which is opened almost every day from 11:30AM to 1:30PM, and buy some of the awesome new and newer novelties that we have. Also, there are whispers about an Engineering Novelties sale going on in a month or so where you can see prices slashed by as much as 50%!

I'm so excited, and I just can't hide it.

## WEEF is Giving Out \$75,000



MARIA ARSHAD  
WEEF DIRECTOR

Hey everyone! Just wanted to update you on what's happening with WEEF. The refunds were over on May 18th @

1:00pm.

WEEF will be giving away \$75,000 this term, and it is your duty as a WEEF supporter to ensure that these funds are spent where they are most needed. So, I invite you to submit a proposal. Proposals are accepted from students, staff and faculty members. All proposals that benefit the education of undergraduate students in the faculty of Engineering are considered. WEEF funding is commonly spent on

equipment and supplies rather than services or expenses. The deadline to submit proposals is Friday June 30th @ 4:30 pm. Please be sure to check the proposal guidelines on the WEEF website. For more information, please check: www.weef.uwaterloo.ca

Once you submit the proposal, you will be expected to give a short presentation to the funding council about your proposal. More details are available on the website

and will be published in the coming issues of IW. This is also a heads up to all the members of funding council (a.k.a WEEF Reps) that the funding council meetings for this term are tentatively schedule for July 4th (presentation) and July 6th (funds allocation). Times will be announced later on.

If you have any questions or concerns about WEEF, please send an e-mail to weef@engmail.



# ENGINEERING NEWS

## Latitudes Storytelling Festival



The Waterloo Chapter of Engineers Without Borders Canada will be hosting a global coffeehouse on June 10, 2006 as part of the Latitudes Storytelling Festival. Fair-trade coffee and desserts will be served up with a side of live music and live stories from around the globe. Past interns will share their colourful stories from Africa and volunteers will be on hand to offer information about the organization and the importance of fair trade.

Find out how you can make a difference every day by choosing to purchase fair trade products. All proceeds from coffee sales will be donated to Engineers Without Borders.

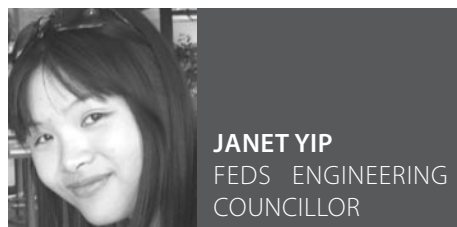
The mission of Engineers Without Borders is to promote human devel-

opment through access to technology. This Canadian organization was the brain child of two University of Waterloo grads and has to date sent more than 160 volunteers overseas who have helped thousands of people improve their own lives.

Held on June 10, 2006, at Trinity United Church, 74 Frederick St., Kitchener, Latitudes is a free non-religious festival that celebrates Trinity's 100 years as a landmark in downtown Kitchener. Smudging ceremony begins at 9, programme from 10am to 5pm.

Participating people and organizations include: Susie Minto, Rhea Green, Isabel Cisterna, Adwoa Badoe, Children's area, KW Persian School, James Gordon, Centre Wellington District Secondary School – Boogey Men, Ann Estill, Brian Holstein, Barry Rosen, Diane Halpin, KPL short-story-in-a-day contest, Karen Redman, MPP, and John Milloy, MPP, Interactive literacy marketplace, Global coffeehouse, and African women's storytelling circle.

## From Your Feds Councillors



The role of your councillors is to represent your concerns, and therefore they must be approachable and recognizable. In last week's introduction from your Federation of Students councillors, an incorrect photograph had been published of Janet Yip. Here is a photo that better resembles how she appears, and she stresses again to not hesitate to approach any of your representatives with (relevant) questions or comments.

This week also brings you a fifth Engineering councillor, the newly acclaimed Kevin Gu. He is in 2B Computer Engineering. Kevin loves to work out and play basketball. If you are a regular at the PAC and CIF, then you have probably seen him there. Kevin is proud to be an engineering undergrad and he is even



Kevin Gu: New Feds Councillor

more proud to be a FEDS councilor for his faculty and to offer a voice for his fellow engineers. Kevin is always open to other students' ideas and opinions.

## Co-op News: Career Workshops

### Exploring Your Personality Type Part 2

Two session workshop: After completing the Myers-Briggs Type Indicator online, attend the first session to learn about your personality type and preferences for learning and decision making. In the second session, discover how to apply your MBTI type to explore potential career areas.

NOTE: In order to complete your registration for this workshop, payment of an \$18.00 materials fee is required. Please go to Career Services, TC 1214, to arrange for this payment a minimum of seven days prior to the workshop date. Cash, debit or credit cards (Mastercard and Visa) are accepted. Once fully registered, you will be given information regarding completion of the online instrument.

Date: June 7  
Time: 10:00am-11:30am  
Location: TC 1112

### Work Search Strategies

Practice networking and other strategies in order to increase the effectiveness of your job search.

NOTE: Since the activities included in this workshop build on the material presented in the new online Work Search module of the Career Development eManual, you will need to complete the Work Search online module as a first step before registering for this face-to-face workshop. To access the module, go to [cdm.uwaterloo.ca](http://cdm.uwaterloo.ca) and select the UW student version of the Career Development eManual (in ACE).

Date: June 7  
Time: 3:30pm-5:00pm  
Location: TC 1208

### Business Etiquette and Professionalism

Date: June 13  
Time: 3:30pm-4:30pm  
Location: TC 1208

### Career Interest Assessment Part 1

Two session workshop: Complete the Strong Interest Inventory in the first session, then return for a second session to find out how your interests relate to specific career opportunities.

NOTE: In order to complete your registration for this workshop, payment of a \$10.00

materials fee is required. Please go to Career Services, TC 1214, to arrange for this payment. Cash, debit or credit cards (Mastercard and Visa) are accepted.

Date: June 14  
Time: 3:00pm-4:00pm  
Location: TC 1112

### Exploring Your Personality Type Part 1

Two session workshop: After completing the Myers-Briggs Type Indicator online, attend the first session to learn about your personality type and preferences for learning and decision making. In the second session, discover how to apply your MBTI type to explore potential career areas.

NOTE: In order to complete your registration for this workshop, payment of an \$18.00 materials fee is required. Please go to Career Services, TC 1214, to arrange for this payment a minimum of seven days prior to the workshop date. Cash, debit or credit cards (Mastercard and Visa) are accepted. Once fully registered, you will be given information regarding completion of the online instrument.

Date: June 15th  
Time: 3:00pm-4:30pm  
Location: TC 1112

### Work Search Strategies: Special Session for International Students

Date: June 20th  
Time: 4:30pm-6:00pm  
Location: TC 1208

### Career Interest Assessment Part 2

Two session workshop: Complete the Strong Interest Inventory in the first session, then return for a second session to find out how your interests relate to specific career opportunities.

NOTE: In order to complete your registration for this workshop, payment of a \$10.00 materials fee is required. Please go to Career Services, TC 1214, to arrange for this payment. Cash, debit or credit cards (Mastercard and Visa) are accepted  
Date: June 21  
Time: 3:00pm – 4:30pm  
Location: TC 1112

### Exploring Your Personality Type Part 2

Two session workshop: After completing the Myers-Briggs Type Indicator online, attend the first session to learn about your personality type and preferences for learning and decision making. In the second session, discover how to apply your MBTI type to explore potential career areas.

NOTE: In order to complete your registration for this workshop, payment of an \$18.00 materials fee is required. Please go to Career Services, TC 1214, to arrange for this payment a minimum of seven days prior to the workshop date. Cash, debit or credit cards (Mastercard and Visa) are accepted. Once fully registered, you will be given information regarding completion of the online instrument.

Date: June 22  
Time: 3:00pm-4:30pm  
Location: TC 1112

### Career Interest Assessment Part 1

Two session workshop: Complete the Strong Interest Inventory in the first session, then return for a second session to find out how your interests relate to specific career opportunities.

NOTE: In order to complete your registration for this workshop, payment of a \$10.00 materials fee is required. Please go to Career Services, TC 1214, to arrange for this payment. Cash, debit or credit cards (Mastercard and Visa) are accepted.

Date: June 27th  
Time: 1:30pm-2:30pm  
Location: TC 1112

### Career Exploration and Decision Making

Self Assessment, Occupational Research & Career Decision Making. After this session you will be in a better position to assess yourself and your 'fit' in the world of work.  
Date: June 28th

## Info Sessions

Morgan Stanley  
Date: June 5  
Time: 5:00pm-6:00pm  
Location: TC 2218 A and B  
For Co-op Students - Computer Science, Engineering, Mathematics

CIGNA  
Date: June 12  
Time: 6:00pm-8:00pm  
Location: University Club; Burgundy Room  
For Co-op and Graduating Students - Actuarial Science, Mathematics, Science

Please note: Employer Information Sessions are continually updated, so be sure to check <http://www.cecs.uwaterloo.ca/students/sessions.php> regularly.

### ENGINEERING SOCIETY

C&D

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](mailto:mbland@engmail.uwaterloo.ca) to schedule your shift.

## Upcoming Events from EngSoc

June 9	World Cup Opener BBQ at SLC
June 21	EngSoc Family Photo to take place at EngSoc Meeting #4
June 23	FEDS Wonderland trip
July 15	Semiformal
July 22	Student Life 101
July 31	Last ever FEDBu



# SPORTS FEATURES

## Biking in Waterloo Recommended Trails



PHILIP NEWMAN  
3A SYSTEMS DESIGN

So, you're new in town, you want to hit the pavement but you don't know where to go? I was in your position 2 years ago and I would usually just hop on my bike and go. I found one route that I really enjoyed.

Total Distance: 30km return (from the university)

Time: 1h 15 to 2 h

Difficulty: Some hills. Typically into the wind on the way out, wind at your back to return.

Route:

1-Starting from the university, head west along University Avenue

2-Turn right onto Westmount

3-Turn left onto Columbia

4-Turn right onto Fisher-Hallman

5-Turn left onto Laurelwood Dr. (at the first light)

6-Take the first right onto Beaver Creek Rd.

7-When you come to a T-intersection, turn left onto Conservation Dr. This road isn't very wide, but don't worry, you won't be on it for long.

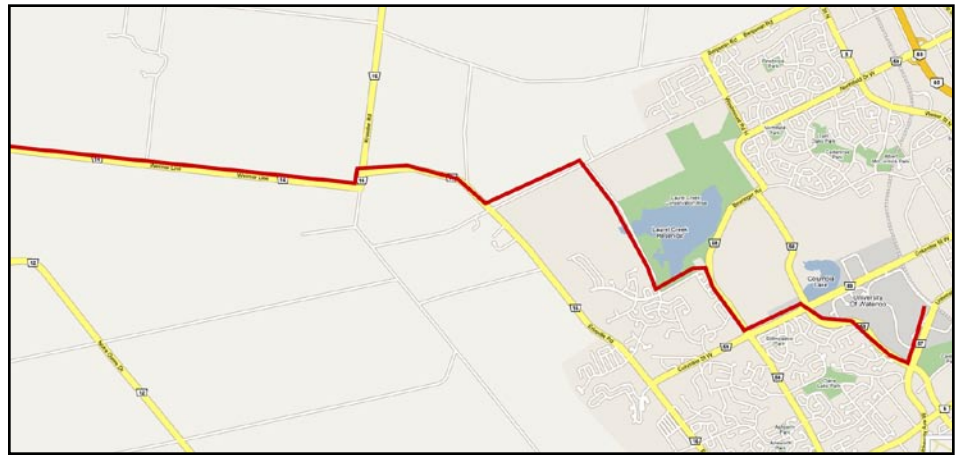
8-Turn right onto Erbsville Rd.

9-When you get to the next T-intersection turn left onto Kressler Rd.

10-Immediately turn right onto Weimar Lane (right away).

11-For the next 5km, bike along to the town of Balmberg. Enjoy the rolling hills and wide paved shoulder. Remember to wave at passing cyclists.

12-Turn around in Balmberg and do the whole thing backwards.



## 2006-2007: Return of the Raptors



PETER SZABO  
3A SYSTEMS DESIGN

It happens only once a year, and on May 23, 2006 at the National Basketball Association broadcast studios in Secaucus, New Jersey, the lottery to set the order for the NBA draft was underway. The Raptors were sitting in 5th position for the NBA draft based upon their performance last season and the Raptors had an 8.8% chance of winning the top spot – which they did. This means that on June 28 in New York, the Toronto Raptors will get the very first pick in the 2006 NBA Draft.

Some of the top potentials for the pick are: LaMarcus Aldridge a power forward/centre from Texas, and Andrea Bargnani from Italy who plays

in the Euroleague.

This is great news for the Toronto team, especially considering their rocky start to last season when it seemed that all hope was lost for the Raptors. Now, the team is facing a whole new perspective on the 2006-2007 season.

On Feb 28, 2006, midway through last season, a new president and general manager for the Raptors was announced. Bryan Colangelo (named NBA executive of the year) from the Phoenix Suns (GM for 11 years, president for 7) switched over to back the Raptors. With his great experience, influence, and talent, he will surely be a driving force for this team's future runs for the championship.

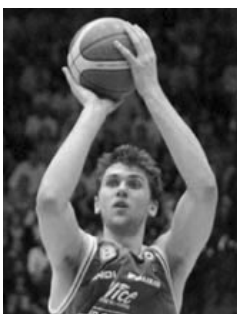
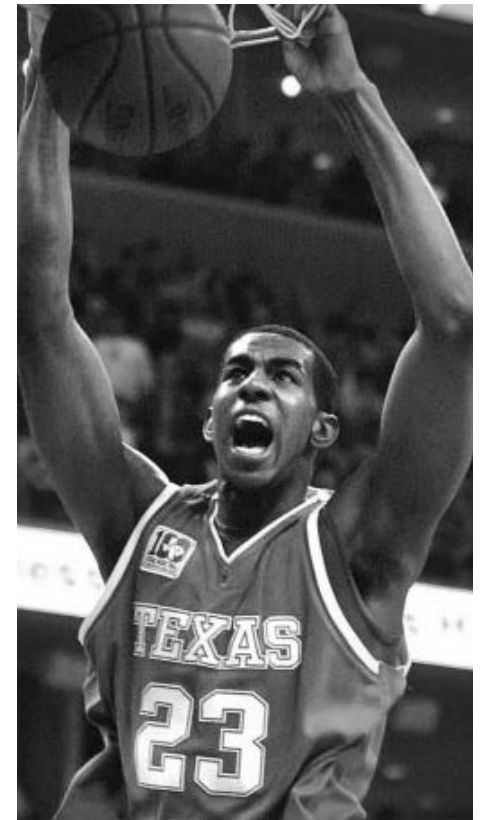
The Raptors also have some great current talent. Young players like Chris Bosh, forward/centre has averaged a team leading record of 22.5 points per game for the Raptors. Granted, he was sidelined for the last few games of last season due to a thumb injury with the

intent to fully heal before next season. But he is expected to perform just as well, if not better when the 2006-2007 season begins.

The Raptors are in a great position mainly because of the amount of play they have within the salary cap. They have a huge array of options to look at with the draft, with trades, and with leadership on and off the court. One

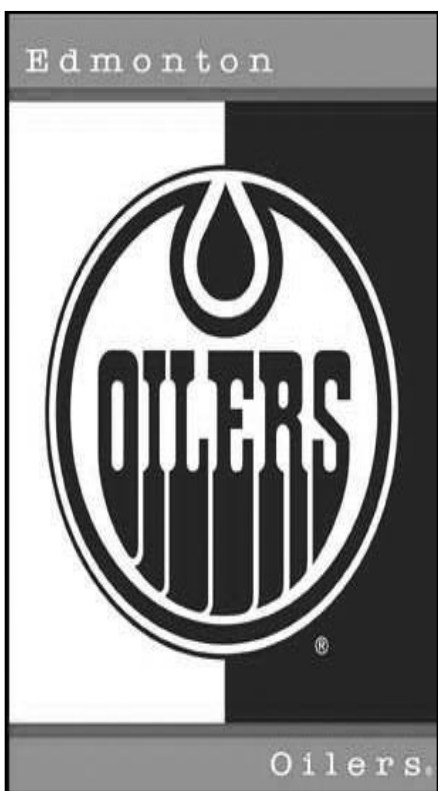
thing is for sure, next season is not going to be one to glance over for the Raptors.

There have been 22 NBA drafts in the past, and the Raptors have won the lottery only once before in 1996 in which a technicality based on an expansion agreement with the league prevented them from picking from the top. This time will be different.

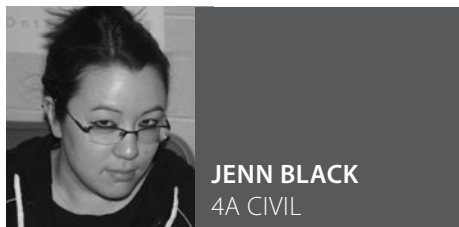




## SPORTS FEATURES



### Unlikely Canadian Heroes



**JENN BLACK**  
4A CIVIL

Hockey, the official winter sport of Canada. Though, you'd never know it. In the last ten years, no Canadian team has had the glorious privilege of hoisting Lord Stanley's Cup. In 2004, the Calgary Flames gave it a run but the last Canadian team to do it was the Montreal Canadiens in 1993.

Looking back on this season, when you think of Canadian power teams, one might think of Ottawa or Calgary or even Toronto (despite their extreme lack of effort). But here we are at the onset of

the Stanley Cup finals and these teams are nowhere to be found. Instead we have the unassuming Edmonton Oilers. When the playoffs began, hardly anyone gave them a second thought going up against the President's Trophy-winning Detroit Red Wings. Defying everyone, the Oilers blew through both Detroit and the San Jose Sharks, winning both series in six games.

Up next were the Anaheim Mighty Ducks who were expected to be easily picked off by Calgary in the first round. The Oilers, riding high on their success so far, handily stiffed Anaheim in only five games despite being outshot every game.

Leading scorers Shawn Horcoff and Chris Pronger, both with 17 points, seem eager and ready for what lies ahead. Dwayne Roloson has been a brick wall for the Oilers, going 12-5 with a goals-against average of 0.931. All hopes are that the

Oilers' outstanding defence and Roloson's steady performance will continue long enough to reach a victorious end.

Coming off a bold 4-2 win over the Buffalo Sabres in Game 7 of the Eastern Conference finals, the Carolina Hurricanes are a force to be reckoned with. Game 1 of the Stanley Cup finals goes June 5th in Raleigh, North Carolina and Game 2 on June 7th before both teams head to Edmonton for Game 3 on June 10th. The Edmonton home crowd would be positively euphoric if their boys could close it out at home in four games. Fingers, toes, and eyes crossed!

To win, Edmonton will have to continue to work hard and stay focused. It's a daunting task to be sure but ecstatic Oiler fans and Canadian hockey enthusiasts have the Oilers' backs and are going to be there until the very end. GO EDMONTON!



**GABRIEL CHAN**  
3A SYSTEMS DESIGN

### World Cup 2006 Games Schedule

#### Friday 9 June to Wednesday 21 June

**FRIDAY 9 JUNE**

**GROUP A**  
Germany v Costa Rica (1700)  
Poland v Ecuador (2000)

**SATURDAY 10 JUNE**

**GROUP B**  
England v Paraguay (1400)  
Trinidad & Tobago v Sweden (1700)

**GROUP C**  
Argentina v Ivory Coast (2000)

**SUNDAY 11 JUNE**

**GROUP C**  
Serbia & Mont. v Holland (1400)

**GROUP D**  
Mexico v Iran (1700)  
Angola v Portugal (2000)

**MONDAY 12 JUNE**

**GROUP F**  
Australia v Japan (1400)

**GROUP E**  
USA v Czech Republic (1700)  
Italy v Ghana (2000)

**TUESDAY 13 JUNE**

**GROUP G**  
South Korea v Togo (1400)  
France v Switzerland (1700)

**GROUP F**  
Brazil v Croatia (2000)

**WEDNESDAY 14 JUNE**

**GROUP H**  
Spain v Ukraine (1400)  
Tunisia v Saudi Arabia (1700)

**GROUP A**  
Germany v Poland (2000)

**THURSDAY 15 JUNE**

**GROUP A**  
Ecuador v Costa Rica (1400)

**GROUP B**  
England v Trinidad & Tobago (1700)  
Sweden v Paraguay (2000)

**SUNDAY 18 JUNE**

**GROUP F**  
Japan v Croatia (1400)  
Brazil v Australia (1700)

**GROUP G**  
France v South Korea (2000)

**FRIDAY 16 JUNE**

**GROUP C**  
Argentina v Serbia & Mont. (1400)  
Holland v Ivory Coast (1700)

**GROUP D**  
Mexico v Angola (2000)

**MONDAY 19 JUNE**

**GROUP G**  
Togo v Switzerland (1400)

**GROUP H**  
Saudi Arabia v Ukraine (1700)  
Spain v Tunisia (2000)

**SATURDAY 17 JUNE**

**GROUP D**  
Portugal v Iran (1400)

**GROUP E**  
Czech Republic v Ghana (1700)  
Italy v USA (2000)

**TUESDAY 20 JUNE**

**GROUP A**  
Ecuador v Germany (1500)  
Costa Rica v Poland (1500)

**GROUP B**  
Paraguay v Trinidad & Tob. (2000)  
Sweden v England (2000)

**WEDNESDAY 21 JUNE**

**GROUP D**  
Portugal v Mexico (1500)  
Iran v Angola (1500)

**GROUP C**  
Ivory Coast v Serbia & Mont. (2000)  
Holland v Argentina (2000)

\*\*All times shown in the local 24-hour time; Germany is six hours ahead of Ontario.





## SATIRE

## SPAM: The King of Smeats? Part 2

DAVE MIKA  
3A SPAMOLOGY

The past seven days have been a strange pink-hued journey. I suppose that's to be expected when one eats nothing but canned luncheon meat for every meal.

My introduction to Spam came on day one with the consumption of one full can in all its cat-food scented, salt-crammed, tofu-textured glory. It was a struggle to choke it down but I survived... for the most part. I found out quickly that eating that much Spam in one sitting can lead to a churning stomach, bizarre Spam-related headaches and seemingly unquenchable thirst. Needless to say, my first experience was quickly causing me to question my own motivations and sanity for undertaking the Spam-a-thon. Thankfully, I'm surrounded by encouraging (or is malicious a better word?) friends that would never let me quit.

As the days wore on and I tried a host of different Spam recipes, I was relieved to

find that with proper preparation, much of the unpleasantness encountered when eating that first can could be avoided.

When preparing Spam I found that rinsing and frying were two very important steps. Running a freshly decanned batch under water helps to remove the weird gelatinous gunk that can build up on Spam's surface as a result of the canning process. Frying also helped to draw out some of the copious amounts of salt while improving the overall texture. Frying was definitely a key aspect to my breakfasts which included Spam and eggs, a Spam skillet, a Spam breakfast burrito and open-faced Spam and fried egg sandwiches.

The best meals tended to be those that were saucy and/or heavily spiced due to their ability to mask the distinct Spam flavour for at least the first few bites. Dishes like Spamboori, Spyros and Spam chilli helped add a bit of international flair while proving to be the most palatable selections on my menu.

Although not the most delectable food item, Spamburgers were probably my most memorable moment. While watching square shaped pink slabs sizzle on the grill, my good friend (and self-proclaimed Spam lover) Giselle and her roommate

Adam shared drinks, laughed and had a genuinely good time. Our little SpamBQ seemed to really bring out the "family meal" concept that was such an important part of Jay C. Hormel's original vision for Spam.

The grand finale of the Spam-a-thon came in the form of a rather repugnant mixture dubbed the Spam smoothie: a blended mixture of half a can of Spam, honey, milk and yogurt. I figured I should end with something that would make me never want to touch Spam again. If the repeated gagging and retching were any indication, the runny cottage cheese texture and distinct Spam flavour of the smoothie did just the trick.

Over the course of the Spam-a-thon, I noticed several trends. First, Spam always tastes like Spam. Although frying, marinating and smothering in sauces can help to hide the flavour, I found that all it took was a single burp to cause the familiar flavour of shoulder of pork to rear its ugly head. Even when faced with tzatziki, Tabasco and curry, the burp-test never seemed to fail.

My second observation is that Spam stinks. Although I had become somewhat desensitized to the distinct olfactory bou-

quet, eating Spam in public always led to some interesting comments from bystanders. Some people even felt motivated to physically remove themselves from my general vicinity.

Now that the Spam-a-thon has come to a close, I can only speculate on what has allowed Spam to secure its longevity. Yes, it did prove to be a versatile meat suitable for a wide range of dishes but despite this, I was always longing to have actual beef in my burgers, lamb in my gyros and chicken in my stir fry. When it came to taste, Spam just didn't hold up to the meats I was trying to replace. Throw in the issues I encountered with the smell turning me into a social outcast and the partial pickling I endured due to the amount of salt I was eating and my puzzlement over Spam's popularity just deepens.

The best conclusion I can offer is that Spam is popular for the same reasons as Paris Hilton. Neither of them is really all that appealing but you would be hard pressed to find anything that so effortlessly provides as much comedic fodder. Put simply, we love to hate them.

And on that note, I'm going out for steak.

## German Parliament Expand Nazi War Cemetery

GABRIEL CHAN  
3A SYSTEMS

The Bundestag has recently announced plans to expand the Bitburg Cemetery to inter the graves of ten of thousand more fallen soldiers from World War II. This number includes war criminals sentenced at the Nürnberg Trials after the defeat of the Nazi empire (Third Reich). This has stirred considerable amounts of controversy worldwide, especially among the nations that suffered from German military aggression and/or occupation.

The Bitburg Cemetery is currently

the resting place of over 2000 German soldiers in which 47 were Waffen SS troops. When the project is completed, the Mausoleum des friedlichen Landes (peaceful nations mausoleum) will honour the Third Reich's over 5 million soldiers killed in war, including 1068 war criminals and 14 convicted Class A war criminals. Surrounded by war banners and military regalia, visitors would be able to venerate the glorious war dead and visit a museum with the colourful military history of Germany.

To many, this was a symbol of German militarism and right-wing nationalism. Various groups have issued formal complaints to the Office of the Chancellor; but unfortunately, due to the chancellor's dependence on gmail, the flood of complaints were grouped under one subject

line (Anti-Semitism Alert) after being filtered as spam and not a single complaint was read until today. The spokesperson for the project explained, "War is truly sorrowful. Yet to maintain the independence and peace of the nation and for the prosperity of all of Europe, the Fatherland was forced into conflict."

For a nation that had been struggling for the past 60 years for reconciliation with its horrible past, this news was puzzling indeed. But a member of parliament from the Bundestag noted, "For the past 60 years, we've been saying sorry for just about everything, because you know, we are Germans. It is time to grow out of this." Another MP commented, "It is unfortunate that we Germans chose to be in denial and make all those compensation payments. We should have listened to the

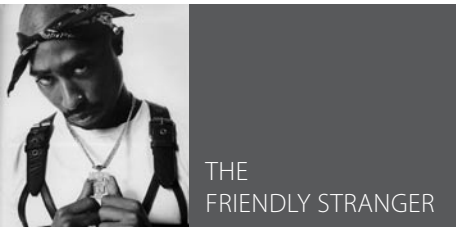
Japanese. At least their currency is worth way more than ours. Oh wait, ours doesn't exist anymore."

The Mausoleum des friedlichen Landes will probably generate more controversy when it is actually complete. It may be a glorifying symbol of Nazi aggression, but the good news is... more stories for the media!



Mausoleum des friedlichen Landes concept

## Iron Insight from The Friendly Stranger



THE FRIENDLY STRANGER

**Q:** My boyfriend has mono and we can't have sex until he's better. What do I do to stave off the urge?

-Desperate

**A:** Why not keep sleeping together? Then you can share the thrills of mono. Comfort each other through the rough times.

If you don't want to get sick, there are two solutions: masturbate or get a hooker. By hooker, I mean any single engineering man. They should be starved for sex themselves and will screw the first hot body to come along. Call me anytime. I'll be here to keep your mind off that sick boyfriend. 555-6455.

**Q:** I live with my landlord and his family. His daughter is hot and about my

age. What's the best way to pick her up without him knowing?

-Horny tenant

**A:** One night when everyone is asleep, go into her room and climb into bed with her. I'll assume you know how sex works so I won't explain that to you. If she likes it, then repeat as needed. If she doesn't, she'll likely be too embarrassed to say anything to her parents. If anyone picks up on the awkward tension, they will figure you walked in on her in the shower or something. Which is close enough to the truth.

**Q:** Girls complain that my dick is too long and it hurts when I put it in. Is there an anti-viagra or something that will help the ladies enjoy my prowess?

-Long Wang

**A:** Donate your penis to a needy individual or to scientific research. Or sell it on the black organ market. Contact your local mortician for a comprehensive organ price list. And I don't think this will help your "prowess" at all.

**Q:** I keep putting out personals saying that I like candlelit dinners and long walks on the beach. These always work on TV, so why does no one call me?

-lonelygirl200

**A:** You play into the cliché well, dumbass. No one looks for the old, tired personal description. If you want to get the attention of men or women, be original. Don't look for a "smart and funny" person, look for a former insane asylum inmate with lingering homicidal tendencies. "Candlelit dinner" should be replaced by "arsonist" and "long walks" should be something like "long walks down death row, hand in hand with my soulmate." The phone will be ringing off the hook.

**Q:** I'm a 1B engineering student and midterms are coming up. What the hell am I supposed to do?

-Panicked Student

**A:** You're in 1B. Maybe you should get drunk. All the cool kids are doing it. If this doesn't work, sleep it off and see if midterms are still there in the morning. If

not, you dodged a bullet. If yes, you are screwed. And if everything else fails, go sleep with that guy with mono. Mono is like a get out of exams free card. And he must be desperate by now, too.

**Q:** I live in a really hot hell-hole without air conditioning. How am I supposed to work?

-A hot guy

**A:** Are you paying for utilities? Hopefully you are not in the summer. Open the fridge door and leave it open all the time. Set the temperature to the coldest setting. If you're still too hot, open the freezer door too. Remember to position your fridge so its back is facing out the door to let the heat dissipate into the atmosphere. Global warming won't affect you anymore!

You can also get your exterior garden hose and make a "thin" layer of water on your floors. That will keep everything cool. Don't worry about mosquitos and west Nile virus and standing water. Its over-hyped. West Nile is a scare-word, like Avian Flu, Nazis, and President Bush.



# SATIRE

## A Look at the Engineering Ratios



The girl to guy ratio at Waterloo is balls. It strikes fear into men around campus and scares away potential students. As one sexually frustrated young man said “Girls suck, but not at Waterloo.” It seems that guys that had no problems in high school just can’t seem to find there groove at this University. And it is not all there fault. The average girl at Waterloo, seems to realize that the ratio is in her favour and takes on the persona that she is “God, Mary Poppins, and Peter Pan.” This dilemma dubbed “Waterloo Syndrome” is making many average girls unattainable.

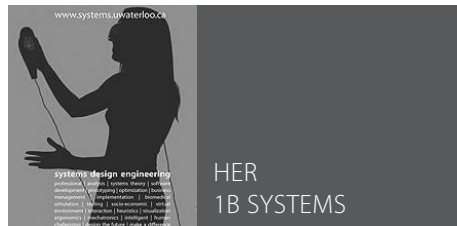
As for the rest of the girls at Waterloo, a lot of them just don’t seem interested. They are so focused on there academic lives that they don’t have time for guys. Many of the remaining girls, who are attainable and who are interested, tend to have very selective tastes. While diversity is the

pride of Waterloo, it hinders when not embraced.

Then the girls that are interested are only interested in long term relationships. The fact is, for many guys, long term relationships are not a priority at this stage in there life. In fact, it scares them when it seems like women are only interested in this type of relationship.

In defence of the cliché that most guys at Waterloo are creeps, it may be that that some girls seem to have met every creepy guy on campus. This does not mean that every guy on campus is a creep. In addition, there are many Western girls who do not seem to mind creepy guys, so why do Waterloo girls?

In conclusion, we’re not trying to be bitter, or for this article to come off as demeaning or insulting to women. We’re simply trying to point out how difficult life can be for men when it comes to women at Waterloo. There’s clearly a problem when so many fine young women have never even attempted a relationship so far in their time here at a school which has far more guys then girls. Simply stated, it seems to be a good thing that engineers are good with their hands.



Imagine yourself as an innocent and unsuspecting female, caught in a set of circumstances in which you seem to be constantly surrounded by a horde of intelligent members of the opposite sex...sounds alright doesn’t it?

As female engineering students, it’s really not something we put a whole lot of thought into. Perhaps this is due to the fact that many of us tend to look outside of the engineering buildings when in search of a date. However, one area in which this gender disproportion can possibly cause problems for us, is in its potential to cause us to lose out those valued and cherished bonds we have with our girlfriends. We’re suddenly in a completely different social atmosphere from our high school days, and it’s easy to find ourselves with a lot more guy friends than girlfriends. And although this isn’t necessarily a bad thing, having those super-close girlfriends is just one of those life experiences that most girls don’t want to miss out on. Other than that, this

one-sided gender issue, really isn’t too much of an issue for us at all, seeing as we tend not to pay very much attention to it.

Male engineering students, on the other hand, seem to be acutely aware of this gender imbalance...so what’s up with that? It seems that placing all of these males together, and then throwing a limited number of females into the mix, causes the boys to become more than usually competitive for some female attention. When discussing this topic with some first-year male engineers, they actually agreed with us on this point about feeling more competitive in nature when surrounded by so many other males. Another...interesting point these male engineering students made, was that they themselves, as well as other friends of theirs within the faculty, were afraid that they might possibly ‘lower their standards’ when looking for a lady friend, as a result of this gender imbalance. Our question back to all of you guys who feel this way, is: So why aren’t you looking elsewhere then? Why is it that so many male engineering students are so fixated on this gender imbalance, and on striving to find a girlfriend from within engineering? And, our advice to all of you lady engineers – keep on lookin’ elsewhere! (Our apologies to all of you decent engineering boys).

## The Joys of Growing a Beard



Oliver Heaviside



DAN ARNOTT  
3A ENVIRONMENTAL

Every one of us probably has some sort of list, be it physical or mental, of things we need to do before we die. If you’re a guy, that list should definitely include growing a beard. Why, you may ask? Well, there are dozens of reasons. The best reason, as given by John Belushi in Animal House, is “why not?”

For starters, being clean-shaven is high-maintenance. It requires the application of shaving cream and razors to your face on a regular, sometimes daily basis. This takes up precious minutes that could be spent studying or drinking. And the more we shave, the more blades the shaving industry will start adding to razors, and we all know that’s gone too far already. Beards, however, are as low- or as high-maintenance as you want them to be. In my opinion, a beard should be left in its natural habitat and not disturbed, but if you do feel like grooming it, you still run less of a risk of cutting up your face than you do if you insist on shaving.

A beard can also help you on co-op. If you start your work term as a fresh-faced student, eager to learn and work, everyone will heap tasks on you until you’re buried under a pile of work. If you grow a beard, people will usually assume you’re a project manager and leave you alone. If people do give you work, you can pawn it off on somebody else and they’ll just go along with it because hey, you’ve got a beard.

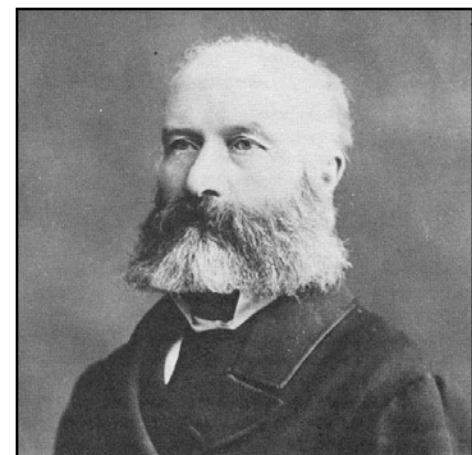
Beards also signify special events. Playoff and Final Exam Beards are common. Other, less common variations

are the Co-op Continuous Phase Beard, Dungeons and Dragons Campaign Beard, Reading Moby Dick Beard, Broke My Arm and Can’t Shave Beard, and the Three Weeks of Water Testing at the Niagara Tunnel Site Beard.

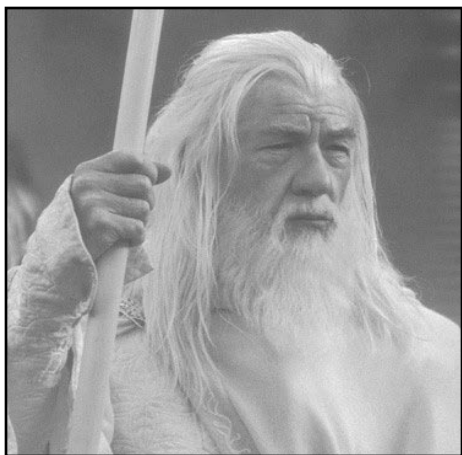
Another useful application of beards is the Bachelor (or Breakup) Beard. If you’ve been dating a girl for a while who insists on you being clean shaven, and she leaves you, grow a beard. This serves several purposes. One, it’ll show her! Two, it’ll make you look older so you can get into bars without an ID check, allowing you to start drinking away your sorrows up to a full 30 seconds sooner. Three, it will keep other girls away until you’ve had a chance to build up your confidence and start playing the scene again. The only flaw in the Bachelor Beard is that some chicks dig beards - just ask John Olaveson.

There are many different kinds of beards to choose from. There’s the Tough Guy Beard, as worn by bikers and Vikings. There’s the Sensitive Guy Beard, as worn by folk singer Iron & Wine. There’s the Rock and Roll Beard, as worn by Billy Gibbons of ZZ Top and Ian Blurton of C’mon. There are Jesus and Moses Beards, as worn by Jesus and Moses; the Colonel Sanders Beard as worn by certain members of the Civil Engineering faculty, the Neckbeard, the Devil Beard, and a dozen other varieties. Lots of cool engineers had beards, like Sandford Fleming, Osborne Reynolds, and Oliver Heaviside.

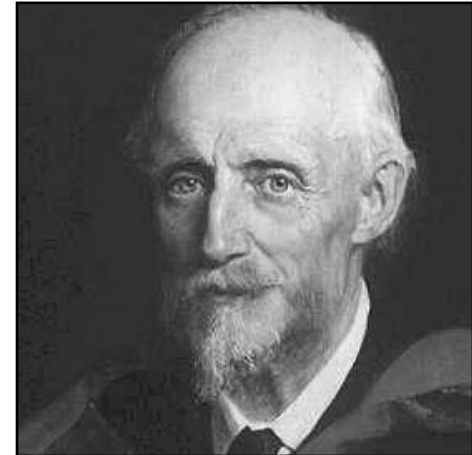
Finally, we men should grow beards because we can. Why should we be ashamed of our facial hair? Because society tells us to be? I think not. A beard shows the world that we are not afraid of who we are. Once you try it, you’ll like it. Beards - they have a way of growing on you.



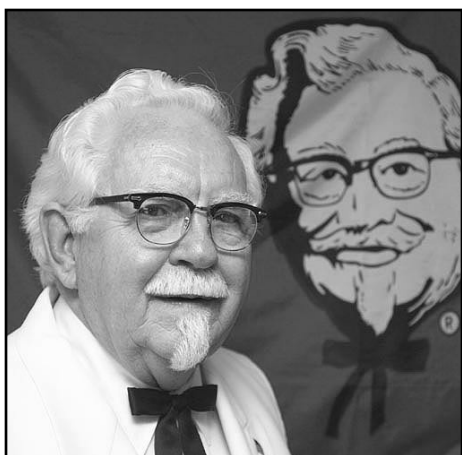
Sir Sandford Fleming



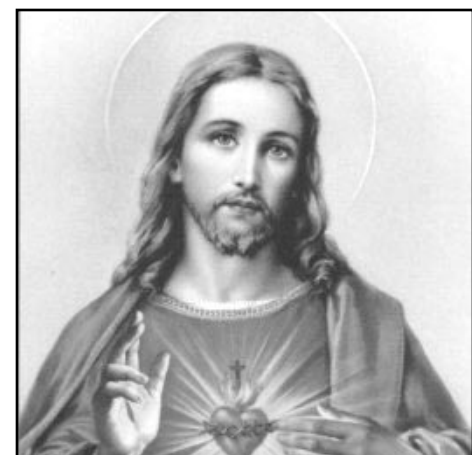
Gandalf the White



Osborne Reynolds



Colonel Sanders



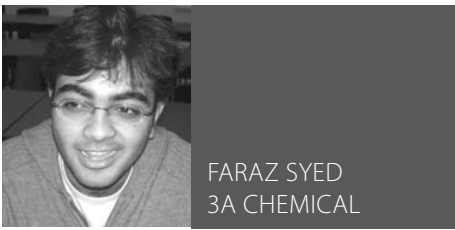
Jesus Christ



## ARTS &amp; ENTERTAINMENT

## Music Review: Rise by Anoushka Shankar

## Metamorphosis of an Ancient Music

FARAZ SYED  
3A CHEMICAL

Anoushka Shankar is no stranger to the world of music. Hailing from the proud tradition of classical Indian music, this sometimes California girl is the daughter of the sitar virtuoso Ravi Shankar, the great performer who once counted George Harrison among his pupils. Anoushka started learning the sitar, which can take a lifetime to master, at the impressionable age of nine. Her recent album, "Rise", shows just how far she has come. She is unique in that her training has been completely under one master, her father, and this was reflected in her earlier recordings. Before "Rise", her recent album, she had released three other albums in which her father's impression was evident. The aptly named "Rise" is a well-crafted and tasteful fusion of different musical traditions, and reflects her coming of age in the world of music as this 24 year old musician starts to develop her own style.

Interestingly enough, Anoushka is also half-sister to the Grammy Award winning artist Norah Jones through her father.

Appreciating classical music, especially something as obscure as classical Indian music can always be challenging, yet the typical iPod-thumping fanboy will take comfort in the electronic vibe that flows through

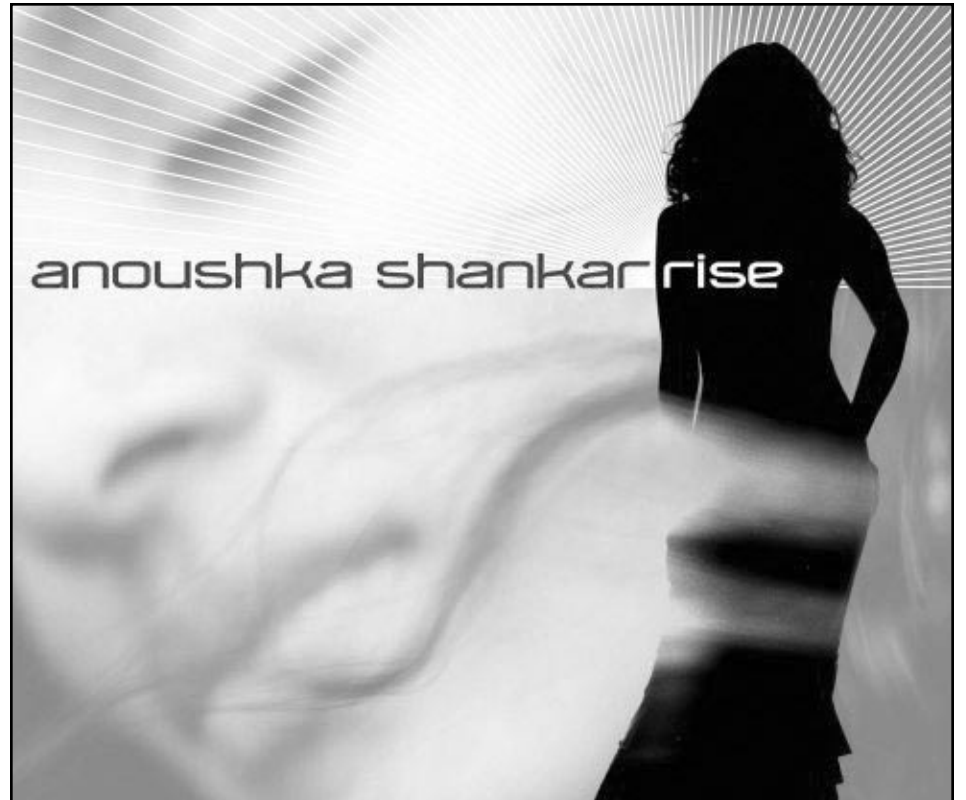
out the album's tracks. If you're a trance or trip-hop fan and looking for good 'alternative' music, it's a fair bet that you will really enjoy this album. "Rise" is an experimental work that is easy to listen to, yet the dark melodies in the album can still inspire chills. It is a step away from the "pretty" melodies that have stereotypically represented Indian music, choosing to dwell on the dark and mysterious side of music instead. Listening to the tracks and unique instruments brings to mind more images of hopeless desert wandering than the typical 'happily running-around-the-tree' style of music that the South Asian film industry is famously mocked for.

While all the tracks essentially remain faithful to the album's theme, each track has its specialities and its moments. Breaking from tradition, I'm going to focus on just a few tracks on the album, although all of them are spectacular. "Sinister Grains" harmoniously brings together many unrelated musical elements, featuring the Aboriginal Australian didgeridoo, the Indian shehnai and South African vocal percussions. It is by far the most electronic track on the album, and certainly the most 'evil', if music can be described that way. "Voice of the Moon" is a simpler type of fusion, combining the Western cello and violin to the Eastern sitar, tabla and santoor. Ultimately, there is no limit to what you can do with music, and this track exemplifies that. It features rich melody after melody, with gradually increasing tempo, and yet manages to harmoniously tie them together. Harmony in music is one thing, but there is such a thing as harmony

between melodies and Anoushka seems to understand that very well. "Ancient Love", by far the longest track on the album, is definitely my favourite. The entire song flows very well, and the only word that comes to mind for this track is 'epic'. I'm not kidding: this song gives you the feeling as if you are going to witness some legendary battle, and this is the theme music for it. I guess the proper way to describe the track is 'uplifting'. "Prayer in Passing" is a very refreshing song with a simple rhythm and evokes

the feelings of early morning as it is set to a refreshing morning raga (melodic mode).

"Rise" is definitely a good buy for anyone starting out in World music, or even Indian music. Electronica and fusion fans will love the way Anoushka Shankar manages to harmoniously blend the different styles of music while getting the most out of each. The entire album can induce a reflective mood, so it certainly cannot be classified as "Easy Listening". This one deserves your attention. Rating: 4/5



## Book Review: 'A Confederacy of Dunces'

DAN ARNOTT  
3A ENVIRONMENTAL

Modern life is rubbish and we're all corrupt cretins. Or so Ignatius J. Reilly, main character of A Confederacy of Dunces, would have us believe. Want to find out why? Read on.

A Confederacy of Dunces was the only novel written by John Kennedy Toole before his suicide in 1969. It follows the adventures of the aforementioned Ignatius, an unemployed fat man with a master's degree living with his alcoholic mother in the French Quarter

of New Orleans. Ignatius's views on morality and philosophy are stuck in the Dark Ages; anyone who he disapproves of deserves to be flogged or "hanged by [their] underdeveloped testicles until dead". As you can imagine, his attempts to deal with the world around him result in all sorts of brilliant dark comedy.

Ignatius gets an elderly man arrested in the first few pages of the book, runs a pants company into the ground, and attempts to install an exclusively-gay world government in the hopes that it will be too busy screwing itself to screw up the rest of the world. He complains constantly about his stomach valve (which closes off every time he gets upset, or so he claims), and rails against the evils of modern life at every opportunity.

There's plenty for Ignatius to

criticize, though. His world is populated with characters too ridiculous to believe. Wannabe strippers, inept undercover policemen, vagrants trying to find gainful employ, scheming capitalists and his Greenwich Village ex-girlfriend are waiting for him at every turn, not necessarily trying to harm him, although this is what he always thinks. In truth, Ignatius causes more trouble for those around him than they ever do for him.

Despite the hilarity of this book, there's a darkness and sadness that pervades it. A feeling of powerlessness seems to affect most of the characters. At many points in the book, Toole makes sure that everyone reading it can see a solution that the characters cannot, making it all the darker. If it wasn't for the absurdity of it all (think Ignatius sell-

ing hot dogs while dressed as a pirate), this book would probably be a little bit depressing.

The writing style is light and easy to follow, with the exception of a few big archaic words, mostly used by Ignatius. Different storylines wind together almost seamlessly, although it feels a little forced sometimes. And although there's plenty of action, the characters are really what make this book work. In identifying with Ignatius, it is possible to discover the inner medievalist you never knew you had. It's scary.

A Confederacy of Dunces is a hilarious read which requires you to use your head a little bit - a rare enough thing these days. But be careful or you may find yourself ranting at the modern world too.

## Film Review: Over the Hedge

TERI LEUNG  
1B SYSTEMS

The explosive hype of X3 and DaVinci Code has left the film "Over the Hedge" overshadowed and unnoticed. Little do we suspect that the film's cute tiny animals can bring such kick-ass action and many many laughs.

The story entails an opportunistic, junk-food adoring raccoon by the name of RJ (Bruce Willis), who, at a failed attempt of stealing an angry bear's food

storage, has a mere two weeks to recover all the food or die. With much luck (or perhaps the lack of), he encounters a family of thoroughly confused foraging animals who awakes from hibernation to find their forest hacked down and replaced by suburbia. His solution: manipulate the foragers to help him gather the goods.

The film has its bit of everything: catastrophic action, "nuts" jokes, witty characters... even a hyperactive squirrel (recall: "Ice Age"). Its depth in its character and the amount of laugh-out-loud moments make up for its mediocre storyline and its toned-down approach on satirical content.

Nevertheless, "Over the Hedge" is high on satire on popular culture,

as are its predecessors (Shrek, Antz, Madagascar). RJ, in his explanation of human consumption, says, "We live to eat, humans live to eat... they drive the food, wear the food... [points to the treadmill] this is what they do to get rid of the guilt to eat more food."

The continued success of CGI animations is because of their seductive qualities in the liveliness of its animation. With this film, it is the textual representations (fur and needles) and the additional bright lighting.

"Hedge" is definitely worth the watch for a good laugh to lose all that exam tension. In regards to the legend of CGI films though, Nemo still perseveres the unwavering position of first.

Rating: 3/4



# CLASSIFIED

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**FAHD BUTT**  
3A SYSTEMS DESIGN

## Elusive

**Prologue**

Careful step a steep decline  
Jagged edges provide no rhyme  
Destruction hasn't a form Divine  
Mirrored mockery intertwined  
Within each passages bickering lines

**Passage 1**

This solitude marches slowly  
Marks it path among the lowly  
The distance grows  
A home not found  
Lost it remains in the precipitous climb  
Over conscience's hills within

Withered flowers burn ablaze  
Testify the end with their remains  
The pain grows  
No comfort found  
In the jungle lies the guiding gate  
Under heart's molten hidden core

**Passage 2**

The voices call from within  
Defeat! craves the chant  
Dispute refrains from claiming hope  
Injures, maims, the dejected dope

Nothing remains but a shallow core  
Wobbling on the burning, hollowed floor

Sickness spreads; light folds  
Essence rhymes gibberish crimes

**Passage 3**

Ocean waves suspended  
Confusion spins winds unseen  
Forgotten: the youthful dreams

Thoughts betray  
The beauty of the silent frozen sky  
Instilled: words, like a candle's last breath

**Passage 4**

Fickle knowledge barter's time  
Freedom lives like a silent passionate mime

Night and day put on their tragic play  
Starring light's odyssey into darkness's fray

**Passage 5**

Worship's end

Denial's friend

**Epilogue**

Abstract thoughts provide nothing  
Insight lacks the elusive meaning

## Porcupines... Better Than Road Kill

**JENN BLACK**  
4A CIVIL

Tired of all that slop you've been eating lately? Just because you're a student doesn't mean you have to eat like one. Here's something new to try!

What you'll need:

- 1 lb lean ground beef
- ½ cup uncooked long grain rice
- ½ cup chopped onion and celery
- 1 egg
- 1 tbsp worcestshire sauce
- 1 tsp prepared mustard (powder)
- 1-1½ tsp salt (to taste)
- ¼ tsp pepper
- ¼ tsp garlic powder
- 1 can mushroom soup
- ½ cup water
- ¼ cup ketchup

What to do:

Preheat oven to 350°F. Combine beef, rice, onion, celery, egg, worcestshire sauce, mustard, salt, pepper, garlic powder. Mix thoroughly. Form into golf ball-sized meatballs. Place in lightly greased shallow baking dish. In a separate bowl, mix soup, water, ketchup. Add more water or milk to get more sauce. Pour over meatballs. Cover with tinfoil and bake at 350°F for 1 hour or until rice is tender. Best if served with broad egg noodles. Enjoy!



**Sandford Fleming Foundation**  
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*Congratulations to*

***Nicholas Lawler, Civil Engineering***

*and*

***Kayan Ma, Systems Design Engineering***

***Winners of the 2006 John Fisher Leadership Award***

*Funding for this award comes from the engineering student contributions and depends on them for continuation*



## engProfQuotes

"t-prime is a placeholder. It could be anything... z, alpha, beta... if I could draw your shoes it would be a shoe!"  
- N. Thomson, ENVE 321

"You know, a partial D.E.? Where the d's don't go up and down anymore, they curl around?"  
- N. Thomson, ENVE 321

"Imagine I could punch you in the arm continuously."  
- N. Thomson, ENVE 321

"As you can imagine, Venice already has its problems with water."  
- E. Cey, EARTH 458

"What happened, of course, is that Murphy was there..."  
- G. Cascante, CIVE 353

"We call that 'mu'." (draws ugly mu) "That was a Friday mu."  
- G. Cascante, CIVE 353

"For every linear programming problem, we have an evil twin."  
- B. Tolson, ENVE 320

"We have to make whole trucks; partial trucks don't sell very well."  
- B. Tolson, ENVE 320

"If I give you \$100 now, I'm going to want more than \$100 back in a year from now. Unless I'm a really nice guy. Which I am."  
- B. Tolson, ENVE 320

"'New and emerging technologies' means they have no bloody idea what they're going to do."  
- B. Tolson, ENVE 320

"Our waste is safe, clean, and friendly. You'll like it a lot. Please don't close your borders."  
- B. Tolson, ENVE 320

"[The state space realization] is not unique. So you may not get the same answer as the guy beside you. On exam, if that happens, don't... you know..."  
- D. Davison, ECE 484

"[The experiment] didn't work at all, but I'm going to tell you the theory anyway. This is what you should have done."  
- Tempel, PSYCH 253

"It's ok if things don't work out like it's supposed to, wasn't my theory."  
- Tempel, PSYCH 253

"After all this screaming and sweeping and sweating, what I want you to know is..."  
- A. Khandani, ECE 316

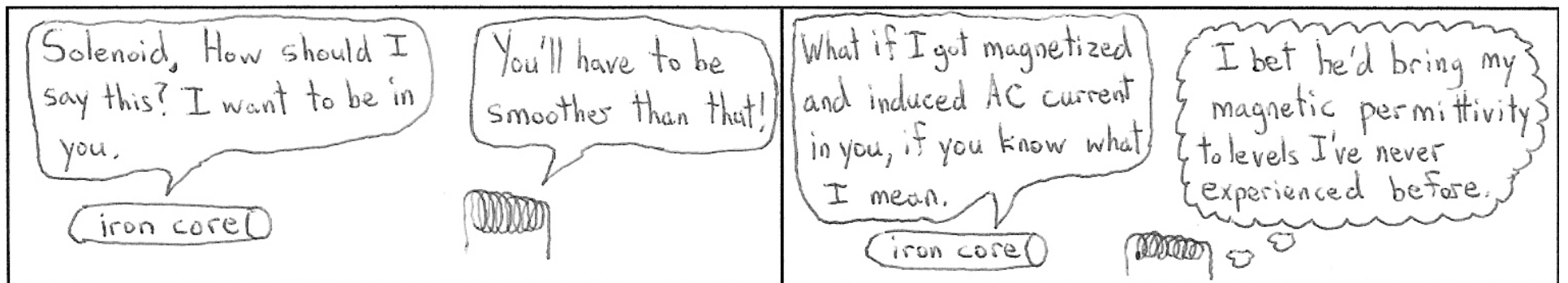
"Then the p comes out."  
- A. Khandani, ECE 316

"So if I flip a coin a hundred times, the probability that I don't get any head is small... Why are you laughing?"  
- A. Khandani, ECE 316

"Those days are over. Now I have tenure so I can drink beer."  
- A. Khandani, ECE 316

"That's how smart students learn; they sleep and learn. I can sleep and teach."  
- A. Khandani, ECE 316

### HAROUT MANOUGIAN 3A ELECTRICAL



## the **Iron Inquisition**

Philip Newman, 3A Systems Design

What are you doing about the summer heat?



"I shave my entire body"

- Sheel Shah, 3A Systems



"For a person as hot as myself, I like it"

- Sunit Mohindroo, 3A Systems



"All you can do is spread your legs and fan your ball"

- Shawn DeSouza-Coelho, 1B Systems



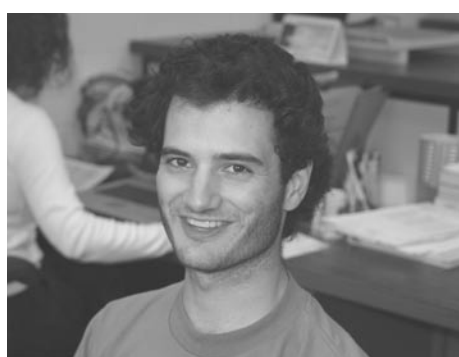
"Sleeping naked"

- Matt Sulak, 1B Systems



"I have central air"

- Andrea Rayner, 4A Chemical



"Nothing, I love the summer heat"

- Adam Neale, 3A Electrical



"Swimming in the fluids lab pool"

- Amy Adams, 3A Geo



"Cold beer."

- Luis Desgrosseilliers, 3A Chemical