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WPIRG vote cancelled Both campaigns oppose decision

IRON WARRIOR STAFF

Following a series of complaints to the referendum committee last week, the WPIRG referendum was abruptly cancelled on Monday.

Students had been expecting to vote Monday and Tuesday on the question of whether the current \$4.75 per term WPIRG fee should be terminated. Instead, the online election page was removed and replaced with an announcement that the referendum had been cancelled due to non-compliance by the yes campaign with a decision by the referendum committee.

The cancellation stems from an decision last Thursday that disqualified the yes campaign for affixing a "yes" poster on top of a "no" poster. The yes committee was ordered to remove all posters within 24 hours. Nicholas Weber, chairman of the yes committee refused to remove the posters, and immediately appealed the decision.

As the posters were not removed, Chief Returning Officer Brandon Sweet issued a

statement on behalf of the referendum committee declaring the referendum to be void. Voting was halted Monday morning, and the online ballot was removed.

Both sides of the campaign have expressed opposition to the decision to halt the referendum. The yes campaign stated that "our posters were not taken down, because to take them down would be unfair, especially considering that the ruling is still in appeal."

The no campaign, meanwhile, sought to reinstate the referendum to bring closure to the issue which has been dragging on for as long as six years. In an email to the referendum committee, they wrote "removing the ability of students to vote on this important issue will leave the question with no indication of a real answer."

The Federation of Students has indicated that it will not unilaterally restart the referendum. The decision rests with the appeals committee, but with the academic term drawing to a close, it is unlikely that any definitive resolution to this issue will be reached anytime soon.

Elec student prepares to defy gravity



CINDY BAO
3A ELECTRICAL

What will you do for the summer? Move to a rather distant and probably unfamiliar place for your co-op? Sit in a lecture hall, while hoping for a lazy day in the sun? For Benjamin Sanders of 2007 Electrical class, it will be "the chance of a lifetime" to ride the Vomit Comet.

Sanders and his three teammates, Farron Blanc from Queens, Meghan Grant from McGill and Jeeshan Chowdhury from the University of Alberta, were selected by the European Space Agency as the finalists of its 8th Annual Student Parabolic Flight program. For two weeks in July, the team will conduct their experiment to

study the effect of varying gravitational pull on the human vision in a specially-converted passenger plane, often used for astronaut training, in Bordeaux, France. The aircraft can simulate weightlessness for up to 25 seconds by flying in a roller coaster pattern.

The team, which includes two students in medicine, is intending to investigate if human's peripheral vision will change under different gravitational conditions. The setup involves two mechanical arms which will swing from the back of the test subject's head sideways towards the front. Just as they enter the peripheral vision of the participant, the angle will be recorded with great precision.

While sounding not so complicated in the earthly environment, much more considerations have to be given to a cabin where everything will float while the experi-

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Student-built robots battle in FIRST Robotics Competition

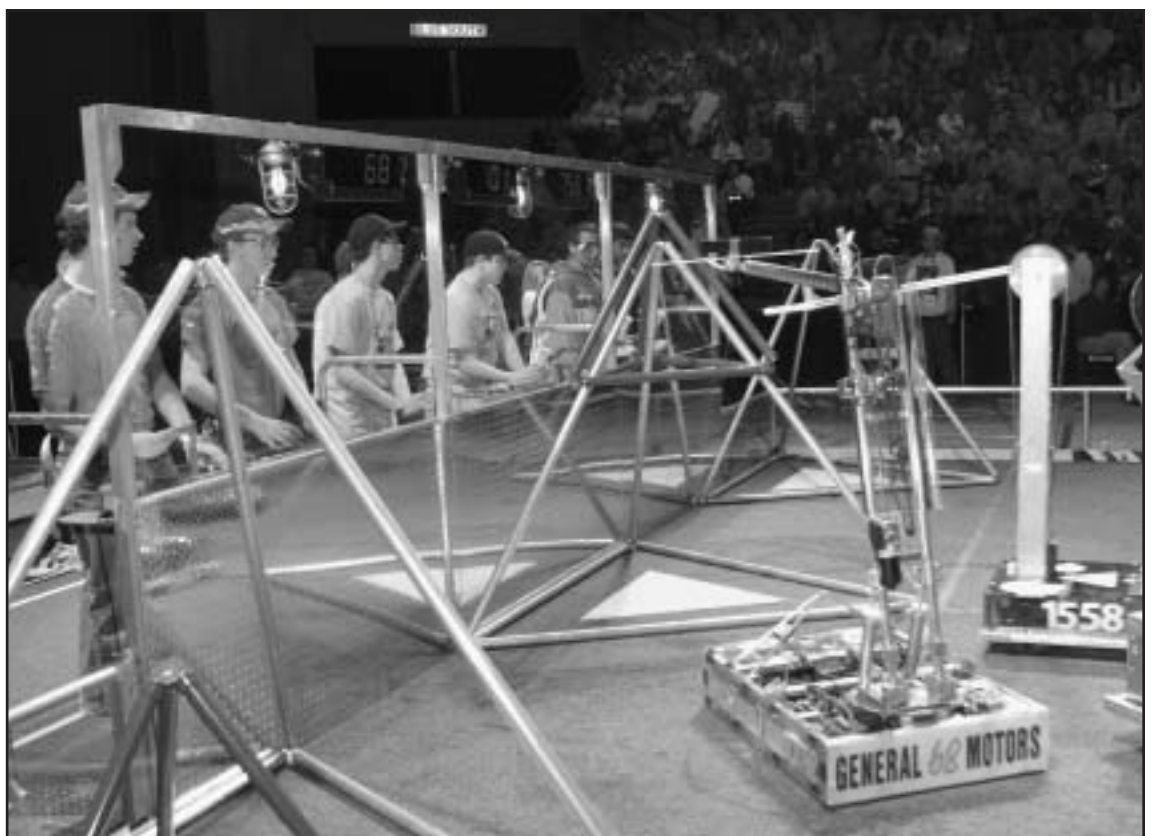


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DAN ARNETT
2A ENVIRO

On Thursday, March 24, high school students from all across Ontario and even various locations in the United States descended upon the University of Waterloo, for the meeting of

minds and metal that was the FIRST Robotics Competition. Indeed, it was a battle of epic proportions that would pit mechanical masterworks against each other in a quest for glory, fame, and a trip to Atlanta for the nationals.

FIRST, For Inspiration and Recognition in Science and Technology, a not-for-profit organization whose goals are made clear in its name, has been running the Robotics competition

since 1992. Teams of high school students, usually sponsored by some science-, technology-, or engineering-related company, will design and build a semi-autonomous robot to perform various competitive tasks.

The pits and machine shop opened Thursday morning in the PAC, as the teams streamed in with their creations. After practice rounds and seeding matches

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See FIRST

End-of-school predictions



SUNG HON WU
4B COMPUTER

It's the last issue of the term, so it's time for this writer to put his reputation on the line and make some predictions. As I look at my crystal ball, I see all of the following happening by 2010. Why 2010? Only because anyone reading this article will have graduated by then, so no one can actually check if any of them become true! So here are my serious (and not so serious) predictions:

1. Star Wars III is going to

be a stinker. The trailers for Phantom Menace and Attack of the Clones were really good and tantalizing, but become remembered for such classics as "Jar-Jar", bad acting, and cheesy teenage temper tantrums. I saw the trailer for Return of the Sith, and wow, it was the best trailer out of all three movies, therefore I conclude it is going to be worst then the other two. Despite that, the movie is going to make hundreds of millions of dollars as I and millions of other people will dutifully sit through two hours of torture.

2. American cars are still going to suck. GM will continue to be known as "we'll give you \$3000 to buy our car, and still it's

a ripoff!". The domination of Japanese cars will continue, including the much anticipated 2006 Honda Civic. Okay, I am the only one excited by that underpowered subcompact car, but I am cheap and it is really good when you have bad parking skills.

3. Marijuana will become legalized. Despite my feelings, I can see where the trend is going and that marijuana is viewed as "cool". Personally, I cannot understand a society that condemns tobacco and smoking as worse then any of the seven sins yet professes an addictive drug like marijuana as cool. I chal-

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Letter from the editor



JAMES SCHOFIELD
EDITOR-IN-CHIEF

Well, here it is, the final issue of *The Iron Warrior* for this term. It's been a great experience being editor-in-chief, and thanks to some great help from my staff, it was a much less traumatic experience than I had expected. I even managed to avoid spending a night sleeping on the couch in the office.

Before I get into thanking my staff, I'd like to take a few moments to detour into a some comments about the purpose of this newspaper. There has been somewhat of a recurring controversy over the past two terms, as students opposed to WEEF, the Engineering Endowment Fund, have placed posters throughout the engineering buildings, only to have them torn down. The WEEF director then generally dedicates a portion of his report to refuting the facts presented in the poster, and surely enough, new posters will go up a short time later.

These individuals have had more than ample opportunity to legitimately voice their criticisms of WEEF—for example, by showing up at the annual general meeting and articulating their position. I am convinced that they have no desire to actually step forward and try to effect some change, and are intent on running around placing posters anonymously in the middle of the night, and then complaining when said posters are removed. I would like to make it clear that if the student(s) responsible for these anti-WEEF posters would like to compose an article and put his/her/their name(s) on it, *The Iron Warrior* is, and always has been, more than willing to publish it.

While *The Iron Warrior* is the official newspaper of the Engineering Society, our mandate is to provide a forum for thought provoking and informative articles. (Read it for yourself, it's right down there in the masthead.) We are sometimes criticized for being too one-sided, and in some cases this may be true.

Unfortunately, this is more representative of the interests and opinions of the students who submit opinion articles to the newspaper than the actual editorial policy of the newspaper. While I would like to always present both sides of an argument, there is sometimes nobody willing to write the other side.

The WEEF issue is certainly something worth discussing, but it is difficult to have a meaningful discussion with an anonymous group who communicates only through posters.

There are many people who have made the production of this newspaper bearable. Dan Arnott, my assistant editor, has been immensely helpful in every aspect of the production of the paper. He has amazed me with the speed at which he learned to do layout, and has been single-handedly proofreading most of the content you see before you. When I was very sick during the production weekend for issue 4, Dan stepped up to fill what I was unable to do, ran a meeting for me, and stayed up late to finish off the issue while I went home to recuperate. Dan will be taking over as editor-in-chief next term, and I have no doubt that he is more than capable of handling the job. I can only hope that the exec will be as kind to him as they have been to me in submitting their reports (mostly) on time.

Gabriel Chan was layout editor, and has also contributed a tremendous amount to the paper this term. Not only did he regularly send in tons of articles and then come in to intricately lay them all out, but he conscripted half of the 2A Systems class into writing articles for *IW*. I'm sure Gab could fill a full 32 pages if I gave him the chance, but unfortunately we only have 16 pages to work with.

Cindy Bao was webmaster, and did a great job of consistently updating the web site with each new issue, even when the fire in CPH put us out of our office for the better part of a week. Many of our readers are off-stream, or not even students at UW, so the web edition of the newspaper is crucial in reaching those readers. Aside from working on the web site, Cindy has also been faithfully submitting a series of regular columns each week, and can often

be seen roaming the halls of the engineering buildings seeking out victims to answer the *Iron Inquisition* question.

To the other writers: Katherine, Neal, Andrew, Francis, Chun, Alicia, Jay, Huy, Ian, Michael, Edward, Sung Hon, and LowRider, thank you for all that you've contributed. Without your articles, there would be no paper. There have also been a number of other students who have submitted an occasional article throughout the term. They also deserve thanks for adding their unique contributions to the newspaper.

And without people to distribute the paper, nobody would read *IW*. Thanks to Richard Li, our distribution manager, for ensuring that every issue was distributed all across campus, and to all the other staff who helped with distribution.

There are some things that could have gone more smoothly in the production of the newspaper. Our proofreading was poorly organized this term, and as a result, some obvious errors that should have been caught managed to slip through the cracks. On the positive side, I've been slowly making some tweaks to the overall look of the paper, and would like to think that it's looking somewhat more polished now.

For anyone interested in working on *The Iron Warrior* next term (in Fall 2005), online applications for editorial board positions are now available on the EngSoc web site at <http://www.engsoc.uwaterloo.ca>. Please also take a look at the information on page 11 of this issue, which gives more details on the responsibilities associated with each of the positions. If you'd just like to write for *IW*, but don't have any interest in taking on a huge commitment, you're always free to drop by a weekly meetings on Mondays—stay tuned for more information in the coming term.

Questions? Comments?

We welcome letters and feedback from all our readers. Please email us at:

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IRON WARRIOR

The Newspaper of the University of Waterloo Engineering Society

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

The *Iron Warrior* encourages submissions from students, faculty and members of the university community. Submissions should reflect the concerns and intellectual standards of the university in general. The author's name and phone number should be included. All submissions, unless otherwise stated, become the property of *The Iron Warrior*, which reserves the right to refuse publication of material which it deems unsuitable. *The Iron Warrior* also reserves the right to edit grammar, spelling and text that do not meet university standards. Authors will be notified of any major changes that may be required.

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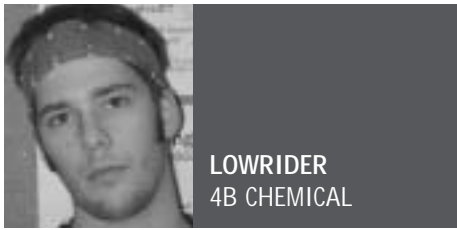
Written by...

YOU!

If you want to contribute ANYTHING AT ALL,

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

This is the end, my B-sock friends, the end



LOWRIDER
4B CHEMICAL

Dear LowRider,

What am I going to do without your column? It's been part of my life for slightly over six months! I know that there is a new LowRider, but he's a Systems guy. What if there isn't even a fifth issue of the IW for you to publish in? Can you say anything that will make it easier to forget you, or would you at least write in occasionally as an alumni? If that's not possible, I hope you tell me WHY SYSTEMS???? WHY??? What about the history of LR??

—Angry Chemmie and MTT

PS: How was IRS?

Dear Angry,

Let me address your anti-Systemetic view first. I understand where you're coming from. Chemmies are by far the coolest, end of story. This guy will be good, though. Otherwise, feel free to beat him up.

As for forgetting me, it will happen in time. You know, nobody around these days remembers the LowRider before me. By the time you get to third year or so, you won't even remember me, and there will be yet another LowRider writing for the IW every week.

So, keep practicing your impressive nautical skills, never miss an OT, and have fun learning circuits this summer.

—LR

PS: Sorry if I lead you astray in calculus at all. You guys were a good class.

Dear LR,

I think I have finally revealed your secret identity. If I remember correctly, you were the crazy guy running around IRS a yellow bandana with IRS written on the front and Lightning Bolts on the side. Very nice. I think you had some kind of super cool moustache / beard thing happening.

You have served the IW reading public well during your time in office. This god-forsaken column has been taken to new

heights with your wit and misspelling and run on sentences. Thank you for keeping the IW cool and adding much value to not only this newsprint you hold as you sit on the can, but to the Faculty of Engineering at UW. I mean it MM. Enough of the sobbing whiny crap already.

How does it feel to finally be ringed? What do all the retired LowRiders do in all their spare time? Do you ever hang out with those groupie fan club chicks in their old age? I look forward to retirement someday. So close yet so far away.

—_LR_

Dear _LR_,

Well well well. If it isn't my worthy successor. What's with the underscores? Probably some kind of new age thing that I wouldn't get anyways. As for your misspelling, and run on sentence, jab, I must say that I do not appreciate that kind of remark, and that I think I have really good English skills, in writing, and reading, or speaking, for an engineer, you will find that to be very, important if you ever want a real job with responsibilities, and importance, after your graduation. So there.

My ring feels good. It is fun to tap on stuff, such as tables, walls or a beer bottle. My favourite thing to tap it against would have to be The TOOL. You'll get to try that in a couple of years.

Sometimes we have LowRider reunions. You'll be invited in due time. I will keep in touch with a few of the fan club chicks, for business (read child support stuff) or pleasure (read passionate booty calls) or advice (read old-school LowRider advice).

Thank you for all of the praise. It is well-deserved. I'll leave the next letter to you as I ride off into the sunset that is graduation.

—Matt Moore, formerly known as LowRider

Dear New LowRider,

I think you are by far the coolest human being walking the planet. I just wanted to get that out into the open and off my hairy chest. You light my fire man. Since you are the top of the food chain at Waterloo, I have a confession to make before I graduate. I want to tell you a story so that you think I'm really hip.

There was this one time when I coped at the world's largest car maker. They gave me this sweet azz Kadillac to cruise around in for the day. I was pimpin'. I even burned this cd with all kinds of gangster Kadillac songs. I was a singing "Nick nack paddy whack de block riding Kadiallac" all day long. Can you feel the groove?

I had to show all my buddies this sick machine. I drove four hours to show off my ride that wasn't really mine. I started doing crazy donuts in a parking lot. I was laying insane amounts of rubber. The asphalt trembled with fear. I was hanging out the window of the car trying not to die of rubber smoke inhalation yelling swear words that would make little children cry.

Just as I was climaxing, one of the tires blew and took with it half of the bumper and fender. I crapped my pantaloons. So then I drove back on the donut spare with my tail between legs and bumper scraping the 401.

I told the big guys that sit at desks and do nothing that I was doing "acceleration tests in a parking lot". Can you believe they bought that crap? It was amazing. The funny thing was, they never invited me back... To this day I don't know why.

Do you think I'm cool?

—Maniac Mechie
P.S. When I dance at bars I pretend to drive a bus.

Dear Smoke Show,

You redefine kickin' the tires my

good man. Well done bus driver. Was this Kadillac a model from 1964 painted Candy Red with White Walls? Didn't think so. If you go out, you had better go out in style. You have done well young one. Keep it Low.

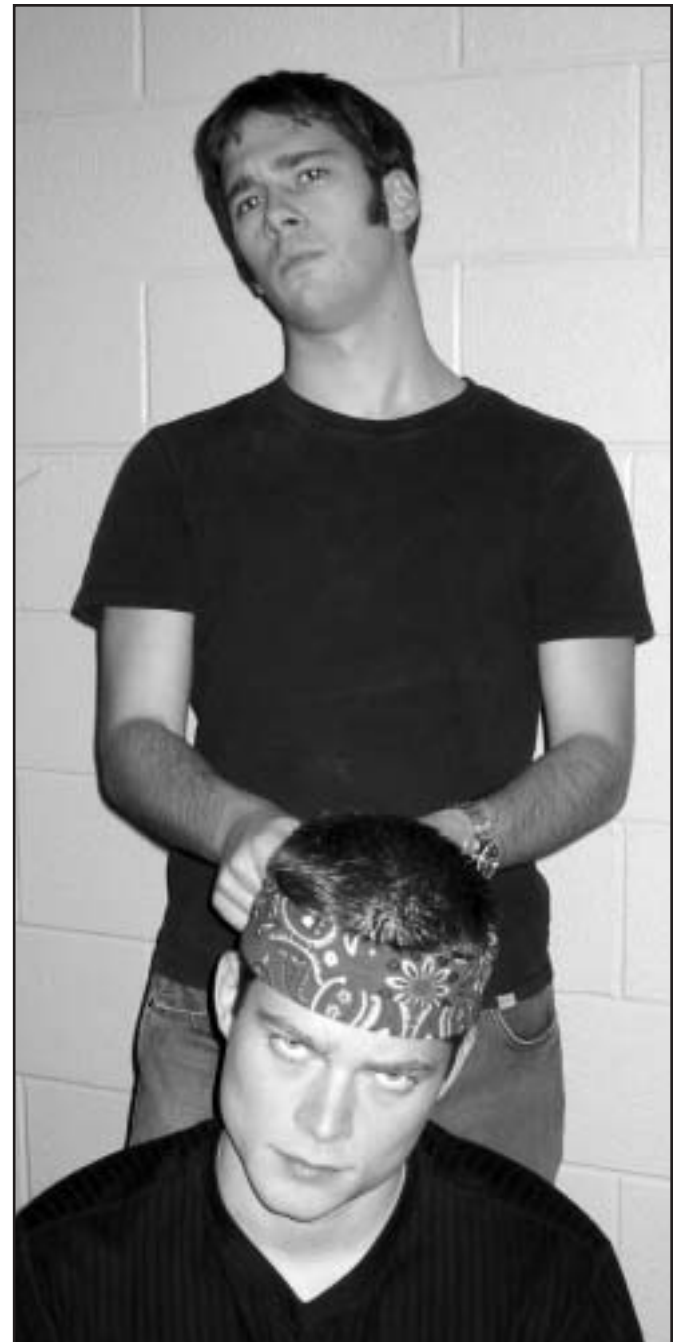
—LowRider

P.S. Good luck to all you grads. Keep the Waterloo name proud.

Have a problem? Need advice?

Email LowRider at:

uw_lowrider@hotmail.com



World's worst humanitarian crisis



GABRIEL CHAN
2A SYSTEMS

"The only thing necessary for the triumph of evil is for good men to do nothing."

—Edmund Burke

This statement is well-suited to many situations. If you see a theft and do not report it, you are letting the bad guy win. On a larger scale, the holocausts of Nazi Europe and Imperial Japan were largely ignored until they became too large of a problem to be ignored anymore.

Holocausts should be a thing of the past; cruelty not matched by any other species in the world should never be repeated. And we are constantly reminded: China, Korea, and south-east Asia never shut up about what the Japanese did in World War II; many Jewish groups never hesitate to raise the issue of anti-Semitism at almost any given opportunity. For very good reason, they never stop reminding,

because the world seems to need constant reminder.

And the world seems to constantly forget! It happened on a smaller scale in South Africa and Rhodesia, it happened on larger scale in Cambodia, Rwanda, Bosnia, and Kosovo, and it is now happening in Sudan....since 2003.

The UN, prior to the Aceh Earthquake, called the Darfur conflict the world's worst current humanitarian crisis: the world response to the tsunami was arguably the fastest in history, yet the slaughter in Sudan has been going on for more than 2 years and no one has done anything about it.

The Darfur crisis is no secret to anyone. Unless you were living under a rock for the last two years, it should not surprise you that 300 000 people have already died, 1.8 million people have been driven from their homes, countless ethnic black Africans have been systematically raped and murdered by government-backed Arab militias.

That's right, systematically. The Janjaweed militants may not have cremation chambers, gassing facilities, and concentration camps, but they don't need sophisticated equipment to commit mass

genocide. If the militants are not systematically [literally] fucking their victims, they are systematically emptying their Kalashnikov rifles into the innocent masses. The worst thing is that even the Sudanese security forces are allegedly providing military support for the Janjaweed. And the world has done nothing.

Well, not absolutely nothing. WHO and various NGOs have risked their personnel in Darfur to assist the refugees all they can. UNSC has finally decided to send a peacekeeping force, although they aren't deployed in the Darfur region. However, without any real political action against the Sudanese government, bandage solutions will not stop this holocaust.

The United Nations has been largely frozen as its member states squabble over the American invasion of Iraq. With the members of the Security Council at loggerheads, not even a UN resolution condemning the goose-crap situation on university campuses could be passed.

This should be a time when countries sideline their national interests and focus on the crisis at hand. This should be the time when the UN intervenes in Darfur

with military power, economic sanctions on Sudan, or both. This should not be the time for evil to triumph as no one decides to do anything. The world does not need another holocaust.

"War may sometimes be a necessary evil. But no matter how necessary, it is always an evil, never a good. We will not learn how to live together in peace by killing each other's children."

—James Earl Carter (former US President)

Boggan Burgers!

Boggan Burgers are now being sold by the 2007 Concrete Toboggan team. Every Tuesday and at every OT from now until the race in February 2007, Boggan Burgers will be on sale for \$2. Please show your support for the '07 team by buying a tasty burger to satisfy your hunger. Beer and burgers go well together!

Death Sentence for Schiavo?



DAN ARNOTT
2A ENVIRONMENTAL

On Friday, March 18, doctors removed the feeding tube from Terri Schiavo, a severely brain-damaged and paralyzed woman in Tampa, Florida, essentially condemning her to death by starvation and thirst. Amidst the legal battle between her parents and her husband, the question has come up time and again: Is this really what she would have wanted?

Schiavo suffered brain damage in 1990, and has since lived in what is considered by doctors to be a permanent vegetative state. For the last seven years, Terri's parents Bob and Mary Schindler have been at odds with her husband Michael Schiavo as to whether or not Terri should live or die. Her husband insists that before the brain damage occurred, Terri had expressed to him on several occasions that she would wish to die if she ever became severely incapacitated. The Schindlers disagree, maintaining that the decision to end Terri's life should not depend on some alleged comments made years ago. They also insist that Terri is not vegetative, but in a 'state of minimal consciousness' and may recover eventually.

The ensuing legal battle has resulted in many lengthy appeals—the Supreme Court of the United States has rejected a request from the Schindlers to re-connect Terri's feeding tube, a decision which only increases the already-heightened sense of drama surrounding the situation. The Schiavo case is being hotly debated by various political and religious groups, some of whom feel that it is an act of mercy, some of whom see it as nothing more than murder. George W. Bush even commented on the situation, saying that he was 'disappointed' with the decision to disconnect Terri's feeding tube.

The ethical implications of a case like

this are huge—since it is impossible to directly determine the wishes of a person of minimal consciousness by communicating with them, how can one conclude at all that they wish to die? On the other hand, many see it as an act of mercy to let Terri die, especially since the feeding tube has been removed several times, which will undoubtedly be hard on Terri's system and may cause further damage. Plus, the fact that someone is being systematically starved and dehydrated to death in a modern civilized society is absolutely barbaric to many. It takes nearly two weeks for somebody in a state of minimal consciousness to pass away once their feeding tube has been removed, a long period of suffering in any case.

Whether or not you agree or disagree with the decisions of those who decide Terri Schiavo's fate, there is no doubt that this case represents a defining issue of our time, a precedent with far-reaching implications. Will this decision affect when, where, and how we may find ourselves on our deathbed?



GABRIEL CHAN
2A SYSTEMS DESIGN

A study by Oxfam International reveals that more women were killed in the Aceh Earthquake and Tsunami than men. In some areas, three to four times as many females as males were killed. In some villages, only women were lost. Oxfam International conducted their research on the Indonesian province of Aceh, the Cuddalore district of India, and took data from emergency camps across Sri Lanka.

Already in most Asian countries,

Continued from cover

ment is taking place. For example, the participant will be strapped down to remain stationary. The engineering design of the team's apparatus is mentored by Professor Gorbet from the ECE Department.

Canadian astronaut, Dr. Dave Williams, who has a background in the medical field, is supervising the team and he will likely even fly with them this summer. He met Sanders at a conference in the University, held by the Waterloo Space Society, of which Sanders currently serves as the president.

The European Space Agency each year selects thirty teams of students for the Parabolic Flight program, most of which are European students. Sanders and his teammates, being the only Canadian team that made the cut this year, had to beat out some tough competition. To maximize their chances, the team members worked diligently on two proposals. The other one focuses on how the locations of internal organs change with gravity, but it wasn't picked because of the limitation of having

an ultrasound device on the aircraft.

Sanders first became interested in space while on a canoe trip in Northwest Ontario in the summer of 2000. Observing the stars without the pollution of the city lights inspired Sanders to pursue the dream of becoming an astronaut. Four years ago, when he first met Marc Garneau, the first Canadian astronaut in space, he gave him a list of things to do to prepare for a career in the field. One of the items on the list was the Parabolic Flight program. It also includes scuba diving, grad school, etc. Sanders kept the list in his wallet.

As for the future, Sanders is looking into the opportunity to study at the Space University in France. The school offers a one-year masters program to learn about all aspects of space and it is targeted to a broad range of fields, such as space laws, engineering among others.

At the current time, Sanders and his teammates are having their two-week preliminary training and a design review at ESA's parabolic flight headquarters just outside Amsterdam.

Gender imbalance a ticking time bomb

deeply-rooted traditions favouring males have caused a disproportionate gender disaster in those countries (i.e there is a saying in Hindi urging women to bath in milk for baby boys). This translates to a great percentage of the country will be unable to marry. Not only did the tsunami add to the problem, it also widowed many men as well.

So what is wrong with a country full of bachelors and single males? Firstly, the nation will run out of alcohol because of all those bachelor parties and keggers... But in all seriousness, a surplus of males in any society is a huge problem and a potentially deadly ticking time-bomb.

That was quite a mouthful, but imagine this scenario: a group of young men are hunting for wives, but cannot find any at

the local village, so they purchase them through illegal smugglers. Some are not lucky enough to get an imported wife, so they go look for work. And not surprisingly, the competition makes Jobmine look like a joke. Unable to find work, they resort to criminal activities to make a living. But imagination is not needed for this scenario; this is becoming the reality.

Restless young males may cause considerable social unrest and instability. Widowed males may have considerable difficulty bringing up their children, traditionally the women's role in these regions. Thus, Oxfam is calling on aid agencies and governments to do something about this issue, as ignoring it would be courting dire consequences. A ticking time-bomb that has just ticked faster.



Sandford Fleming Foundation
E2 3322, ext 4008, sff@engmail
www.eng.uwaterloo.ca/~sff



The Sandford Fleming Foundation final debate was held on March 11. The winning team was from Systems Design Engineering consisting of Geoff Rawle and James Gannon. Second place was Electrical and Computer Engineering represented by Zac Balson and Matt Strickland.

POINT VS. COUNTERPOINT

Should WPIRG receive student funding?



DAN ARNOTT
2A ENVIRONMENTAL

By time you read this, UW students will have voted in a referendum that will define the identity of our university. An important decision has come to the table- will WPIRG, the Waterloo Public Interest Research Group, continue to be supported by student fees? Let's cut to the chase- of course it should. And here's why.

What does WPIRG do? The bottom line is that it empowers students to work on issues that they are concerned with, by providing resources, information, discussion groups, speakers, conferences, or by supporting small- and large-scale projects. It is a not-for-profit organization, with its workers making significantly less than other

University employees doing the same work. Why would they settle for this? Because they believe in the idea of WPIRG, and they are motivated by the greater good instead of the 'almighty dollar'- a lesson that many Waterloo students could

use to learn. WPIRG has been responsible for bringing numerous guest speakers to Waterloo, most recently the respected environmentalist David Suzuki. They have held conferences on HIV/AIDS issues, community activism, renewable energy, racism, and many other relevant issues. They have offered training in public meeting facilitation, consensus-making, communication, event planning, and other useful skills. They have partnered with the community on charitable projects, supported international environmental projects, and held cultural events such as the Rainbow Reel Film Festival. It is obvious that our campus would be a much weaker and less interesting place without WPIRG.

But the problem is, they are taking \$4.75 a term from us in student fees, and the principle of that evidently offends some people. Why should they pay for

something that they don't necessarily support? Well, they don't have to. That's right, WPIRG fees are fully refundable, just like WEEF. "Well, how come I never knew about it?" you ask. Let's face it- you're in University. You're responsible for your own education. Your profs aren't going to spoon-feed you, and why should WPIRG? It's as easy as a click of a mouse to find out when you get your money back-why more anti-WPIRG students can't do that is beyond me. Maybe they're afraid that if they ever went to the WPIRG website (www.wpirg.ORG- don't be deceived by the false one), they might get interested in the kind of stuff that WPIRG offers and not want their money back. And let's put this in perspective- it's \$4.75. Sure, I'd like \$4.75 right now, I could get some food at the C&D, but I'd much rather do something about those ungodly Co-op fees that are at least a hundred times as big. And only 8% of WPIRG fees go to administration- could the same be said of our Co-op dollars?

"WPIRG has been responsible for bringing numerous guest speakers to Waterloo, [including] David Suzuki"

Anyone who's been on other university campuses in Ontario will surely agree that Waterloo has a different feel to it. Maybe it has something to do with all the students being pitted against each other for co-op jobs or being ranked as 'better' or 'worse' than their classmates based on final marks, but Waterloo has a less collaborative, more competitive atmosphere. Students are becoming old and bitter before their time, interested only in their own gain and oblivious to the troubles of others. This is not a mentality that fosters a positive campus atmosphere! And that is what WPIRG is fighting to change. If we, the students, are not concerned with the public interest, what kind of people will we be when we graduate? How will we use our newly-acquired knowledge- for the greater good, or for our own gain? Do we want to live in a society where people care only about themselves? What we learn here will form the basis of the rest of our lives- let's make sure our concern for the public interest doesn't fall by the wayside. To those who voted 'no', thank you- you're already making a difference.



JAY LIU
4B COMPUTER

Picture this: You visit the Ministry of Transportation to renew your driver's licence. When you are about to pay, you notice a \$5 charge for "Liberals". You ask the nice employee behind the counter what it is, and she tells you it is a fee that goes to the Liberal Party of Canada. The party is doing wonderful things for Canadians, such as seeking equality for homosexual relationships, creating responsible federal budgets, maintaining universal health care, and helping to reduce greenhouse emissions by participating in an international environmental protocol. And the fee is fully refundable. You only need to go to their offices three blocks down the road with your receipt. You do have to pay this fee now. Otherwise you do not get your driver's licence.

How would you react? Now, if you were a Liberal party member who faithfully pays his dues each year, would you react differently?

Now, the Ministry of Transportation is the University of Waterloo.

The Liberal Party of Canada is WPIRG. And you are not getting your driver's licence. You are getting your degree.

Of course, you can choose not to get your degree the same way that you can choose not to drive. But is that fair?

No. I do not hate WPIRG. I have even attended one of its meetings four odd years ago. Granted, I do not love it either. I consider myself in the same situation as many others on campus: I am indifferent to WPIRG. I cannot care less about what it is. I have not the slightest idea whether it is good or bad to have WPIRG. For all I know, I support everything that it says it does: eradicate discrimination, create a better environment, and seek world peace. Sure, that all sounds nice. I support United Way, as well. As well as the Red Cross, Cancer Society, Scouts Canada, Goodwill, WWF, Greenpeace, Terry Fox Foundation,

"Getting the refund is too much work and a headache, and at any rate an unreasonable imposition"

EFF, ACLU, et cetera, et cetera. WPIRG is no more noble than any of these.

And look how these organizations survive: oh my, they survive without UW students contributing refundable fees!

This is my point: there is no reason for students to be forced to pay into the coffers of WPIRG. WPIRG keeps saying that the fee is fully refundable, but that misses the point: it does not matter if it is refundable. The problem is the fee is forced upon every student in the first place.

And WPIRG may say that since the fee is fully refundable, it makes it all good. But the fact is- and WPIRG knows this fully well- the majority of the students are paying the fee and not getting a refund. Not because they do not want the refund, but because getting the refund is too much work and a headache, and at any rate an unreasonable imposition. That is how WPIRG has been able to collect hundreds of thousands of dollars in income to support its own activities and why it is defending the refundable fee formula so

pro-actively: WPIRG knows that without this blurry concept of "refundable mandatory fee", it will not be able to collect enough voluntary donations to survive.

But my, no WPIRG? Well, if not enough people are interested in financially supporting WPIRG, that is WPIRG's

problem. That is the problem with every non-profit organization. That is why fund raising is such an important but difficult job for these organizations. But WPIRG took the easy way out. By collecting fees that it knows it otherwise would not have received, but being able to duck under the cover of "refundable", WPIRG has managed to become bigger than it is sustainable by itself.

This issue is not just restricted to WPIRG. I have the same problem with Radio Waterloo and Imprint. It is the same concept. Radio Waterloo is playing things that no one cares about. Imprint is printing excessive numbers of papers that the recycling boxes are having trouble coping with.

Their argument is that if people are really against these clubs- and that is all these three are- they could have asked for a refund. But that misses the point. It is about individual right. It is my right as an individual consumer to choose where I spend my money. To change that right from being able to choose how to spend into having to ask my own money back is to violate this right. Even the government does not deduct the GST first and then ask you to claim it back when you did not buy things that are not subject to GST.

But they tell you it's only \$4.75! It's a bargain when you are saving the world! You're wasting it any way when you buy a cup of coffee at Starbucks! Well, maybe I'm just cheap. Fine, I'm cheap. I have the right to be cheap. \$4.75 feeds me well enough to live another day. If you are so rich, then stop showing off and go support WPIRG yourself.

Editor's Note: Point vs. Counterpoint is intended as a forum for objective and thought provoking debate on various issues. The views and opinions expressed here do not necessarily reflect those of the author(s), the Iron Warrior, or the Engineering Society.

Jurassic Park 2010

Researchers discover cells and blood vessels from T-Rex fossils



GABRIEL CHAN
2A SYSTEMS DESIGN

Last week, American palaeontologists discovered soft tissues in a dinosaur fossil found in Montana. In a CNN special, reporter Candice B. Reel claimed that they were going to build a dinosaur amusement park in five years; project "Vision 2010"? not only sounds cool, but will also feature real dinosaurs cloned from DNA found in soft tissue from these special fossils.

Sounds like science fiction? Before Michael Crichton files a lawsuit against Iron Warrior, please let me say that the

above story is largely false. Wait a minute! That implies something up there was true? Believe it or not, yes there was.

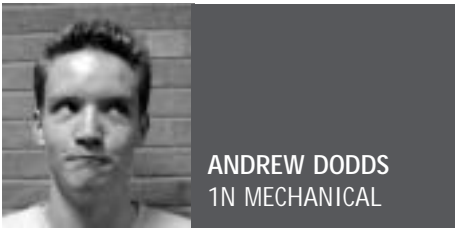
Researchers at North Carolina State University discovered cells and blood vessels from fossil of Tyrannosaurus Rex recovered from the Hell Creek Formation in eastern Montana. Under normal circumstances, soft tissues get devoured by maggots and other little critters, while bones get heated, crushed, dissolved, and finally replaced by rocks (this is called fossilization).

However, in specimen MOR 1125, Dr. Mary Schweitzer found various cells and filaments, resembling red blood cells, osteocytes ("bone cells"), and blood vessels. They successfully isolated the soft tissue from the femur of the 68-million-year-old fossil. Another source reported

that similar findings were present in other fossils.

Because traditional theory states that soft tissues have infinitesimally-small probably of surviving more than ten thousand years, this new find questions our understanding for the fossilization process may revolutionize palaeontology. Although the team has successfully extracted soft tissues, finding DNA is not a realistic possibility. However, biochemistry has proven that proteins are more durable than DNA, so salvaging macromolecules such as proteins (DNA is an integral part of protein synthesis) is a more realistic goal for Schweitzer and her team. Cloning will probably not be possible for a while, so if you are a big fan of Jurassic Park, keep waiting (or go take biochem).

Final update from India



ANDREW DODDS
1N MECHANICAL

Finally it is coming to an end. We're into our final few weeks here, and you're all finished up at UW. With lectures I mean; finals will be abusing you in no time. Hopefully you've also got a job lined up that will give you a good experience, good pay, and that won't drive you insane. I've had the pleasure of talking with some of the 1B Mechs, and aside from the sweet pay, they're firing on all cylinders to take up all the other goodies India has to offer. Coming out of 6 weeks in India, between the food and the experience, we're stuffed.

Next week has double importance for us. Friday marks the end of all of our lectures, and hence all need to wake up before noon for a good month. It is also during that week that we will have four final exams covering metrology, electricity, welding and machining, so don't think we get off any easier than you. From now on until we leave, we're working on our various projects, including an acetylene generator, a pipe cutting machine, and even two lawnmowers (hopefully dueling à la junkyard wars/battle bots). We're designing all of them for use here in India, with no plans to follow, so we have to use our imaginations to fully CAD out our models, and our skills to build it. We've come a long way since first snapping bit after bit on the shaper.

We still have more travels to complete before our last 3 weeks are up. Not too long ago we visited a tractor factory and a hospital while journeying again to Chandigarh. The factory showcased state of the art machines and assembly lines, operating 24/7/365 to churn out large combines and tractors from 35-70HP. The hospital is partnered with one of the top hospitals in the US, in Boston, and boasts world-class facilities. We toured the impressive facility, which sported

over a dozen specialties, and won the award for the best-designed hospital in the world when it was built less than 2 years ago. Early in April, we will travel to Jaipur, Agra, and Delhi, and we will experience true Indian immersion in some of the most heavily populated cities around, taking in many sights such as the Taj Mahal before returning home mid-April.

Culturally, we've experienced much during our stay here. From our early adventures on campus and off, we've added to our experiences further, joining the students on campus in their music/drama (mudra) festival, participating in a band, a cultural dance, and even a fashion show. While you all ate Easter eggs (or slept in) during Easter weekend, we experienced a different holiday, waking up to paint fights celebrating what I understood to be Holi (if I heard anything correctly while avoiding flying paint), celebrating the colors of life I believe. I can't say I've fully grasped the meaning behind all the festivities that have come and gone here (and I know I still can't figure out half the holidays we have in Canada), but I can say that I've certainly felt the spirit of celebration here, whatever the occasion.

Yes, living on the far side of the planet does show you a completely different world, shaking us from atop our Canadian perch, and it is true that we won't be the same people coming home. Yes it has been quite hard working 35 hour days and going week after week without seeing our loved ones. No, we would not trade this experience for anything. We come home to Canada tired, but with a glimpse of all things unfamiliar, all new things good and bad, and we come home changed for the better. We can only thank Dr. Bedi in Canada and our most gracious hosts here in India for this experience. We wish all the other 1B Mechs the best should they be so lucky as us, to venture to the limits from home, for like us they will be exposed to a different world, and a journey that will forever change the paths we choose to follow, or the paths we dare to shape for ourselves.

30-Hour Famine: Scores of starving students in SLC



GABRIEL CHAN
2A SYSTEMS

Two weeks ago, a devastating accident occurred in the secret nuclear fusion reactor in an E3 lab, damaging many residences, flattening most parts of the campus, and utterly destroyed the neighbouring University Plaza. Although surviving engineers organized a relatively swift and successful reconstruction effort, scores of students are starving due to lack of food and water. Many are not expected to survive the resulting famine that has ravaged the UW area.

Actually, that was not true. Nobody got hurt. There was no nuclear accident. And I'm almost certain that McMaster is the only university in Ontario with a nuclear deterrent of some sort. But 800 million other people around the world are experiencing this disaster every day: the world hunger problem is a harsh reality and most believe that nothing can be done about it.

But two weekends ago, 200 UW students decided to refuse to do nothing. The 30 Hour Famine was held from 6pm on Friday March 11th to 12am on Sunday March 13th (i.e. the midnight of Saturday night). UW's own 30 Hour Famine was organized by three 2A Systems Design Engineering students, Timothy Szeto, Kevin Li, and Taneem Talukdar. All participants collected donations from sponsors willing to support their selfless initiative to observe 30 consecutive hours of fasting and abstinence, experiencing the hunger that is prevalent throughout the developing worlds.

As pledge forms are starting to be returned to the committee, 30 Hour Famine organizers so far counted a total of \$9000 raised for this event. All the money collected is going to be sent to World Vision, an international non-profit

organization which helps communities increase their capacity to grow and prepare nutritious foods, among other social work and programs. World Vision maintains its benevolent presence not just in developing nations such as Malawi, Tanzania, India, Nicaragua and Peru, but also disaster zones, such as Indonesia, Sri Lanka, Bangladesh, Thailand, and other areas devastated by the recent Aceh Tsunami. Such programs are reducing the levels of undernourished children and are contributing to the long-term, overall health of community members. The top participants raised \$406 and \$390 (for first place and second and third tied, respectively).

As the headline suggests, many 30 Hour Famine participants stayed in the Student Life Centre for most of the event, with some camping out for the entire ordeal. Various activities were held for the participants throughout the duration of the event. On Friday, IceBreakers were organized by The Crew, followed by various movies and games. Saturday saw several speakers and performances for the 30 Hour Famine group at SLC, including Benjamin Land from World Vision (who lectured about 30 Hour Famine), Engineers Without Borders ("Food for Thought" presentation), The New Aardvarks (improv comedians), Waterloo Juggling Club (guess what they did?), and a concert featuring an assortment of campus bands. A poker tournament was also held, sponsored by CIBC, UW Retail Services, UW Food Services, Apple II Hair Salon, and East Side Mario's eatery.

Although food was provided for everyone after the 30 hours were up, over 12% of the world population do not have this happy ending. The UW 30 Hour Famine Committee encourages people to continue their support for world hunger and would like to extend a special thanks to all sponsors and volunteers who contributed to this successful event.

Reminders to people who have not returned their pledge forms yet, please email uwfamine@gmail.com

Interview with The Young Communists League

NEAL DAMGAARD
3A CIVIL

The Young Communist League (YCL) posters set up throughout the halls last week attracted some attention and piqued some interest. Iron Warrior staff interviewed Phil Mowatt (2A Comp Sci), organizer of the UW chapter of the YCL, to get the scoop on what this organization is, what its members believe and what they hope to bring about.

IW: What is your definition of Communism?

PM: Communism is primarily an economic scheme where the means of production is in the hands of the working class. Ideally, in fact, the Communist society is classless; in it, the people who work also govern. This is the application of the philosophy of Karl Marx and Friedrich Engels, who together conceived of the theory of historical and dialectical materialism, which forms the basis of the Marxist Communism (Marxism).

IW: Are the benefits of this system only in terms of material goods?

PM: The Communist system is not simply about equal distribution of material goods. It is about giving everyone the pos-

sibility of being truly free. It is about recapturing sovereignty of self and equality for every person from capitalist oppression and wage slavery. There's a quote from a RATM song: "No one is free while one man is oppressed." These issues affect everyone.

IW: To what degree should possessions be held in common?

PM: This is a question that the people would decide for themselves. Definitely the means of production must be held in common. Ideally there would be no private property, nor any need for it; even homes would be held in common and distributed equally.

IW: Is there not some possibility of the same greed which you see as a mark of capitalism also corrupting the Communist order?

PM: Humans are not born corrupt; if the social order changed to accommodate socialism, the human psyche would likewise change, it would no longer see a place for greed or selfishness.

IW: Do you consider Communism to be a failure thus far in history?

PM: There have been considerable failures of Communism in some countries (there have been considerable failures of

Capitalism as well). I find it interesting that we generally only have emphasis on the successes of Capitalism and the failure of Communism while the flip sides are overlooked. I would not consider Communism, thus far, a failure at all. Communism in Cuba and socialism in Venezuela have both been highly successful (and highly troubling the capitalist elements of the US).

IW: What do you hope to achieve in Waterloo?

PM: The YCL branch in K-W is still in its early stages. For the time being, we are working on uniting the more leftist-progressive clubs in the area, forming a reading group, and promoting socialism in Venezuela.

IW: What size is the club? How many members do you have?

PM: We're still small, but we're growing.

IW: What are you doing at meetings these days?

PM: We're working at drafting a constitution for our local YCL chapter. Also, we're trying to get information out on current events in Venezuela. At our last meeting (the one advertised) we talked mainly about issues facing the world and we also

discussed some of Marx's ideas.

IW: One final question, and don't answer this if you don't want: are there any available women in the club?

PM: Not really, or at least, not yet.

That's the substance of the interview. The impression that I got from their president is that the YCLers are dedicated, intelligent, and educated. They are also serious; those who think joining would be a good way to impress chicks or get more attention from mom need not apply. For more information, contact waterloo.ycl@gmail.com.



the TIN SOLDIER

THE UNOFFICIAL MOUTHPIECE OF THE UNIVERSITY OF WATERLOO ENGINEERING SOCIETY

Wednesday, March 30, 2005

Why you shouldn't make a ruckus on St. Patrick's Day



GABRIEL CHAN
2A SYSTEMS

On March 17th, unknown to most of the world, the Republic of Ireland declared a state of martial law in response to a massive riot in Belfast. It seems that a rowdy bunch of Englishmen trashed a huge St. Patrick's Day party. Consequently, the unrest spread throughout the province of Northern Ireland and into the neighbouring republic, stirring discontent against the British. The next day, several explosions rocked the Belfast district, injuring scores of people. Prime Minister Tony Blair was quick to blame random IRA terrorists, but all IRA groups quickly denied involvement. Eventually, everyone blamed some Islamic terror cell, since this was the trend nowadays.

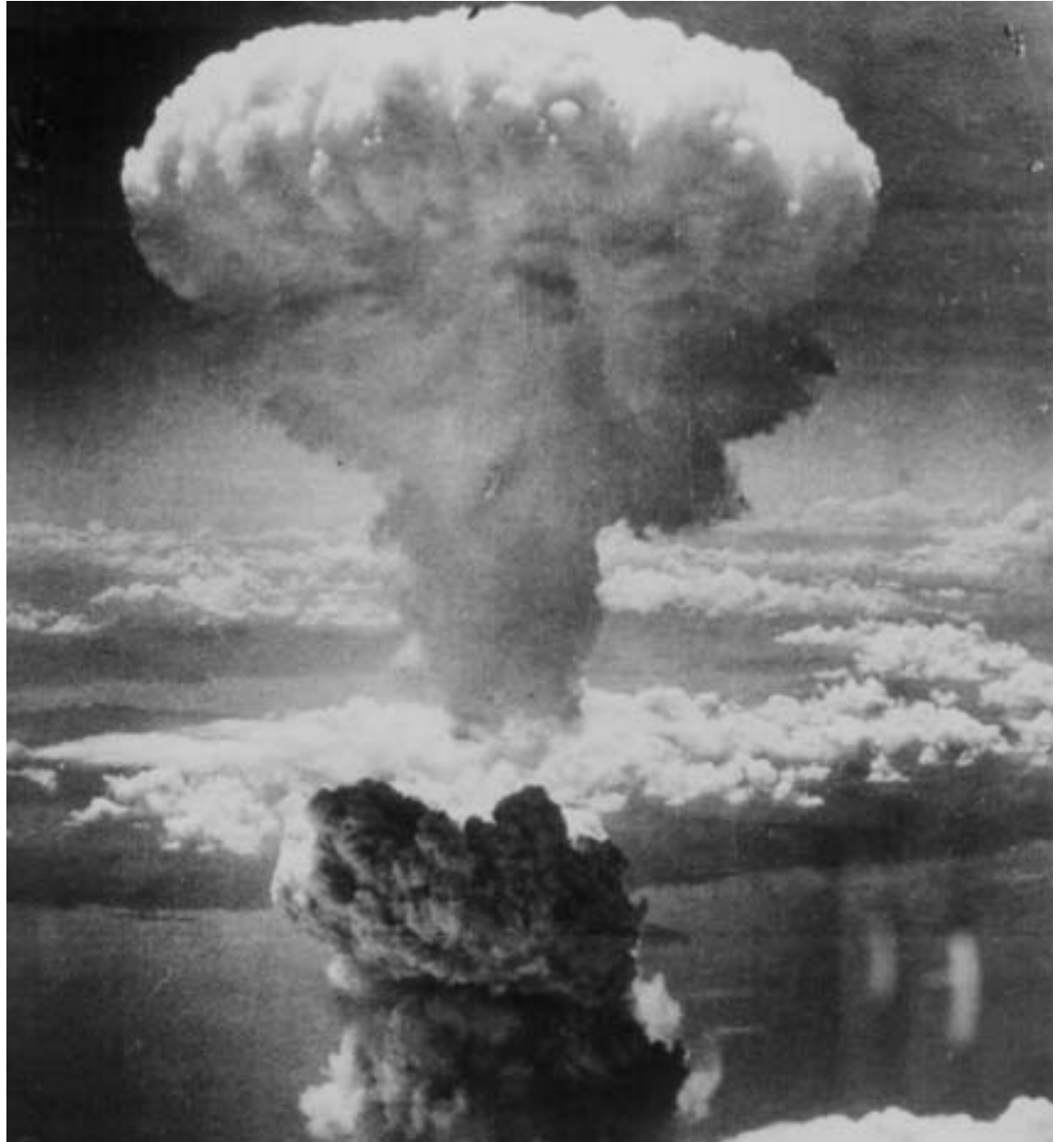
By the next day, MI-6 coughed up some evidence pointing to a previously unknown group called al-Gorithm. British intelligence had dispatched their double-0s all around the British Isles and found the clues of a carefully-

engineered plan in a pub near the University of Essex. In an unrelated incident, a graduate student from the U of Essex was discharged from the school for failing to submit his thesis on some random CS theory after the St. Paddy's Day deadline.

Anyway, the CIA got wind of the suspected Arab involvement in Ireland. US President George Bush Jr. was quick to condemn Iran for the attacks. The Islamic Republic was also quick to respond with the finger. And the US Navy responded by firing a few Tomahawks at the Busehr nuclear plant. Coincidentally, an Iraqi air strike was launched at the Esfahan nuclear research centre, while Iraqi border guards moved in to occupy the strategic Khuzestan delta, where they were confronted by a massive Persian defence forces. Soon, British and American troops joined the offensive, closing in on Tehran. This also saw a decrease in insurgent attacks in Iraq (finally), as most of their targets have moved elsewhere.

The world was in an uproar over the latest advances of the "Coalition of the Killing". Both the UN Secretary General and the Pope strongly condemned the attacks; US President Bush, cit-

Continued on page T3
See WWIII



Warriors! Gehen Sie aus Deutschland!

JENDRIK SCHMIDT
GERMAN EXCHANGE STUDENT

Hey, Du! Ja, Dich meine ich! Ich verbringe im Austausch gerade ein Wahnsinnsjahr bei euch an der Uni Waterloo. Euer Land ist einfach großartig!

Aber, bei aller Freundschaft, es gibt etwas, das muss einmal gesagt werden: warum sehe ich so wenige von euch bei uns in Deutschland? Es gibt hier erstklassige Austauschprogramme, unter anderem das mit meiner Stadt Hamburg. Die Crème de la

Crème der Universitätslandschaft in Deutschland wartet – auf Dich! Und worauf wartest Du? Vielleicht auf ein Jahr Urlaubsgefühl? Ein Jahr leben in einer seit 3000 Jahren gewachsenen Kultur? Ein Jahr Land und Leute kennen lernen, aus der Masse der Studenten herausstechen und ganz nebenbei Deinen CV auf Hochglanz bringen? Ein Jahr lang keinen Pfennig fürs Studium zahlen, weder hier noch in Deutschland? Stattdessen lieber einem gemieteten Porsche 911 auf der

Autobahn die Sporen geben! Wäre das nicht interessant?

Ich meine es ernst! Warum solltest Du Dir das entgehen lassen? Und mal ganz unter uns: wenn Du dies schon lesen kannst, bist Du entweder selbst Austauschstudent oder eben prädestiniert für einen Besuch beim echten Oktoberfest!

Bis bald, hoffe ich, in Deutschland!

Editor's note: Ich habe absolut keine Idee, was er schrieb. Ich sollte Deutsches erlernen.

The Tin Soldier Goes Online!

CINDY BAO
TIN SOLDIER NEWS BUREAU

Starting March 30th, the web-based edition of *The Tin Soldier* will be available to readers on a paid subscription basis.

The subscription will be \$14.95 a year for non-UW readers, and the members of the University will enjoy a special discounted price of \$6.95. The website for *The Tin Soldier* will be <http://tsoldier.uwaterloo.ca>.

The Tin Soldier Advisory Board, which is missing an on-stream student-at-large (and the off-stream counterpart is uncertain if he has been replaced), cited the decline in advertising revenue as the reason to implement paid web subscription. The Board pointed out the paper is following suit of a number of large national newspaper, such as *The Globe and Mail* and *The National Post*.

The *Tin Soldier* Editor-in-

Chief Jimmy Skofz has offered his vision for the paper. With additional revenue, he'd like to publish the paper on a more regular basis in the future, as opposed to once every four months, a goal which is still often not realized. At the same time, a new office is deemed essential for its staff members, who currently shares the office, dingy couch, empty fridge, and computing facilities of *The Iron Warrior Magazine*.

Life with the EIC: A Skofz story

ROBERT STARUCH &
SUNIT MOHNINDROO
THE EIC'S ROOMMATES

Does your roommate bike to Sobey's in the middle of the night to get a soup and a sandwich for you when you are miserably sick? Does your roommate put on a one-night feast of fine dining every term for guests of your house with menus that include roasted garlic chicken, peppered salmon and gingerbread cake? Does your roommate shovel your driveway, put up the Christmas lights, teach you a semester's worth of calculus and fix your household appliances, the day before his hardest final exam? Didn't think so!

Full Name: James Lee Skofield
Occupation: Editor-In-Chief IW, 3rd-Year Comp Eng student, and pseudo-parent to two barely-competent engineers
Notable Qualities: Fixer of all things broken, charmer of women, and baker of delicious goodies

There's a lot about your friendly neighbourhood IW editor and C&D volunteer that you don't know about. The "Skofz", as we affectionately call him, knows

who, when, where, how...but not always what. He single-handedly helped (dragged) us through 2nd year ECE, makes travel plans down to the last second and keeps us eating salmon steaks and pasta instead of chicken strips and EZ Mac, yet still manages to knock over his laptop every time he sits at his desk. The Skofield Bear is a special kind of roommate. He's smart yet humble, incredibly busy yet always patient, constantly volunteering, but always seems to have nothing but free time. His intelligence, charm, kindness and shy nature has girls swooning over him, yet he's too occupied with his volunteer work, extracurriculars and hockey games to notice.

It's because of his unique personality that he inspires such nicknames as: Skof-a-saurus, Peanut Butter & Skofz, African Jimmy Skofari, or Jimmy Skofoltra & Olivia Newton-Skofz, just to name a few of the over 300 that have been recorded over the past three years. He's also got a pretty good sense of humour. We tend to push his buttons a lot, (to pay homage to our hero, of course) and he usually takes it in stride.

Some Engineers have roommates, we have a Skofz.

John's Basement: Suggestions for debt-laden students



JOHN "MILKY"
OLAVESON
3A CIVIL

The student debt load survey was recently published. This led me to think of ways for my fellow students to earn a little extra cash on the side. Of course, there are all sorts of crime which pay quite well – whoever said that crime doesn't pay never crunched the numbers, my friends. Selling beer to high school students is highly profitable, and the high school demographic seems to have more disposable income than I even remember having. Used computer monitors can bring in some cash, but of course the ones around this school are mostly in such poor repair that there's not much money in that game. That is why I suggest an activity that, while technically illegal, is all but encouraged in our fair country.

What reasonable Canadian Citizen, with a simple cost-benefit analysis, would choose not to grow a little cannabis sativa? That will be the subject of my next work term report, my own entrepreneurial adventure, sanctioned (if I word my proposal correctly) by the Co-op department. My very own grow op, for medicinal purposes only, of course.

At least that's what the government will think. There's lots of information on setting up such a shop available on the internet, but who's got that kind of time on their hands? That's why the Tin Soldier has brought you this time-saving quick guide to setting up your very own grow operation. (note: The Iron Warrior does not condone this, or any other illegal activity. Officially, anyways.)

The first step is to acquire a supply of marijuana for planting. Based on my extensive survey of 4 people, I have determined that everyone in British Columbia smokes a lot of pot; try asking a native to bring back some seedlings from their next trip home. Offer them a small piece of your harvest in exchange. I'm sure the British Columbians of Waterloo miss the homegrown flavour and would gladly help establish a supply here. I could have confirmed this if I had asked when I surveyed about that first thing, but I forgot and I have a deadline, so let's just assume this is true.

The second step is to establish a nursery somewhere on your (preferably rented) premises. Outdoor operations in Waterloo do not work since Winter

seems to end sometime around May and start again around the middle of September. Keep your plants inside and safe where you can both control their environment and keep the away from thieving neighbours. Separate off a room from the rest of the house for the plants. They need warmth and humidity, and lots of light to thrive. Rents near the university are high enough that your landlord

should be able to afford some new drywall after you rot it all out. Also, ideally you should be renting a place that includes electricity in your rent, otherwise that part can get expensive. Check out the local greenhouse or garden centre for soils rich in nitrogen to make your plants grow full and lush. Just ask any friendly associate for

soil and planting advice. Associates become very helpful when you promise them samples of your crop.

It's all right to start off small, with maybe one or two pots for your pot. The plants will grow and you can harvest the seeds and start a larger crop in the future.

My entrepreneurial experience, which admittedly is pretty much non-existent, has taught me a couple of key facts which I feel must be passed on.

The initial investment of time and money in a new grow op is rather large. Buying the seeds and soil and potting beds, and spending hours and hours tending the plants seems rather hefty for the reward. Don't be fooled! The growth of pot plants happens exponentially, if you do it right. In under a year, you too can have a basement full of sprouting pot plants, starting with just a few plants.

Those are the basics of starting up a grow op at home. There's just one other problem; what to do with all of the pot you're harvesting? I can't recommend smoking all of your own – this will cause all sorts of problems with short term memory and generally fuck with your schoolwork. We all pay too much to allow this to happen. Instead, this is where you can make your financial investments pay off.

High school students like to smoke pot almost as much as they like to drink beer, plus they don't haggle about the empties. It makes them feel cool much faster, it's easier to hide in pockets and back packs, and they don't vomit as much from overdosing. Plus, if you're selling to the really rowdy kids, their teachers might actually appreciate your help with mellowing them out.

That's it! It's just that easy. Remember, it's only illegal if you get caught! And of course, to any police-types who might be reading this: it's just a joke. Really.

"Ideally you should be renting a place that includes electricity in your rent, otherwise that part can get expensive"

ECE students now required to transfer soul to department

Other departments eyeing similar procedure for incoming students

TIN SOLDIER NEWS BUREAU

Beginning in fall 2005, all Electrical and Computer Engineering students will be required to transfer their soul to the ECE department at the commencement of their 2A academic term.

Feedback from graduating students has indicated that rather than having the department gradually crush their spirits over the duration of the five year program, it would be more convenient to simply take the entire soul at once.

The timing of the soul transfer is

designed to coincide approximately with the due date of the first work term report for most students. The department has promised to accommodate students who have already lost their soul.

Other departments within the Faculty of Engineering have expressed interest in

adopting a similar process. Dean Sedra has promised to incorporate a standardized faculty-wide transfer of soul procedure as part of the Vision 2010 planning process.

Form designed by embittered WEEF TA and 3A Computer student Jason Pang.



Authorization of Soul Transfer Form

Electrical and Computer Engineering Department
University of Waterloo
Waterloo, Ontario, Canada N2L 3G1
Call: 519-888-4567, ext. 2097
Fax: 519-746-3077
Web: ece.uwaterloo.ca

Instructions

1. Complete the required information.
2. Properly package your soul.
3. Submit your soul along with this form to the ECE Department Office

UW Student ID Number	Surname	Given Name(s)
Program	Email	
Student's Signature		Date

Soul Condition Information

All boxes must include either a "✓" for yes or an "X" for no.

<input type="checkbox"/> Alive	<input type="checkbox"/> Embittered	If your soul has been previously transferred to another entity, please state name and address here
<input type="checkbox"/> Innocent	<input type="checkbox"/> Soured	
<input type="checkbox"/> Untouched	<input type="checkbox"/> Crushed	If you checked the "No Soul" box, please state the reasons why you abandoned your soul, or why it abandoned you
<input type="checkbox"/> Confident	<input type="checkbox"/> Resentful	
<input type="checkbox"/> Possessed	<input type="checkbox"/> No Soul / Disowned (~)	If you wish to keep your soul, state clearly the reason(s) in this box. Please write legibly, or it cannot be considered(**)

Terms and Conditions

1. To continue to be enrolled in any ECE program of study past first year, students must authorize the transfer of their soul to the ECE Department.
 2. Souls must be delivered, in person, to the ECE Department office on the first Saturday of the month prior to the start of their 2A term, between the hours of 10:00 and 10:10 UTC.
 3. Your soul must be delivered in a sealed, airtight, clear, cubic glass container measuring exactly 5 cm per side. This form must be firmly attached to the bottom of the cube.
 4. Late souls will be accepted only on the sixth calendar day after the commencement of your 2A term. A \$1000 fine applies. No souls will be accepted after that date.
 5. If a student withdraws from an ECE program of study, he may request the return of his soul with the "Request for Soul Return" form. This form may be obtained in room EIT 7666.
 6. By authorizing this transfer of your soul, you hereby surrender all rights and emotional / physical attachment to your soul to the ECE Department, unless the "Request for Soul Return" request is filed and approved by the ECE Department.
 7. In all other cases, the ECE Department will retain the exclusive rights to your soul. This includes the right to transfer your soul to another entity if we have not received the forms to have your soul returned to you by the end of the sixth week of your 2A term.
 8. By signing and submitting this form, you waive the ECE Department of any responsibility for your soul being lost, stolen, altered, or destroyed while in our possession.
 9. Applications with improperly completed forms, inaccurate information, or improperly packaged souls will be destroyed. It is up to the student to ensure that the transfer is approved.
- ~ If you do not have a soul, you must still submit this form to continue your studies.
** Permission to keep your soul is only granted in extenuating circumstances.

COUNTERPOINT VS. COUNTERPOINT

Round doughnuts vs. long doughnuts



DAN ARNOTT
2A ENVIRONMENTAL

Okay, so you're walking through the CPH foyer between classes, and you're getting a little bit hungry. Time to grab a delicious doughnut at the C&D! But when you get in there, you are presented with a question, a decision, a quandary as old as time. What kind of doughnut should you choose? A Round Doughnut, or a Long Doughnut? Which one is better, tastier, and will give you a better taste experience? A Round Doughnut, of course.

Through the ages, the Round Doughnut has been the standard in doughnutiform pastries. Enjoyed by police officers, firemen, office workers, and the general population, it has become the gold standard of what a doughnut should be. What does the Lard Lad hold proudly aloft in Simpsons cartoons? A Round Doughnut, of course! What changed Tim Horton from a hockey legend to our nation's most pervasive restaurant chain? The Round Doughnut! When most people think of a doughnut, the Round Doughnut is the first thing that comes to their mind. And because it has been around for so many years, the Theory of Evolution states that it is the fittest doughnut, and that it has out-competed other doughnut species for mastery and dominance on the surface of the earth.

The Round Doughnut clearly has many other advantages over the Long Doughnut. For one, it is available in a wide variety of flavours- sugared (regular or powdered), plain, frosted, old-fashioned or new, maple glazed, chocolate,

even with sprinkles on top... this is more diversity than one can expect from a Long Doughnut. They are also more plentifully available at the C&D, and many non-UW doughnut chains stock Round Doughnuts exclusively.

Let us now consider the shape of the Round Doughnut, and how that makes it better than the Long Doughnut. The Round Doughnut is shaped like a circle, a shape with special significance for many cultures and religions. The circle has no beginning and no end- it goes on forever and ever. The metaphors are practically endless. Also, if you put two Round Doughnuts side to side, they look like the



Infinity symbol. Therefore, Round Doughnuts are made with all the deliciousness of eternity and infinity. Those familiar with topology know that a Long Doughnut is a Genus 0 solid, while a Round Doughnut is a Genus 1 solid. One is bigger than zero,

so the Round Doughnut is better. And let us not forget the hole! The doughnut hole, which only appears on Round Doughnuts, is a critical part of the doughnut's identity. The hole represents the "mystical middle"- that is to say, the mysterious, the unattainable, the unknowable, the divine mystery which keeps us all striving for more. It is this mystical hole at the centre of the Round Doughnut which imparts upon it its special deliciousness. Do Long Doughnuts have such holes? I think not.

As far as the shape of the Long Doughnut goes, it is... well, long and phallic. Now think about it. Do you really want to be sticking something long in your mouth, especially since some of the Long Doughnuts happen to be cream-filled? The Long Doughnut has some deep-seated Freudian issues going on that I don't even want to talk about.

In conclusion, Round Doughnuts are far superior to Long Doughnuts.



DAN ARNOTT
2A ENVIRONMENTAL

Okay, so you're walking through the CPH foyer between classes, and you're getting a little bit hungry. Time to grab a delicious doughnut at the C&D! But when you get in there, you are presented with a question, a decision, a quandary as old as time. What kind of doughnut should you choose? A Round Doughnut, or a Long Doughnut? Which one is better, tastier, and will give you a better taste experience? A Long Doughnut, of course.



Now when you first see a Long Doughnut, you may be shocked by its radical, streamlined, new-wave appearance. Don't worry,

this is nothing to fear. Long Doughnuts are simply the latest innovation in the field of doughnut design, and it's shaking up the doughnut world. This definitely ain't your daddy's doughnut. It's definitely not a pastry for those who are stuck in the past or afraid of embracing positive change. No, the Long Doughnut is yet another example of the forward-thinking, progressive and liberal society which we as Canadians are trying to foster. It takes an open mind to eat a Long Doughnut, and we as university students pride ourselves with open minds.

The Long Doughnut has addressed many of the design issues present in the Round Doughnut. First, and often most importantly, the Long Doughnut will not roll away when you drop it. The designers of Round Doughnuts made the mistake of designing them to look like little wheels, which are, of course, prone to rolling places. Countless doughnut-hours of pro-

ductivity have been wasted on the needless searching for and replacing of Round Doughnuts which have rolled away. No doubt whoever came up with that faulty design wound up in the PEO's 'blue pages'!

Long Doughnuts are also a much more efficient use of space than Round Doughnuts. Due to their linear shape, more of them can fit on the same tray, thus saving shipping and materials costs. Also, the most innovative aspect of the Long Doughnut is that it has finally gotten rid of the hole that has plagued doughnut designers for centuries! Seriously, look at the Round Doughnut. It has this great big

hole in the middle of it, a hole which serves no purpose whatsoever. If you paid for a tarp, or a tire, or a house, and found that it had a great big hole in it, you'd send it right back where it came from! It's a fact- Round Doughnuts are notorious space-wasters. As engineers, we are

trained in methods of optimization, how to do the most work with the least amount of material. And yet, every day, we walk into the C&D and buy something that has a great big hole in it? That's downright un-engineering. Think about it.

Despite the slander of Round Doughnut propagandists, several varieties of Long Doughnuts are available, including sugar, powdered-sugar, cream-filled, and chocolate-covered. And the reason that there are few of them in the C&D is that they have already been eaten by hungry and forward-thinking students who support the free-thinking Long Doughnut Revolution. And it's important to remember, that although Long Doughnuts may seem phallic, Round Doughnuts do have this great big HOLE in them, which could be interpreted in a similar manner.

In conclusion, Long Doughnuts are far superior to Round Doughnuts.

Editor's Note: Counterpoint vs. Counterpoint is intended as a forum for ridiculous and assinine arguments about subjects which have absolutely no bearing whatsoever on anything related to engineering.

WWIII: St. Patrick's Day leads to mayhem

Continued from page T1

ing that they "don't have no army", prompt told them to "shut the f--- up". Vladimir Putin, deciding that sitting around doing nothing was not really the Russian way of dealing with problems, sent troops across the northern Iranian frontier to "help maintain security in the country" as Russia was "invited" by the Iranian government. Great Britain and the United States both declared martial law as they entered a phase of war.

Meanwhile, China was convincing most of the countries in East and Southeast Asia to impose economic sanctions on the US. Australia, Taiwan, and Japan furiously opposed. Japan quickly inflamed the dominant hatred that has been collecting since WWII, especially from North Korea. The European Union was divided on what actions it should take while Canada was debating if any action should be taken.

The fall of the Islamic Republic was now imminent. The Ayatollah warned that fire will rain from the sky, but Bush and Blair dismissed it as propaganda. On

March 24th, the Coalition had completely encircled the province of Tehran. Iran resorted to its last option: nuclear launch. The missiles were headed for Israeli industrial centres (since the US and UK were out of range) but unfortunately some of them landed in neighbouring Egypt. They thought Libya had attacked them, thus initiated a "retaliatory" invasion on the Libyan border. Libya responded with nuking the invading Egyptian forces. Taking advantage of this mess, North Korea decided to launch its own nuclear missiles, attacking major Japanese cities, coinciding with a mass invasion of South Korea. Japan landed their Special Defence Forces in South Korea and moved to reinforce Taiwan. Meanwhile, a huge bomb exploded in Surrey, but Osama bin-Laden later released a videotape apologizing to the Canadian government for mistaking Vancouver for Seattle.

The final shocking revelation of the nuclear capabilities of the "Axis of Evil", as the world scrambled for solutions. Nothing could stop the subsequent events, as India and Pakistan lobbed their nuclear

arsenals at each other, China finally invaded Taiwan, Indonesia retook East Timor, Syria marched into Lebanon, Cuba invaded a bunch of Caribbean countries, and Russia occupied a several former Soviet republics and United States tried to annex Canada as a "protectorate". Meanwhile, the European Union finally organized a unified army; its first mission was to invade Britain and overthrow Tony Blair's regime.

Regional powers managed to restrain North Korea, Japan, Israel, and Libya from further military action. Canada and Mexico, with the help of EU troops, invaded the United States and Alaska. Osama bin-Laden had reportedly committed suicide, seeing that the sole purpose of his existence had ceased to exist. Thus ends the brief nuclear skirmishes that future historians may even dare to call WWIII.

Back in Ireland, the uprisings have finally calmed down and everyone has gone home and lived happily ever after. And this is why you shouldn't cause a ruckus on St. Patrick's Day.

Crane collapses at construction site

TIN SOLDIER NEWS BUREAU

On Friday March 25, there was a serious incident at a construction site in the Bakairo Prefecture.

A crane collapsed during the final construction phase of a new building. The investigation cited faulty origami was to blame.

There was one reported casualty; the cause of death was a stroke.

The 22 potentially funniest things about the eventual death of Ken Jennings

MICHAEL SUE-KAM-LING
1N CHEMICAL

At the beginning of March, a small New York City newspaper, called the New York Press, ran an article by Matt Taibbi entitled "52 Funniest Things About the Upcoming Death of the Pope." Needless to say, this article was not well received by most. I really have no opinion on the article myself, as I found some of it was extremely distasteful, while some was well written satire.

In response to this article and in light of Jeopardy!'s Ultimate Tournament of Champions, I have written a similar article about another strongly religious and recently influential man. That man is none other than Ken Jennings.

The original article can be seen here: <http://www.nypress.com/18/9/news&columns/taibbi.cfm>

22. Ken is named a martyr of the Church of Jesus Christ of Latter Day Saints.

21. Turns out Mad-TV was right and Jennings really was a robot, go figure.

20. Jeopardy! ratings soar once more as they air a special edition Ken Jennings funeral episode.

19. Software engineers worldwide weep in loss of their greatest hero.

18. Jeopardy! archivists do some research and discover that Jennings gave an incorrect response in his first episode and technically lost.

17. Ken Jennings goes to Heaven, challenges God to a Jeopardy! match, wins and is promptly sent to Hell.

16. Answer: No one. Question: Who cares about the death of Ken Jennings?

15. Accidentally inhales his "lucky" plush Totoro and chokes to death on it.

14. Upon death, Ken's face is frozen in the annoying smirk he usually made when his winnings were announced every episode.

13. Ken's magnificent brain devoured by hundreds of maggots.

12. Jennings given death sentence after murdering a Waterloo engineering student in rage over an article about his death.

11. Shortly after his death, it is discovered that Ken Jennings was a notorious drug lord of the Salt Lake City underworld.

10. Alex Trebek outraged at the discovery that he was excluded from Ken's will.

9. Ken breaks buzzer finger in freak accident, decides life is no longer worth living.

8. At celebrity golf tournament, Ken is struck by Bob Barker's golf ball, suffers severe brain damage, and is forced to live rest of his life as a drooling moron.

7. Years after his death, the remains of Nancy Zerg are discovered in Jennings' cellar.

6. Bill Gates, feeling threatened at losing his title as the world's biggest nerd, challenges Ken to a match of Full Contact Calculus. Jennings is slain in the match and Microsoft's stock raises 8 points.

5. After giving him free tax services for life, H&R Block sabotages his tax return. Ken is forced to flee the country and dies in poverty.

4. It turns out Jennings had invested

Tin Soldier's Kitchen



So who am I kidding when I told you to eat healthy while cramming for exams? Chances are, you are going to eat greasy fast food takeout, instant noodles, or Kraft Dinner, and drink coffee like there is no tomorrow. Therefore, I provide you with recipes you may deem essential to combat the evil that is called the final exams, exclusively from the Tin Soldier's test kitchen.

No doubt you have been told the importance of drinking enough fluid. Whether you need ethanol to calm the pre-exam jitters or to forget everything that just happened in the last three hours, the following drinks serve the purposes nicely. Plus, after you are dehydrated, which causes hangover, you can always just drink more.

While the required ingredients are given below, the exact amount of each depends on your personal preference, namely how generous you are with booze and how drunk you want to get.

Rum and Coke

As the name implies, you need rum and you need coke. Some ice would be nice, but if you are planning to finish it quickly, ice only gets in the way. Now, if you real-

ly want to get fancy, to impress a lady or something (not easy to find in Engineering as we all know), garnish it with a wedge of lemon. But to really make a lady happy, make sure you have a clean glass.

Gin and Tonic

Same as above, except replacing rum, coke and lemon with gin, tonic water and lime.

Peanut Butter Sandwich

Thanks to Dan Arnott, who pointed out that he and probably many students are too lazy to try out the recipes from Cindy's Kitchen, I decided it's time to get in touch with the reality, i.e. food tasty and convenient enough that you will actually make. What's is better than the childhood staple of peanut butter sandwich?

This is an extremely versatile recipe, as you can add jam, banana, jelly, even Cheez-Whiz. One of the more memorable ones I had was a peanut butter, jam and bacon sandwich, done by no others than our beloved VPF David Johnson, who I assumed was pretty drunk at the time.

So (drum roll please) this is how you make this culinary wonder: Bread and peanut butter. Spread the latter on the former, of which hopefully have you two pieces, to make an actually sandwich.

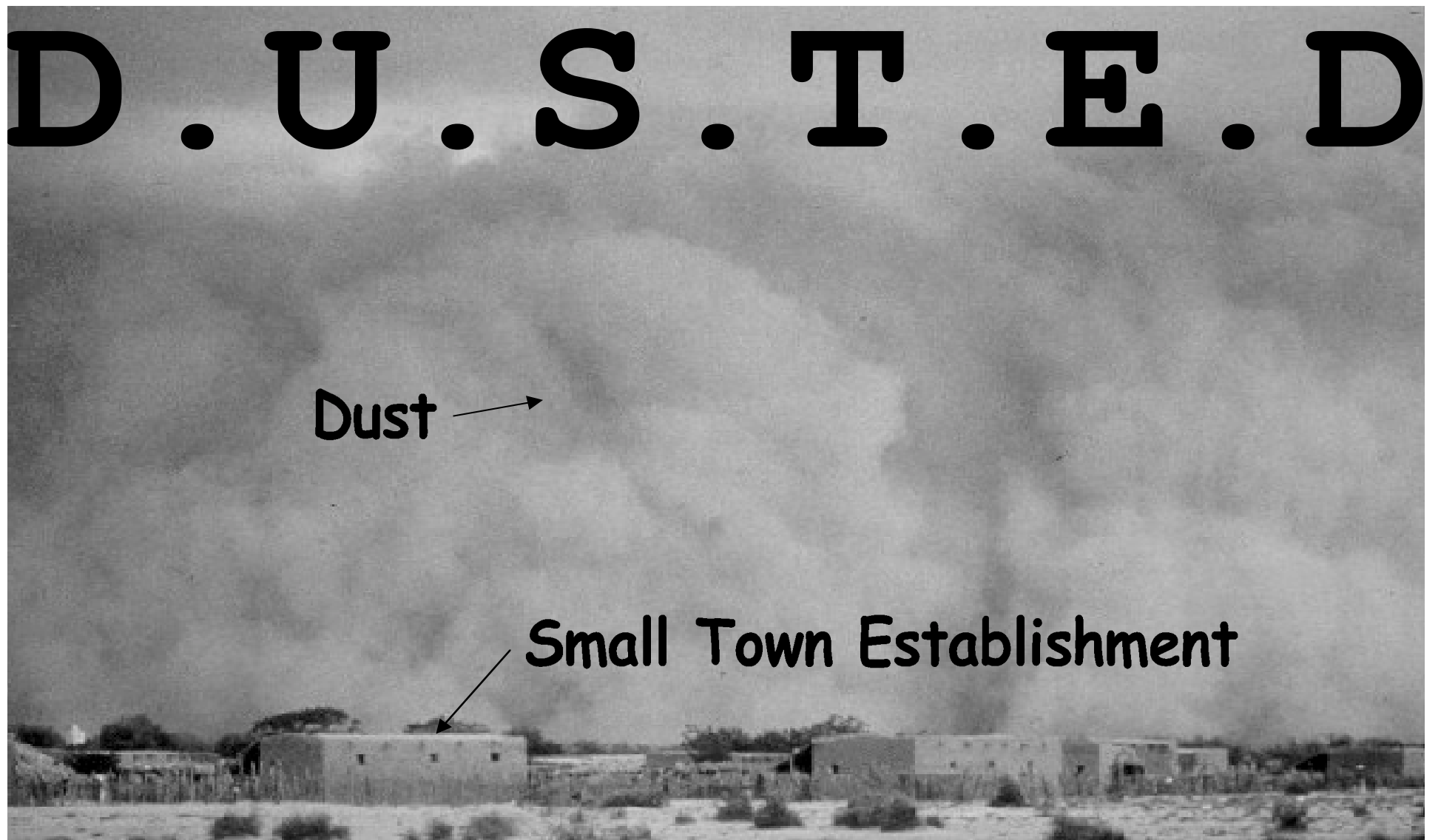
Any bread will do, but the recommended is the white Wonder Bread, and be sure to cut off the crust. Peanut butter can be crunchy or smooth, it all depends on your liking. Finally, a word of caution: this product may contain traces of peanut and other nuts.

most of his winnings in a small Canadian airline company called Jetsgo. Bad move, Ken.

3. Shortly before Ken's death, Jose Canseco writes book about how Jennings used steroids in his record setting run.

2. Ken dies of suspicious causes; potential assassination blamed on Pat Sajak and Vanna White.

1. Even after winning 2.5 million on Jeopardy!, Jennings' funeral expenses cheque bounces.



FRIDAY, APRIL 1. 8pm. DWE cul de sac. \$5
Email mister_peck@yahoo.ca for details

ENGINEERING SOCIETY EXECUTIVE REPORTS

One last hurrah at EOT



KARIM LALLANI
PRESIDENT

Wow, I can't believe the term is already over. First off, I'd like to thank all of the directors for their hard work and wonderful contributions to the engineering society. All of you are the heart and soul of the engineering society. It looks like we have another fabulous group of directors for the fall term, so I'm looking forward to working with all of you. I'd also like to send out a big thank

you to Mary Bland. It is unbelievable how much work one person can do. She has taken a lot of initiative this term, and has put in a lot of extra hours to make the term fly by smoothly. So, thank you for all of your superb contributions this term.

The last event of the term is on Thursday March 31st at 9:00 p.m. in POETS. It's the End-of-the-Term (EOT) party! The P**5 winners will be announced, and the EOT video will be shown. It's definitely an event that you don't want to miss. I hope to see you all there.

I wish you the best of luck with your final exams, and I hope you all have an amazing co-op term. I'll see you in the fall term! Have a great summer!

Many thanks to directors



CHRISTINA WATERS
VP EXTERNAL

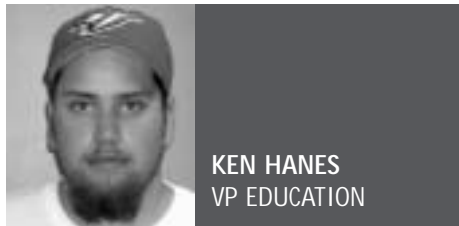
The end of term allows us to look back and reflect on how much fun we had during the semester. It also allows me to give a huge thank you to all of my directors for doing such a wonderful job.

So, here is the thank you list...to Phil, Jen and Jill for making Bus Push stupendous; to Jen, Truck, and Pratik a huge thank you for making Shadow Day such a huge success; to Evan, Erica, Erin and Katelyn, thank you so much for reaching out to the community and allowing the Engineers to care for those less fortunate; Janet, Karen and Wendy did an amazing

job with all of the exchange events and parties, great effort and wonderful job; Sarah, Kevin, Sheel and Imraan rocked the house with Explorations and got to show the Elementary kiddies what Waterloo is made of; Taneem, Francis, Erfan and Shawn kept everything rolling with the different student teams, the Dean's office and our wonderful friends at FEDS; and lastly, Will, Jeff, Matt and Zack for helping out whenever needed and for aiding the blackout/whiteout event organized by the CREW. Thank you to all, you made this term amazing and I couldn't be any happier to have you help me out during the term and be part of the team. Thank you so much!

I look forward to seeing all of you in the Fall Semester, in which we will have another rocking term. Have a wicked summer, and if any of you are in Alberta, email me so we can get our Stampede on!

Waiting for online critiques



KEN HANES
VP EDUCATION

Holy crap!! The sky is falling...I mean, the term is over. This is officially going to be the shortest exec article ever in the history of time. All in all, this term has been a success but next term is going to be awesome! Now that we've gotten rid of those pesky fourth-years, me and the rest of the 06ers can take over.

All in all, this term has been a learning experience for myself, and I'm sure that the same can be said for many directors. I want to take this chance to thank all of my directors who have put time in this term to better the engineering society. I look forward to working with all of you again, and at the same time I look forward to working with some new students. Ok, enough of the mushy stuff.

Course critiques, fingers crossed, will be online in the near future. Of course, I said the exact thing last issue and we're no nearer to having online access for the critiques. If engineering computing doesn't get their act together by the end of the term we'll have to survive one more term by going into the office to see the results. PD-Eng courses are starting up for you first year B-soc students. I encourage everyone to enter into these courses with open eyes and don't judge them right away. Allow time for the courses to develop and hopefully everyone will see the benefit of them shortly.

And all right, that's it for this week. One term as an exec done and it's been fun, but I really truly honestly think next term is going to be a million and one times better. Enjoy your co-op term, enjoy your summer and I'll see everyone in September!

Editor's Note: Actually, Ken, Dave Johnson's article from last issue was the shortest exec article in the history of time.

B**5 thwarted by insurance issues



ANDREA RAYNER
VP INTERNAL

Greeting and salutations once again, folks. It saddens me to think that this is the last time I'll be talking to you all for another 4 months, but then again, it will be summer, so I'm sure we'll all be OK.

Unfortunately, due to some insurance issues, B**5 could not happen this term. I offer you my deepest apologies, especially to those that felt the letdown the hardest. Truck, I'm sorry, buddy! If you feel the need to place some blame, please, don't blame me, shake a fist at stubborn managers and event forms. I will try my very hardest to bring this event back in the Fall. We may need to change locations.

This term went very well, I like to thank all of my wonderful directors for a job very well done. Just a reminder, there will be a director's meeting in POETS this evening before the potluck meeting starts. Please try and attend, as we'd love some feedback from you. Thanks to the Genius Bowl directors for putting on an awesome show and congrats to the Tron kids for coming in 1st.

Directorship applications were due on Monday. Hopefully you got yours in on time; if not, we'll hopefully have the list out soon of the directors we've chosen, and there are usually some vacancies.

Those empty spots will be available to everyone on a first-come first-serve basis, so keep your eyes peeled!

Again, I'd like to thank everyone for a wonderful term and I look forward to seeing you all again in September. If over the work term you have any questions or suggestions, feel free to drop me a line, bsoc_vpint@engmail.

In closing, I'd like to leave you with this little bit of information: It costs .81 cents to mint a penny, sounds like a profitable business to me!

Submit expense forms!



DAVID JOHNSON
VP FINANCE

As usual I am extremely late in submitting my exec report. The problem is that I really don't have that much to say. Exciting things coming up include new bar stools in POETS... owoowow yaa! And the finances are good.

I do have this one concern! I am afraid there are a lot of directors who have not submitted their expense forms. Now the problem with this is that eventually you all will and it will probably all be at the same time. This means a lot of work for me all at one time. The second problem is that I will probably be even slower than normal at getting the flood of checks out. So if you want your money before the flood waters come, please get your expense forms in.

Last day to submit expense forms is this Thursday March 28th... so do it now!

ENGINEERING SOCIETY

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

Upcoming Events from EngSoc

Sunday Mar 27	Monday Mar 28	Tuesday Mar 29	Wednesday Mar 30	Thursday Mar 31	Friday Apr 1	Saturday Apr 2	Check out up-to-the-day event postings on the EngSoc website at www.engsoc.uwaterloo.ca
			EngSoc PotLuck 5:30 pm, POETS	Last day of lectures for Eng'g courses EOT, 9:00 pm POETS	DUSTED, 8:00 pm DWE Cul-de-sac IW Editorial Board applications due	Realize how little work you've done all term; start learning your courses	
Apr 3	Apr 4	Apr 5	Apr 6	Apr 7	Apr 8	Apr 9	
	Laugh at the arts students who still have class today			Last day to drop a class	Exams begin		

Debt load survey results

- 1 Total responses: 472
Number of surveys sent: 2560
Response rate: 18%
- 2 Does your family support you financially? (467 responses)
Yes: 57% No: 43%
- 3/4 Average cost of living for a 4-month...
school term: \$7,987 (462 responses)
work term: \$3,405 (409 responses)
- 5 Have you applied for local aid or other bursaries to pay for school? (467 responses)
Yes: 42% No: 41% Not yet: 17%
- 6 Have you applied for OSAP? (470 responses)
Yes & received: 30%
Yes & denied: 22%
No: 47%
- 7 Do you have a loan for academic purposes? (469 responses)
Yes: 37% No: 49% Not yet: 13%
- 7a How much is the student loan? (238 responses)
- | | |
|---------------|-----|
| \$1-499 | 8% |
| \$500-999 | 3% |
| \$1,000-1,999 | 7% |
| \$2,000-4,999 | 24% |
| \$5,000-9,999 | 34% |
| >=\$10,000 | 24% |
- 8 Have the differential tuition increases caused you hardship? (460 responses)
Yes: 43% No: 24% Not yet: 33%
- 9 How much debt do you expect to be in by graduation? (460 responses)
- | | |
|-----------------|-----|
| No debt | 25% |
| <\$1 000 | 5% |
| \$1,000-4,999 | 18% |
| \$5,000-9,999 | 16% |
| \$10,000-19,999 | 22% |
| >=\$20,000 | 14% |
- 10 Do you usually live at home while at school? (470 responses)
Usually: 8%
Used to: 1%
No: 90%
- 11 Have you lived at home while on work terms? (440 responses)
Always: 20%
Sometimes: 50%
Never: 30%
- 12 Average weekly salary while on work term: \$572 (387 responses)

Debt load surveys are conducted every Winter and Spring school term by the Dean of Engineering's office to assess the impact of the differential tuition increases on UW Engineering students.

Gin & Tronics reign supreme in GeniusBowl



IRON WARRIOR STAFF

This term's GeniusBowl trivia contest took place last Wednesday. One of the most popular EngSoc events, 180 students representing 30 teams participated this term.

The competition was intense, with last summer's winning team, the 3A Comps, leading by one point heading into the final round. However, the 2A Mechatronics class came out of nowhere to steal the trophy with a dazzling performance in the

final round. Pictured above are winning team members Greg FitzGerald, Nick Dymont, Sebastian Peleato, Dan Jilek, Jeff Loveless, and Pierre Dinnessen.

The 4B Comps finished in second place, trailing the Gin & Tronics by only one point. In third place, there was a tie between the 3A Mechs and the 3B Geo/Enviro team.

Congratulations go out to all the participants, and also to organizers Graeme Roche, Matt Strickland, and Graham Cranston for running a terrific event.

Predictions: George W. Bush, President for the ages?

Continued from cover

lunge anyone who advocates the legalization of marijuana to look at the long term side effects, and give an honest face answer that legalization will benefit society. Coming from a Chinese background, I read about how uncontrolled opium addiction was one of the reasons why Chinese society and China went from 1st world status to becoming a poor 3rd world country in the 19th and 20th century. I do not think Canada wants to repeat the Chinese experience. How many people will suffer before marijuana becomes not "cool" again?

4. The Nasdaq stock index will rise to about 4000 before it crashes in "tech bust II". Since it is currently sitting at 2000, clearly I recommend you buy stocks today.

Disclosure: This author owns multiple securities listed on the Nasdaq stock exchange.

Disclaimer: Comments and opinions offered in this report are for information only. They should not be considered as advice to purchase or to sell mentioned securities.

(I always wanted to put that in a column. It sounds so technical and sophisticated.)

5. Microsoft will still rule the world. I'm sorry Linux, Google, IBM fans, antitrust folks, but while Bill Gates is alive, Microsoft will crush any and all challengers.

6. Google will continue to revolutionize search. By 2010, it will be able to read minds. For example, by then, when I open the Google search page, without typing it will display "pretty" pictures of

Mischa Barton of The O.C. But then I will think this is the "wrong" search, and it will give the "correct" answer of the summary of latest episode with pretty pictures of Mischa Barton.

Also, by 2010, the term "to Google your significant other" means to find out their deepest secret desires, why they listen to opera, and what they actually think of your parents.

7. When I got admitted to Computer Engineering, the admission average for the program was 92/93%, so only super geniuses applied. This upcoming Sept, the admission average is going to be 85%. Based on these trends, by 2010, the admission average should be about 78%, so only anyone heading into community college should be accepted!

On a related note, I hear no one wants to apply to Computer Engineering anymore, so I will quickly give a few points to the recruiters on why smart people should come to Computer Engineering:

a) Computer Engineering is known as the Green Card Program. i.e., many graduates get hired to work in the U.S after graduation and get companies to sponsor them for permanent residency in the U.S (a.k.a. Green Card, only the most coveted card in the whole world)

b) We should note Computer Engineering usually is composed of 90% males. I do not think I will ever see quite the high percentage of nerdy, dorky looking males packed into such a small space in my life again. This might be attractive to anyone who is attracted to nerdy, dorky looking males. Anyone that's desperate enough to look for nerdy, dorky looking males

should apply to this program right away!

c) Software Engineering is not truly engineering. Please ask Norm Young, the director of Software Engineering, why he said this to us repeatedly when he taught our software engineering course.

8. Lindsay Lohan and Ashton Kutcher will have been caught making out at some trendy nightclub. Asked about it, their publicist will insist, "It's purely sexual". And a month later you will read on US Weekly, "Well, actually we did it to revive our dying careers based on our mediocre talent, but it did turn purely sexual".

9. There are Liberal Governments in B.C, Ontario, Quebec, and in Ottawa. It is unprecedented that the federal government and Canada's three most important provinces are run by the same party at any one point in time. So I predict one these four governments will fall in their upcoming elections. Actually, it seems likely it will either be Quebec (Jean Charest is one of the most unpopular premiers in Quebec history) or Ontario (Dalton McGuinty is about to become extremely unpopular as he tries to fix massive deficits with massive tax increases or massive spending cuts)

10. George W. Bush finally retires and goes back to Texas. While the world and Canada especially celebrates in delirium, I bet the history books written in 2050 will remember him as one of great Yankee Presidents. I cannot but notice that 72 years ago, Franklin Roosevelt was President, and 72 years before that, it was Abraham Lincoln, and 72 years before that, George Washington. And somehow big events keep happening on his watch: Sept 11, Iraq War, big tax cuts, etc. And here are

some things that might happen in his remaining years: UN reform, Middle East Peace between Israel and Palestine, first new pope in 25 years, and fundamental reforms in American economy (tax reform, social security) as it is clear the current structure is not sustainable. Clearly Bush can screw things pretty badly, but if he gets it right he will be a President for the ages.

11. Tuition will get more insanely expensive. I think it will top \$6500 per term by 2010. But while students will be crying they are going to die in debt, half of them will drive a car between Waterloo and Toronto every weekend, when gas will be like \$2.50/liter, the majority will own iPods, and people will still magically have the money to go on that grad trip to Europe right after exams are over.

12. 30 will be the new new 20. (I know, I am getting there when I fantasize about being 20, as opposed to 19, 18, 17, and 16 because I think that is too young!)

13. There will be more (way more) mad cows discovered in Canada. However, Canada will still campaign the US to open the border to Canadian beef. When asked why the U.S should accept such dangerous beef, the Canadian Prime Minister will say, well, "We are only sending you mad cows, I know it destroy people's brains, but how much dumber can Americans get? And I know people with mad cow become crazy, but Americans are a mad people!"

The Prime Minister will profess befuddlement when the U.S refuses to open the border.

14. Iron Warrior will still have better staff, better writing, and better stories than Imprint.

FIRST: Robots compete in 3-on-3 matches

Continued from cover

on Friday, the competition had been narrowed down to just eight ‘alliances’ of three teams each. These alliances would co-operate to achieve the goal of the competition—to stack coloured ‘tetras’, which look like great big D4s made out of plastic tubing, onto several ‘goals’ around the playing area before the opposing alliance did the same.

During the first fifteen seconds of the match, the robots used their programmed capabilities to pick up or knock down tetras, or locate ‘special’ tetras. After that, the drivers take over, manoeuvring their robots around the ring via remote control, picking up and putting down tetras, blocking other robots from doing so, crashing into each other, tipping each other over, and generally causing a maelstrom of metallic mayhem.

The machines had a variety of ways to pick up the tetras—most had articulated arms with various hooks, bars, or appurtenances on the end, some employed sophisticated crane-like claws, some used a forklift-type concept, some even looked like folding laundry racks. Each design had its advantages and drawbacks—robots with long extensible arms were more likely to become entangled or tipped over, and some of the shorter designs had trouble getting the tetras onto the goals. Robots were penalized for tipping other competitors or for violations when grabbing new tetras from the sidelines.

With great pomp and circumstance, the final stages of the competition got underway on Saturday, just after 1:00. After many epic battles, the semi-finalists faced off. The alliance of Teams 40, 1605, and 1084 faced off twice against 1503, 188, and 772, with 40, 1605, and 1084 coming out victorious after a lot of hard work from Team 40’s robot, ‘Jughead’. Teams 68, 1305, and 1241 beat Teams 781, 1006, and 1334 decisively, after Team 1334 was unfortunately penalized 60 points for loading violations in their first match. By their second match, Team 1241’s robot, ‘Shadow’, had experienced technical difficulties, and was running around without any sort of loading arm, hitting other robots and trying to get in their way. It was obviously a good strategy, as Teams 68, 1305, and 1241 came out victorious and would face Teams 40, 1605, and 1084 in

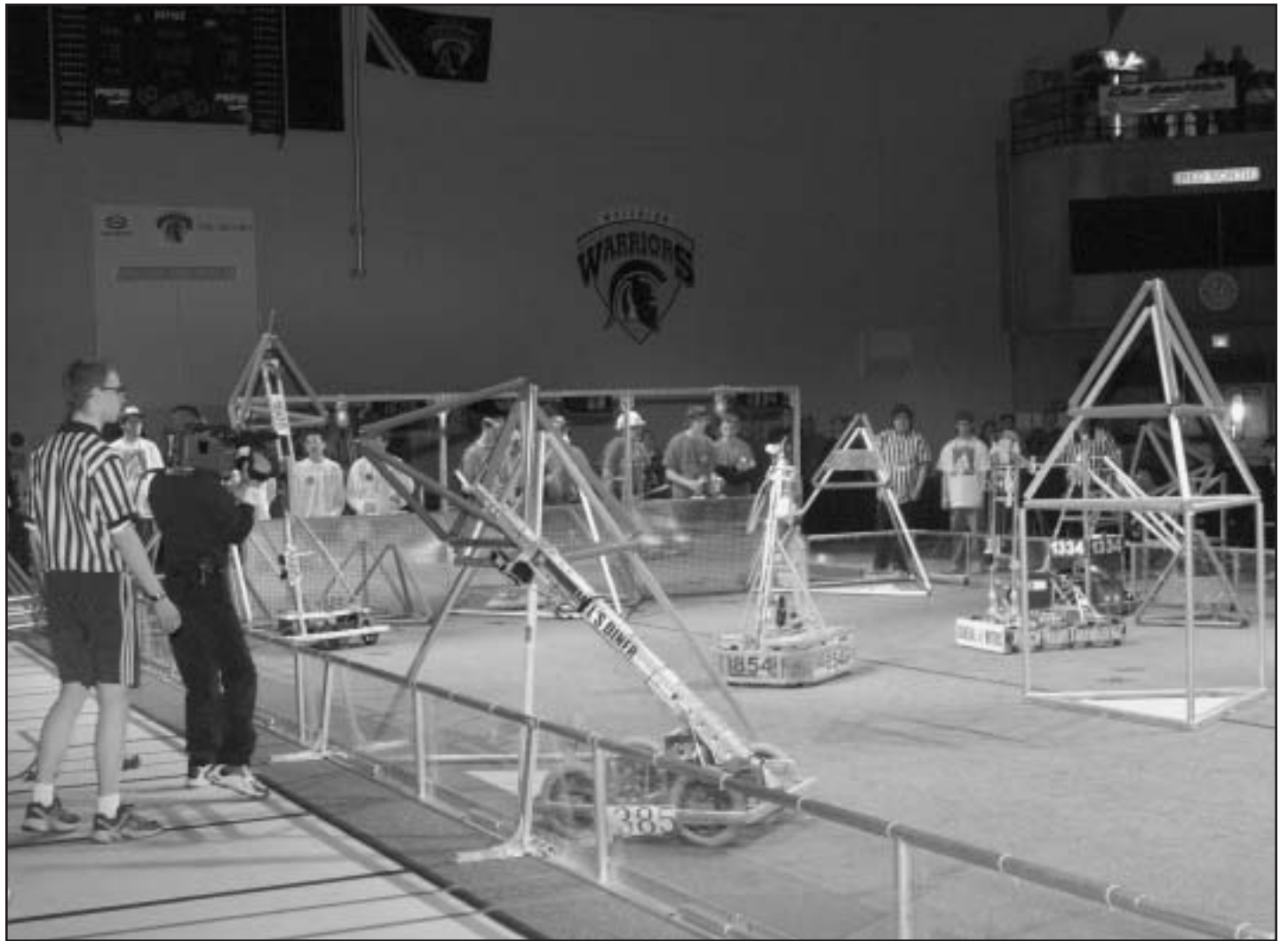


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the finals.

In the first final round, still unable to load any tetras, ‘Shadow’ decided that it was going to stir shit up. It promptly tipped over 1605’s robot, and proceeded to brutalize ‘Jughead’, causing it to lose one of the balls that made up its tetra-loading apparatus. Despite being penalized ten points, Teams 68, 1305, and 1241 were victorious. In the second final round, both teams were penalized for loading violations, but Teams 68, 1305, and 1241 came out on top. The robots were carted off for a well-needed rest as the crowds and competitors alike erupted in celebration.

Other notable highlights of the competition were the referees, including our good friend Ian Mackenzie, dancing the YMCA, and the judges, all respected engineers, businesspeople, or community members, including Jan P. Huissoon of Mechatronics, dancing around like—what else?—robots.

Confidentially, it rocks EngPlay review: “You Can’t Take It With You”



What happens when you get 19 engineers on one stage? If the play happens to be George S. Kaufman and Moss Hart’s *You Can’t Take It With You*, then it’s two-and-a-half-hours of good laughs from an audience of 170 people.

The entire story of this Pulitzer-winning comedy takes place in the living room of the Sycamores. The household is headed by grandpa Martin Vanderhof, a former Wall Streeter, who quit one day out of the blue and never looked back. Besides Grandpa’s daughter Penny Sycamore, her husband Paul, their two daughters Essie and Alice, and son-in-law Ed (married to Essie), the ever-accepting family also includes the maid Rheba and Mr. DePinna, who showed up eight years ago and never left.

With nobody but Alice holding a steady job, the family members pursue a few hobbies with passion at their leisure, which happens to be all the time. The slightly lunatic clan is happy in their somewhat isolated lifestyle, until Alice becomes engaged to Tony Kirby, son of a successful businessman, and the future in-laws come over for dinner.

The inevitable clash of values creates dramatic tension, and provokes a spectrum of reactions among the members of both families. The cast members handled it with a credible yet comical manner.

The lead role of Alice rested on the shoulders of Melissa Cesana, a veteran to the engineering play. She balanced out Alice’s mixed feelings of loving her entire family but on occasions being embarrassed by their non-conventional and perhaps too carefree ways. In the

past, Cesana has played characters with plenty of attitudes; it certainly was a change to see a more restrained performance from her. Yet, that never stopped her from taking you on an emotional roller coaster ride of her own as a girl in love.

Matt Woosley did justice to the love-struck Tony Kirby. He played the role with subtlety and a gentle interpretation. If you ever wondered what it meant to be a sensitive Romeo, Woosley’s performance was the answer.

However, most of the humorous moments came from rest of the cast. Evan Wilson’s Grandpa had almost child-like qualities to appreciate and enjoy life, while handing out the age-old wisdom of “you really can’t take it with you”. His closing lines gave you that warm and fuzzy, if slightly over sentimental, feelings. The boisterous Mr. Kolenkhov, by Mark Truchanowicz, had such stage presence that was impossible for him to be overlooked. Who could hold back when it came to his “It steenks”? Brooks Turton contributed to the play a different type of farce. The goofiness of his Donald lay less in his dialog than his physical performance, of which he had a good timing.

There were occasional less-than-perfect moments, mostly centered around the over-crowding of the limited stage by as many as sixteen characters. Seeing all members of the family, each absorbed in his or her own activity, which takes place on the stage simultaneously, can be quite distracting. One hardly knows where to focus and just misses the cue.

The minor flaws definitely did not overshadow an overall solid and comical play. The efforts of the cast and the “play-nazi” determination of the two directors (as pointed out by Cesana) had paid off generously. At the end of the night, a good play like this gave you something to take away with.

FIRST Robotics Competition Teams

Number	Name	Location
40	Trinity HS Juggernauts	New Hampshire
68	Truck Town Thunder	Michigan
188	Woburn CI Blizzard	Toronto, ON
758	Roboticats	Blenheim, ON
772	Club Sandwich	Lasalle, ON
781	Kinetic Knights	Kincardine, ON
843	WOSS Tech Wildcats	Oakville, ON
854	The Iron Bears	Toronto, ON
886	Wildcats	North York, ON
1006	Port Perry Rebels	Port Perry, ON
1084	Iron Colts	Sarnia, ON
1112	Huskies	Toronto, ON
1114	Simbiotics	St Catharines, ON
1188	Oaktown Crewz	Michigan
1232	Rams Robotics	Stratford, ON
1241	Theory_6	Mississauga, ON
1292	RNS Joysticks	Rothsay, NB
1305	iceU	North Bay, ON
1334	OTHS robotics Red Devils	Oakville, ON
1385	The Brainstormers	Waterloo, ON
1503	GM Westlane	Niagara Falls, ON
1565	Think Tank Technologies (T3)	Cambridge, ON
1605	George Harvey C.I.	Toronto, ON
1680	Fort Erie S.S.	Fort Erie, ON

Julian Fellowes is the real snob



CINDY BAO
3B ELECTRICAL

It was no accident when I picked up a copy of Julian Fellowes' *'Snobs'*. After all, his Oscar-winning screenplay *Gosford Park* (on which he collaborated with director Robert Altman) was every bit as delicious, and this fictional debut had some good words-of-mouth from Leah McLaren and Anne Kingston - two of my favourite columnists. However, the book was an utter disappointment.

First of all, the time is wrong. Set in contemporary England, the aristocratic scandals are no longer what they were, after the taped phone calls and endless books on Lady Di. Nonetheless, we are led into the world of the lords and ladies.

Edith Lavery is a receptionist at a Chelsea estate agent. Brought up as an only child in a rather well-to-do middle class family, her sole aim for the future, as well as her mother's, is for Edith to marry up the social ladder. She is introduced to Charles Broughton, heir to the Marquess of Uckfield, by "me", an actor and the narrator of the story. (Fellowes is in the acting profession himself, talking about alter ego.)

Earl Broughton falls for the blonde and soon makes her Lady Broughton. The newlyweds live with the Marquess and Marchioness of Uckfield in relatively peaceful Sussex, until one day, a film ensemble borrows their stately home for a period drama, and our young countess meets a B-list actor Simon Russell.

The story of social climbing and scandals is nothing new, but one at least should be able to expect the characters to bring some freshness. The readers are out of luck in this department as well. Edith is definitely not Becky Sharpe. In fact, the bored heroine fails to provoke any sympathy as the unhappily married lady led down the wrong path. The book doesn't even seem to have much to do with her, as she has hardly made an impression.

Cindy's Kitchen



CINDY BAO
3B ELECTRICAL

After 3 months of the food tour, we arrive at the last stop, Asia. At the same time, I'd like to bid my farewell to the BSoc readers, thank you for your continuing support.

Last but not least, don't forget the importance of healthy eating during your crazy exam period.

Slow Cooked Beef

Courtesy of Susur Lee

There is nothing much I can say about this dish, except that it's by no one other than Susur Lee. Having seen other recipes by the master, this one seems especially easy. Therefore, I broke my usual habit of providing my own little alterations in the opening paragraphs.

Jicama, a legume, is also known as yam beans or Mexican turnip, which to be honest, I haven't bothered looking in the local stores. If you are using water chestnuts, which are much smaller than jicama, simply slice them into 1/2 thick pieces. Water

All other individuals we meet in the novel appear to be manufactured from a few well-known moulds. Most male members of the blue blood are exactly as they are expected to be, boring, not too bright and some right-in-your-face rude. Their female counterparts, meanwhile, are mean while maintaining impeccable manners. Charles' descending to a depressed state only serves to contrast Simon as yet another opportunist trying to squeeze himself into the rank.

Slightly more intriguing is the matriarch of the Broughtons, as she single-handedly attempts to pull her family through the tidings in a stiff-upper-lip manner. She's all too smart for her husband and she knows it, yet manages to perform all her lady's duties to perfection. The mother-in-law is everything Edith isn't.

The obsession of Fellowes' storytelling, however, is his ample knowledge of the British upper class way. "I" in the book, in spite of having the wrong career choice according to the privileged, is ever so smug about actually being one of them by birth. The narrator also takes such pride in knowing the correct handling of every social group and situation, and does not bother to hide his schadenfreude in the narration when anyone who doesn't belong shows social awkwardness.

On the other hand, those born with a silver spoon are portrayed as having nothing likable about them. They protect their superiority by trying to exclude any outsider from joining their caste. They make the silliest nicknames for one another, entirely for the purpose of casual name-dropping, knowing fully well those removed from the inner circle have not the slightest clue (the Lord and Lady of Uckfield are known as "Tigger" and "Googie".) Their bad taste in names rings right up there with their bad taste in food.

While neither the plot nor the characters stands out in *Snobs*, the snobbery definitely takes the center stage. Most importantly, don't forget that the real snob in the book is Fellowes, as he snubs both the clumsiness of the aristocrat wannabes and the lack of grace among the members of the Society.

chestnuts can come in cans. This dish works well when served on white steamed rice.

1/2 pound of strip lion or tenderloin beef

1/2 cup chicken stock

1/2 cup of Jicama (or water chestnuts)

2 tablespoon Japanese soy sauce, or to taste

1 teaspoon white sugar, or to taste

1 tablespoon fresh ginger

2 stalks of green onion.

2 tablespoon vegetable oil

1/2 teaspoon cornstarch with 1 tbsp water mixed in bowl

1. Slice beef into strips. Peel and slice jicama into 1/2 inch pieces and quarter them. Chop green onions into 1 inch long chunks. Peel and julienne ginger.

2. Heat oil in frying pan. Once oil is hot, put ginger and jicama in, turn down heat and cook slowly for 5 minutes.

3. Add green onions.

4. Make sure your heat is low...you don't want to brown anything. Cook another 5 or so minutes and then add beef.

5. 1 minute later add chicken stock.

6. Then add soya sauce and sugar and cook slowly until beef cooked through.

7. Finally add a little cornstarch at a time until sauce thickens up.

Album review: "Funeral"



DAN ARNOTT
2A ENVIRONMENTAL

Okay, you're probably sick of hearing the name 'Arcade Fire' thrown around. And if you're not yet, you're going to be soon. This band out of Montreal has already endeared itself to independent music fans everywhere, and is beginning to expand its sphere of influence to include ordinary music fans like you and I. Their debut full-length album, *'Funeral'*, is definitely worthy of all the attention this band has been getting. A friend of mine said that he could compare it to 'Abbey Road' in terms of its cohesion and effectiveness as an album. While I think it's a little early to bestow that praise upon it, there's no doubt that it certainly comes together nicely.

The band consists of a bunch of Montreal musicians of diverse backgrounds, including lanky Texan singer/guitarist Win Butler and his brother William, Montreal multi-instrumentalist Régine Chassagne, Napoleon Dynamite look-alike Tim Kingsbury, drummer Howard Bilerman, and Richard Parry on second guitar. A host of other bit players appear on the album, including violinist Owen Pallett (a.k.a Final Fantasy, for those in the know).

The album starts off with 'Neighbourhood #1- Tunnels'—the first of many neighbourhood-themed tracks, small vignettes in song form which tell the stories of a mythical neighbourhood, giving the album a sense of cohesion. It's an upbeat, breezy, ethereal track, which rises to psychedelic levels of energy by the end. It tells the hypothetical tale of two young lovers who wake up to find their neighbourhood covered in snow. This song is an excellent example of Arcade Fire's songwriting style. The variety of instruments they use—guitars, drums, bass, piano, strings, accordion, organ—turns the song into a very dense, multilayered, complex composition. But here's the catch—it sounds as light and effortless as ever, and never overpowers you with all its instruments.

The next tune, 'Neighbourhood #2—Laika', is a spunky track with accordion and violin melody lines over a driving beat. Win sings the verses with a Frank Black yelp, while he and Régine harmonize the frantic chorus. Things slow down a bit on 'Une année sans lumière', with its bilingual lyrics, soft melodic guitar, and solid but understated

ed drums. Once again, this track features dense violins, but they fit right in, and a sneaky little lead guitar works its way in.

'Neighbourhood #3—Power Out' kicks the album right back into high gear. With an explosion of drums and fuzzed-out guitars, the track is a non-stop high-energy danceable cacophony. If you're not grooving to the snare beat by the end of it, then you're far stronger than I. But 'Neighbourhood #4—Seven Kettles' brings the energy back down, with a sweet and sad tale of domestic stagnation.

'Crown of Love' is a sugary-sweet waltz, dripping in violins and genuine emotion—truly a love song of epic, days-gone-by proportions... that is, until it degenerates into an unabashed disco of ABBA proportions. But this is just another interesting loop that Arcade Fire has thrown at us, and it makes the track that much more interesting and the band that much more sporadic. The album is full of surprises. 'Wake Up' begins with what sounds like a straight-up rock-and-roll guitar riff, but soon turns into a choral, crescendo-filled celebration of all the wonders of consciousness. It is on this track that Arcade Fire comes closest to The Beatles—the whole track is redolent of Sgt. Pepper psychedelia, and it even speeds up in the middle just like 'A Day in the Life'. Accordion, harp, saloon-sounding piano, and that rockin' guitar underneath it all. You can almost hear the veins popping on Win's forehead as he sings "We're just a million little gods causin' rainstorms, turning every good thing to rust!"

'Haiti' and 'In the Backseat' are somewhat mundane, although by no means bad. Régine's vocals are celestial, and the instrumentals are solid. But in my opinion, the best track on the entire album is 'Rebellion (Lies)'. It starts out with a bass drum beat, a little guitar noise in the background, and then the bass line comes in. Then a few notes on guitar and the solid piano chord which provides the backbone of the song, then the vocals. The drums kick in, and the song reaches into your chest, grabs you by the right ventricle, and takes your heart on a hell of a ride. If this song doesn't leave you sweaty, breathless, and shaking with pure emotion, well, then I don't know what will.

In summary, despite all the hype surrounding Arcade Fire, this album is solid. It delivers a pleasant and enjoyable listening experience for indie snobs and average people alike. It's got something for everyone, and is guaranteed to touch you in ways you never thought possible. This album doesn't need to be *Abbey Road*—it is *Funeral*, and that should say it all.

Makes 2 servings

Chicken Matzo Ball Soup

The sunset of April 23rd this year marks the beginning of Passover, about which I will not get into details, simply because I really don't know much about it. However, sharing a recipe of matzo ball soup is fitting for the occasion.

Matzo balls can be very easy to make if you follow the simple instructions, which I confess I learned from the box the matzo meal comes in, and are probably for those who don't have a traditional family recipe to follow. A word of advice: use a relatively big pot, because once cooked, the matzo balls expand to about twice their original size.

The soup can be a meal all by itself, since it is really quite filling. To store, take the matzo balls out of the soup and put in a separate container. They freeze well, too. Unfortunately, this piece of information only came to me after I had the soup for three meals in a row...

1/4 cup water or chicken stock

1/4 cup kosher for Passover vegetable oil

1 cup matzo meal

4 large eggs

1 tablespoon of salt or to taste

Ground black pepper to taste

4 to 5 cups of chicken stock.

1 carrot, cut to chunks

1 medium onion, chopped

1 celery stalk, cut into pieces

2 tablespoon minced parsley

1. Beat eggs, then add water, oil, salt and pepper, mix well.

2. Add matzo meal into the egg mixture, combine thoroughly and refrigerate for an hour.

3. In a large pot, pour in chicken stock, carrot, onion and celery. Bring to a boil.

4. Wet palms with cold water, and roll the matzo mix into one inch balls and drop into the boiling soup, makes about 15.

5. Reduce the heat to low and simmer the soup for 30 minutes, covered. The matzo balls will float when done.

6. Garnish with parsley and serve.

Prof quotes... because profs just say the darndest things

- "Now things are going to get more complex... it will involve i..."
—West, SYDE 211 (MATH 218)
- "e to the 10t...get it? Tenti! Hahaha! Anyway, now evaluate the Laplace of e to the... Tenti..."
—West, SYDE 211 (MATH 218)
- "Let's say you were at TalEng and someone asked you to solve this DE..."
—West, SYDE 211 (MATH 218)
- "This is too hard to prove, so in the spirit of engineering..."
—West, SYDE 211 (MATH 218)
- (talking about Pi Day)
Prof: "They should give out crazy pies."
Class: "Why?"
West: "Because it's irrational!"
—West, SYDE 211 (MATH 218)
- "Integral of ti ta de ti de ta... hmm sounds like music class!"
—West, SYDE 211 (MATH 218)
- "If you have 5 aces in your poker hand, no one wants to play with you."
—Springer, SYDE 213 (STAT 230)
- Prof: "...so 1 over 13 for the aces..."
Student: "There are 13 aces?"
Prof: "No, 4 over 52 is 1 over 13!"
—Springer, SYDE 213 (STAT 230)
- "You either get people squared or square people and I dont want to meet you in either case."
—Springer, SYDE 213 (STAT 230)
- "Get used to the curvy lines, it's part of growing up."
—West, SYDE 211 (MATH 218)
- "Don't swear at the mechanical engineers, they have a hard life, but we don't want anything to do with them!"
—Tizhoosh, SYDE 223
- "If you donate millions of dollars, I think we should show some appreciation."
—Tizhoosh, SYDE 223
- (writes on the board) THIS KLASS IS VERY ESMART
—Tizhoosh, SYDE 223
- "So you fill the address book with some stuff: first name, last name, phone number, number of girlfriends, etc"
—Tizhoosh, SYDE 223
- "This always happens in a course: we learn something in the beginning and when we get to the end, we find it might not be useful!"
—Tizhoosh, SYDE 223
- "If I invented a new algorithm, tell me please!! So I can go publish a paper!"
—Tizhoosh, SYDE 223
- "This can be useless in many, many applications."
—Tizhoosh, SYDE 223
- "Let's take a break, so you forget about the equations. Then we can come back and think about them again."
—Jayaram, ECE 362
- "It's pretty easy to figure out whether you're building something."
—Whitelaw, ERS 241
- "There's no way the MTO would allow tractors on a 400-series highway."
—Whitelaw, ERS 241
- "The federal and provincial governments have been trying to harmonize for some time, but it's just like two big, testosterone-driven men in a room."
—Whitelaw, ERS 241
- (About a formula sheet) "Scan it in, scale it down, sell it to your classmates."
—Brodland, ENVE 224
- "I should be able to think of a relationship between X and Y, shouldn't I?"
—Brodland, ENVE 224
- "You just have one of those faces that is easy to pick on"
—Emelko, ENVE 276
- "May your teeth fall out and your nose hairs fall in knots!" (When talking to a student who did not do his homework)
—Dubé, FR 192A
- "Thevenin and voltage divider will get you three quarters of the course. And buy the book. That's a joke."
—Sedra, ECE 332
- "And I don't memorize things well... so clearly, I belong in Engineering."
—Emelko, ENVE 276
- "n is the new j."
—Loucks, ECE 324
- "We're assuming dumb slaves and smart masters."
—Loucks, ECE 324
- "The bus is free! The bus is free!"
—W. Loucks, ECE 324, explaining split cycle bus transfers
- "What happened to my beloved computer?"
—Seviora, ECE 354
- "My name was read incorrectly at both my wedding and my convocation. So suck it up!"
—Loucks, ECE 324, while attempting to pronounce students' names
- "You must go to the science building to live in a world without friction."
—Loucks, ECE 324

The Iron Warrior welcomes prof quote submissions from engineering students. Email your submissions to iwarrior@gmail.uwaterloo.ca

ARTS CORNER

Implosive

Rafee Ameen, 1B Mechanical

reach for a brittle dream and watch it shatter:	(but if it hurts, and if I bleed, I must be alive, right?)
fragments in motion resonant a thousand colours, a rainbow kaleidoscope breakaway shards like shrapnel, implosive,	/~~~/ see: shattered fragments of a brittle dream sharp deadly broken pieces (of you) reaching in
beautiful, mesmerising, sparkling shimmering edges spinning, twisting, turning	see: and you the epicentre, (waiting for the shards to reach in, cut deep) - you, the focus
implosive, reaching in reaching for you	
a promise: sharp and deadly and terrible a promise: cut deep and bleed dry a promise: hurt	see: you, waiting you, hurting /~~~/

Top 10 Signs That Spring Has Arrived At Waterloo

Arthur Lau, 2A Systems Design

10. Squirrels are humping again.
9. Waterloo is beginning to smell like shit again.
8. Students are switching from condom hats to baseball caps
7. Warriors basketball team is eliminated from playoffs again
6. Delightful sight of goose droppings on the lawn reappears
5. Number of times you slipped while walking to school drops way off
4. Air at UW is once again filled with intoxicating smell of plaza food
3. Profs are happier and their freaky side begins to show
2. 4B kids act freakier in anticipation of graduation
1. A 4B guy parades through your class wearing nothing but a thong



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Chamber Choir to perform in end-of-term concert

QUOC HUY T. LE
4B ELECTRICAL

The University of Waterloo Chamber Choir is, once again, holding a concert on Saturday, April 2. At Waterloo North Mennonite Church is where they will be performing a variety of beautiful choral pieces. Unlike last term, there will be no orchestra accompanying the choir. There will only be a piano accompaniment for a few pieces, while the rest of the songs are sung acapella in four to twelve part harmony.

Each of the thirty to thirty-seven choir members are chosen at the beginning of each fall and winter terms through an audition process. This term, a set of fifteen beautiful secular pieces has been assembled by the Chamber Choir director, Richard Cunningham, a professional counter-tenor who has been directing the choir for over five years.

The program is called *Serenade to Music* in honour of the closing piece written by Ralph Vaughan Williams, the lyrics of which are taken from Shakespeare's *The Merchant of Venice*. When asked about his music

selection for the program Cunningham replied, "The first time I heard *Serenade to Music* I knew I wanted to conduct it." *Serenade to Music* features four incredibly talented soloists.

Other pieces being performed include two from Johannes Brahms' repertoire, John Rutter's *Banquet Fugue* and Healey Willan's *Three Songs to Music*. The acapella repertoire includes three songs written by Benjamin Britten, *Musick's Empire*, *O Music*, *Loveliest Art*, *Musicians Who Sing*, Randall Thompson's *Alleluia* and Daniel Gawthrop's gentle *Sing Me To Heaven*.

This term the faculty of engineering is fortunate enough to have a large representation in the choir, with David Zach, Chris Lawrence, and myself from the 4B Electrical class, Paul Ziade from Mechanical, and Ray Cabrera from Computer Engineering.

The concert is on Saturday, April 2 at 8:00pm at Waterloo North Mennonite Church near the corner of Benjamin and Weber (just down the road from the Farmer's Market). Tickets are \$5 for students and can be purchased at the door.



EWB and UW work to reduce global poverty

MARYAM KAMGARPOUR
ENGINEERS WITHOUT BORDERS

The University of Waterloo chapter of Engineers Without Borders (EWB) has recently embarked on a venture that blends innovation, education and international development: the SCALA project. Aimed at reducing global poverty, SCALA will see UW coop students head overseas each year to promote human development through access to technology.

SCALA is aimed at empowering and educating youth in the Philippines, over 12 million of whom are currently unemployed and out of school. Engineers Without Borders has partnered with the Department

of Social Welfare to setup 15 computer training centres across the Philippines. Currently, they are working on setting up an additional 12 centres and on rendering them fully operational and sustainable. The SCALA project overseas interns bring computer literacy and life skills to the Filipino youth. This will greatly increase their chances of employability and hence, chances for a better life. Hundreds of Filipino youth have already been successful in finding jobs after completion of this program.

The SCALA project, in which some of EWB's twenty-two other Canadian chapters have already participated, has enjoyed certain successes to date. Its astounding 97.5%

graduation rate is one achievement; being presented with the Global Knowledge Partnership Youth Education award by the United Nations in Geneva is another.

The next phase of the SCALA Program is an exciting opportunity for the two UW-selected overseas volunteers to implement these Computer Livelihood Training Centres with the EWB Filipino partner. To make the internships happen, UW volunteers are looking for donations of 50 computers to be shipped overseas - computers must be at least 300 MHz, with 64 MB RAM and have a CD drive. Donation of computer parts such as monitors, printers, and scanners are also welcomed. Charitable tax receipts for up to \$250.00 can be pro-

vided for donated equipments.

Engineers Without Borders is Canada's fastest growing not-for-profit organization, with nearly 10,000 members having joined since its founding by two University of Waterloo students in 2000. With a mandate of promoting human development through access to technology, it has already sent hundreds of volunteers around the world to assist with a variety of international development projects.

Those interested in getting involved with the project should contact Sonya Konzak, chapter president: sonya.konzak@gmail.com. For information regarding equipment donation please contact gotcomputers@gmail.com.

the Iron Inquisition

Cindy Bao, 3B Electrical

What is your worst memory of Engineering at Waterloo?



Running along highway 85 after Oktoberfest
—Graham Bury, 3B Systems



In 1A, geese beat me up and took my lunch money
—Dan Arnott, 2A Enviro



Need I say more?
—Erica Waugh and Dave Marentette



Fire extinguisher
—Pedro Mottda and Nick Solda, 1B Civil



There was that time at the Bomber...
—Andrew Ferguson, 4B Mech



The day fifty people chained their bikes to my motorcycle
—June Lowe



There was that time with Fergie at the Bomber...
—Josh Levitz, 4B Mech



Needing to take a piss at 5am while purpled and chained up to a 500 lb concrete block.
—Karim Lallani, 3B Systems