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# the IRON WARRIOR

THE NEWSPAPER OF THE UNIVERSITY OF WATERLOO ENGINEERING SOCIETY

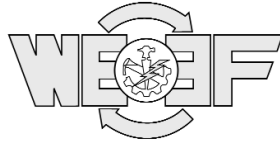
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## Vince Week Recapped



I'd like to thank everyone for making the Vince Week fundraising campaign a HUGE success. A grand total of \$18,710 was raised, which is absolutely amazing. Over 150 engineering students & professors shaved their heads in support of the event. 100% of the proceeds have been given to the Canadian Cancer Society and have been flagged for research use only! The fundraiser had a lot of positive publicity, including a live news interview with CKCO News and an article printed in the K-W Record!

Now, there's no way that we would've been able to raise \$18,710 without the help of a few very spirited classes. The following is a list of the top fundraising classes:

- 1) 1B Systems (08SYS) - \$3010
- 2) 2B Mech (Orgasmech) - \$2729
- 3) 3A Systems (SYaniDE) - \$2541
- 4) 1B Enviro/Geo (Kiss My Grass & The Geo Joes) - \$2153
- 5) 1B Comp (Green Eggs and RAM) - \$1090
- 6) 2B Software (Softcorps) - \$1012
- 7) 1B Mechatronics - \$1001
- 8) 2B Civil (Full Tilt) - \$776
- 9) 3A Elec (La Resistance) - \$492
- 10) 3A Geo (GeoJERX) - \$444

I'd also like to acknowledge the top individual fundraisers, who did a phenomenal job raising money:

- 1) Erica Waugh (1B Enviro) - \$1229
- 2) Jen Carroll (2B Mech) - \$1115
- 3) Theresa Kim (2B Soft) - \$677
- 4) Chris Pellett (1B Sys) - \$506
- 5) Shawn Keeper (2B Civ) - \$485
- 6) Evan Murphy (1B Comp) - \$466
- 7) Stacey Charlton (3A Geo) - \$444
- 8) Roman Allemann (2B Mech) - \$324
- 9) Bernice Chan (1B Sys) - \$277
- 10) Sheel Shah (1B Sys) - \$262

Thank you again to everyone who donated money to this wonderful cause! Let us hope that a cure for cancer is found soon.



*Prof. MacGregor, the top individual doner, shaves Prof. Calamai.*

## Ontario Health Premiums Paying More for Less

*Chun Lam*  
2B Mechanical

Over the past 12 years, our public health system has degraded as much as the bread on top of my fridge. Ravaged by billions of dollars of Provincial and Federal budget reductions needed in order to fund superficial "tax cuts," coupled with an increasingly unhealthy, aging population high on sugar and fast foods, the health care system is increasingly inefficient in providing care. Day after day we hear horror stories about long waiting times in emergency rooms, shorter hospital stay-over times for severe medical issues, people being on surgery waiting lists for years due to personal financial shortages, inadequate equipment, and people traveling to the United States for health services. In the States, "If you can pay, there's a way to help you" is the motto of their services.

The provincial government, in charge of administering public health care, have been pushed by the public to improve the state of the system to the point where governments were overthrown. This was the case in Ontario, when Dalton McGuinty's Liberals defeated the draconian incumbent Progressive Conservatives in the fall of 2003. The Liberal's solution for improving health care is to implement a new Health Premium which every "of-age person" will be required to pay. With the budget speech in May, the provincial

Liberal government announced that it will apply an income-based health premium to generate new funds for the health care system. This health premium will come into effect July 1. The health premiums to be levied by the government range from \$300 per year for a person with an annual income of \$20,000 - \$36,000 to a maximum of \$900 per year for a person with an annual income of \$200,000 or more, generating \$2.4 billion dollars in new funds. Now before you go off on your "don't give government more tax dollars" rants, Ontario is following other provinces that have implemented a health premium, namely British Columbia and Alberta. In Alberta, individuals pay an annual premium of \$528, while families pay \$1,056. In B.C. the rates are \$648 for individuals, \$1,152 for couples and \$1,296 for families of three or more.

So what does it mean? Right off the bat, it's the government implementing a new tax for our system. The government cannot fund our system with its current resources and therefore must again ask the population for 'forced donations.' However, with our health care system being drained of money for the past 12 years, adding money back in to counteract the money lost is a short term solution to the problem; albeit the average person will think that we are adding new funding to the system. With the federal govern-

*Continued on page 5. Please see "The Trouble With..."*

## Internet Voting? Don't Throw Out the Paper Yet



On June 28, Canadians will head to the polls to cast their ballots. However, if results from past elections are any indication, fully 75% of the 18-24 year-old population will not vote. There has been much speculation about the reasons for the dismal youth turnout in recent elections. Elections Canada commissioned a major study to investigate the reasons why people are not voting, and identified lack of interest and negative attitudes toward politicians, among other issues.

Some have proposed that allowing electors to vote on the internet would increase turnout. Proponents argue that

traditional voting is too inconvenient for many people, and that as younger generations are accustomed to doing everything from banking to grocery shopping online, internet voting would attract more people to cast a ballot.

During last fall's municipal elections, the City of Markham allowed its residents to vote over the internet, in what was the largest scale use of internet voting in North America to date. 12,000 of 158,000 eligible voters registered for internet voting, and of those who voted online, 25% had never voted before.

South of the border, although internet voting has not been used to any significant extent, the increased use of touch-screen voting machines has raised numerous concerns. Several states have been overhauling their election systems in the aftermath of the 2000 presidential election, in which President Bush defeated Al Gore by a very slim margin. Widely-used punch-card vot-

ing machines were blamed for significant confusion at the polls, causing many jurisdictions to adopt more user-friendly touch-screen voting technology.

The new technology has not been free of problems. The State of California banned touch-screen machines in six counties following a series of mishaps and security concerns. Leaked source code for machines manufactured by Diebold, one of the largest makers of voting systems, revealed multiple security vulnerabilities. Officials in Florida have expressed doubt about the new machines, opting to purchase older low-tech systems instead.

The primary concern about electronic voting is the lack of a paper trail to validate the ballots cast. With traditional paper and pencil voting, there is physical evidence for each vote, which can easily be counted and recounted in the event of any dispute. Scrutineers from each of the parties may be present to oversee the count-

ing, and to ensure the process is conducted appropriately. When touch-screen voting is used, the votes are stored in electronic form, generally with no associated paper trail. While the computer can quickly and easily tally the votes, it becomes difficult to verify that the data in the computer has not been manipulated or modified in any way. Moreover, there is no recourse available if a recount is requested.

In California, all electronic voting systems will be required to provide a paper printout of each vote by 2006, to protect against fraud and to allow for a manual recount in the event of any results dispute.

With so many security issues about touch-screen voting, internet voting will certainly bring about even more questions. Indeed, for Elections Canada, these overwhelming concerns about the potential for fraud will keep Canadians using the old-fashioned paper ballots in federal elections for some time to come.

*"It means that this squiggly thing is not equal to this squiggly thing." Professor Rothenburn, Civil Department Chair, CivE 222*

## Letter from the Editor

John Olaveson

2B Civil

Editor-in-Chief



I have suffered three heartbreaks this year. The last, and least notable, was when I failed to land the WEEF TA job. The other two were the result of hockey games. The Leafs died first, after a spirited late-game rally against Philadelphia. The other was when Calgary took a penalty on a questionable call late in Game 7 of the Cup final. Everyone probably knows by now that Calgary fell to Tampa Bay.

Not two years ago, I would barely have known the Calgary Flames were charging in for their second Stanley Cup in their history. I don't know what caused the change in me from impartial, ignorant Trekkie to hockey-fanatic. I tuned in every Leafs game I could on the radio. I watched play-off hockey almost every night it was on (including all Leaf games save game 3 against Ottawa). I love it, I can't get enough... I'm addicted.

I'm not alone. There are plenty of other people at the Sportaholics Anonymous meetings I go to every Thursday night. But where do all these people come from? I'm fairly certain that none of them were cloned from me.

When the Big Game is on, people from all walks of life congregate in front of televisions, either in local reputable establishments or in private residences to sit back and enjoy the drama. Before, during, and after, some people will rhyme off stats, discuss strategies, detail the lives of their favourite player, or even dress like their favourite player. Raise your hand if you own a jersey with a pro team logo on it.

Hockey is not the sole sport which has addicts in tow. Every sport picks up die-hards, from golf to curling. How many cable channels are dedicated to sports? ESPN, TSN, and so on. Then there are the sports package channels. NFL, NHL, NBA, and MBL all have groups of stations that play nothing but sports. They wouldn't exist if people did not watch. Why are so many affected so deeply?

As life gets faster and harder, people crave more and more a way to relax, to take life at an easy pace, to think about nothing of consequence. Sports offer such an escape. Until the home team wins the Stanley Cup. Then the military might be called in. Sports provide no depth of thought. Sports have no deadlines the fans must meet (unless you go to the ACC dur-

ing a Leafs game), and you don't have to watch a whole season to understand what is going on right now. The drama of sports is set aside from the drama of life in that you can take it in pieces or as a whole and enjoy the experience just as much as the next person.

Human beings are often drawn instinctively to competition. Who makes the most money, who has the best job, who has the biggest... car. The competition of sports offers two important things; teammates and opponents. Fighting as a team accomplishes more than fighting alone. With no local war to distract us from the arena, or the diamond, or the pitch, we're free to form ourselves into mobs of cheering fans, dressed in team colours and carrying all the appropriate paraphernalia. And when we see fans of a rival team, we move in for the kill. Whether the event be as big as a Superbowl or as small as a high school soccer match, we follow the mob. What happened when the Leafs lost? Many of us turned to Calgary to carry us to victory.

Sports provides a forum where anyone can fit in with others. Popular and unpopular people can often agree on sports. The Game can bond people in ways that many other activities cannot. Sporting events are inherently social occasions, a time to invite the buddies over, or a place free from the need to talk to others (tying back in to the idea that life moves fast) and just watch the ball fly.

The economy drives sports forward. So many businesses are influenced by the success or demise of a team. When the Ottawa Senators moved from their old Civic Centre in the downtown core to the Corel Centre in the middle of nowhere, imagine what happened to all the restaurants and bars and souvenir shops that catered to the nightly fans. How much business was lost there? Food and convenience, memorabilia, even media jobs come about as a result of the popularity of sports. Sports analysts fill the papers and the radio waves after a big game. Jerseys and mini flags sell like hotcakes when a team pushes into the finals. And let's not forget about baseball cards. If The Simpsons is any indication, those things can be worth over \$30. What a market!

The recreational beverage market does its darndest to promote sports. How many Labatt commercials were aired during the Cup playoffs? How about during the Superbowl? Bars and pubs make a point to play all the big games, drawing in big social groups and providing them with cool, refreshing drinks. Its almost a form of brainwashing. Others would call it

good advertising.

Sports addicts don't have many places to turn. There's no Betty Ford clinic for the sport junkies of the world. In fact, about the only option for someone going through withdrawal is to watch more sports. There are enough of them that the major sports overlap each other. There's always a game on. Well, except for this past weekend. All I found was golf.

Sports addictions are not bad, like a nicotine addition is. There's no health issue connected to sport-watching. Unless obesity induced by snack food and lethargy, or mob beatings count. The draw to sports is not something that takes over a person's mind (except perhaps in extremely rare cases). And all the habit costs is a cheap television and a monthly cable fee. Over twenty years (a good life for a television), the cost of the TV approaches pennies (and I didn't need any calculus or economics notes to figure that one out). The monthly cable bill for basic cable is in the range of \$20. So, the habit costs about \$240 annually. The new Health Care Premiums cost more than that!

If an individual is looking for a solution to an addiction, there are some not-so-clinical methods available. Some are fun, others are not. Do homework. Not so fun, I know, but I'm just mentioning it to all of you who haven't thought of it yet. Get a job. Still not much fun, but you can then afford your habit, and do something during those long days where the only things on TV are Star Trek and soap operas. Have sex. That should be enough to stop you thinking about sports. Oh, and these solutions work for both men and women.

However, if the only thing you're tired of is watching from the sidelines, you're in luck! The University offers many sports open to all students. Campus Rec hurrah! And of course, there's always backyard sports. Some of your classmates even partake in sports after (or during) lectures.

There are only two solutions for you die-hard Leaf fans. First, give it up! Its never gonna happen! Secondly, you can play computer hockey and make an unbeatable Leafs team by cranking your players' stats. But be warned, games sometimes emulate real life, no matter how stacked your Leafs are. I've tried.

## Questions? Comments?

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

[iwarrior@engmail.uwaterloo.ca](mailto:iwarrior@engmail.uwaterloo.ca)

## the IRON WARRIOR

The Newspaper of the University of Waterloo Engineering Society

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And all 18 Exec Nominees



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## SPRING 2004 TECHNICAL SPEAKER COMPETITION RESULTS

**FIRST PRIZE** Candra Whitesell, Environmental Engineering (Chemical)  
"Optimization for Wells with Liquid Loading Issues"

**OTHER COMPETITORS** Jeremy Daniels, Mechanical Engineering  
"Stratification of a Growth Phase of a House Fire"

Jeff Alfonsi, Systems Design Engineering  
"MRI for Dummies"

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## SANDFORD FLEMING DEBATES

The Sandford Fleming Debates will be held from 11:30 - 1:00 on July 5, 6, 7 in E2 Room 3324 with finals on July 9 at noon outside POETS in CPH.

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

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. Mail should be addressed to The Iron Warrior, Engineering Society, CPH 1327, University of Waterloo, Waterloo, Ontario, N2L 3G1. Our phone number is (519) 888-4567 x2693. Our fax number is (519) 725-4872. E-mail can be sent to [iwarrior@engmail.uwaterloo.ca](mailto:iwarrior@engmail.uwaterloo.ca)



**High Rider**

3A Electrical

"Dear HR,  
"Where is the best place in Waterloo to go dyke fishing?"  
-Lonely Engineer

Dear Lonely Engineer

It seems that you are of a solitary disposition, to which I can thoroughly relate. Unfortunately there is no place to go dyke fishing in Waterloo. If there is not the reek of manure accosting your nostrils from all directions, then there will be veritable battalions of hostile geese assailing your tenuous position from both air and ground. The fish belong to the geese, and they know it. Let me assure you that being covered with foul fowl excrement is not an enjoyable experience and facing hordes of hissing geese advancing with merciless glint in their beady eyes is quite nerve wracking.

High Rider

"Dear High Rider:

Will I ever get that girl in Arts I've been looking at through my bedroom window all term? I want to talk to her, but I just don't have the guts."

-Lonely and Alone

Dear Lonely and Alone

Somedays when I check my mail, I think that the stupidity of the vacuous questions I receive has reached its all time low. You have now disabused me of that comforting notion. Of course, you are not going to get that girl; someone who spends all term staring out of his bedroom window is highly unlikely to get any girl, much less the exact same girl who is probably terrified by the attentions of a neurotic moron who keeps staring at her from his bedroom window! I would say that your chances of striking up any sort of positive relationship with this girl have fled you as surely as your wits must have.

High Rider

P.S. The next time you think of sending me a question, do the human race a favour, and jump out of that window you

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

mention. I'll be sure to send in your nomination to the Darwin Awards.

Dear High Rider,  
"How does lesbianism work? Aren't they missing certain anatomical tools?"  
-No Wang

Dear No Wang

Since you are also missing said anatomical tool, you should know better than I.

High Rider

"Dear HR,  
"How much beer does it take to make the Statue of Liberty hot?"

Dear No Name,

## Cindy's Kitchen: Snacks



**Cindy Bao**

3A Electrical

After last issue's dose of healthy salads, I am going to feature comfort foods as a more substantial snack. Sadly, both contain plenty of carbohydrate, so be warned if you follow Atkins or South Beach religiously. For the health conscious, I suppose you can use whole grain pasta and bread.

### Thai Peanut Noodles

If you don't have a food processor to make the sauce, dilute peanut butter with water first before you add all the seasonings. The trick is to add water one table spoon at a time and stir until it is completely incorporated before adding another spoonful. For the first couple of times, the peanut butter will gather into dough that does not stick to the side of the bowl. It will thin down thereafter and appear a creamy colour. The amount of water you add depends on how thick you like your dressing.

Another tip is that noodles tend to stick together when you set them aside: stirring in 1/4 teaspoon of oil will help. Use a neutral oil, such as peanut, canola or safflower, so that it will not interfere with the sauce. I'd recommend that you use a thinner pasta or noodle, such as Chinese egg noodles or angel hair.

For added nutritional value, as well as visual presentation, julienne some cooked chicken (roasted, boiled, etc), cucumbers, carrots and bean sprouts to top the noodles.

- 3 tbsp peanut butter
- 4 tbsp or more water
- 2 tsp soy sauce
- 1 tsp sugar
- 1/2 tsp rice vinegar
- 1 tsp green onion
- 1/2 tsp ginger
- 1/2 tsp garlic
- hot chili flake or chili sauce to taste
- 1/2 tsp of neutral oil
- 1 tbsp chopped peanuts
- 1/2 pound of cooked noodles

1. Stir peanut butter, water, soy sauce, sugar, rice vinegar, green onion, ginger, garlic and chili together until smooth. (see notes above)

2. Cook the noodles in a large pot of boiling water according to the package

What's the alcoholic content of the beer? And how hot do you want to make the Statue of Liberty? If x is the percent content of alcohol in the beer, y is the energy released by combustion of alcohol, and U is the heat required to make the Statue of Liberty hot, then assuming a perfect steady state and steady flow nonadiabatic process a simple calculation should yield the minimum beer required to make the Statue of Liberty hot.

On the other hand, if you simply want to become inebriated, I suggest hitting yourself over the head with a large blunt object -such as a phonebook - repeatedly until you are on the verge of losing consciousness. For one of your intellectual stature, there will be no harm done, and you will have dispensed with the unnecessary expense of buying beer.

High Rider

directions. Drain well, rinse them with cold water, then drain again and stir in oil.

3. Toss in noodles, chicken and vegetables with the dressings and sprinkle with peanuts.

Yields 2 servings

### Grilled Cheese Sandwiches

Adapted from Christine Cushing Lives

This is a grown-up version of your favourite childhood lunch. If you please, you can also add grilled Pancetta or bacon to your sandwiches.

If you can, instead of spreading butter with a knife, melt the butter in a bowl and brush it onto the bread with a pastry brush. The bread will absorb the butter more evenly and produce a better crust.

- 3 tbsp butter, softened
- 1/2 cup mushrooms, your favorite kind, sliced thinly
- 1 small cooking onion, finely sliced
- Salt and pepper to taste
- 8 slices of bread
- 1 1/2 cup grated cheddar cheese

1. In a large frying pan, heat 1 tbsp. of the butter on medium heat.

2. Add the mushrooms, onion, salt and pepper, and cook until the mushroom turns golden brown and the onion is caramelized (begin to taste sugary instead of sharp), about 5 minutes.

3. Put the mixture in a bowl and wipe out the pan.

4. Butter one side of four slices of bread with the softened butter and put it buttered side down on a dish.

5. Top the unbuttered top of the bread with half the cheese, then the mushrooms and onion. Then the remaining cheese

6. Butter one side of another bread slice and place on top of the cheese buttered side up.

7. Heat the frying pan on medium-low heat.

8. Add the sandwiches and cook, turning once, until golden and the cheese is melted, about 2 to 3 minutes per side.

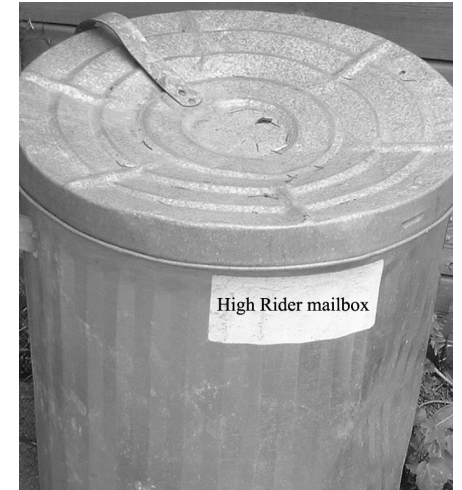
Makes 4 servings

While I think this grill cheese sandwich is wonderful, I am told it may not be suitable for the male population in general. As a result, I am giving a recipe with masculinity, which I publish as follows:

Toast 2 slices of bread in a toaster. Then spread Cheese Whiz between the pieces of toast. Bon Appetite.

## Opinions

"Dear HR,  
"Why haven't you responded to my letters? I write you every day but I've yet to see an answer!"



## Village Life: Goose Pooh



**Michael Simoes**

1B Chemical

When walking to class in the morning, still a little bit groggy for 8:30 classes after being rudely woken up at 6:30, I have to maneuver around the geese pooh mine field. It is everywhere; they are everywhere... those damn dirty geese. What is worse is that they are loud, and they sound like 10 men farting. Nobody needs to hear that at 6:30 in the morning. Being in Village 1, I cannot shut my window during the night or it becomes like a sauna in the rooms, so I have to put up with it, every single morning. Funny, they pooh like no tomorrow, and they sound like farting noises. Coincidence? I think not. They were made to be the most annoying bird, with the seagulls not too far behind.

What is worse is that they are vicious birds. I was walking to school one morning, and I look above, and all I see is four geese circling around me. Being afraid for my life, because a four-on-one, with the added advantage of wings on the geese, I began to run. They gave pursuit, and did not ease up. Trying to trick them, I started running in zigzags, and they couldn't follow anymore, so they left me be. Thankfully, I came out clean, but my shoes sure didn't. They were covered in goose crap. It is NOT fun cleaning goose crap off your shoes.

I hate the Canadian Goose. In the mornings when I wake up, being angered and frustrated with the geese that awoke me, I wish I had a paintball gun and I could just shoot them from my bed. Then I can go outside being content that I shot a goose, take it and its feathers and make myself a new goose down pillow and comforter so that I can sleep more comfortably. Complain all you want about protecting the endangered Canadian Goose, but it must have run through your mind at one point in time. From what I can see, they are numerous, and they continue to reproduce exponentially, why not try and slow down their growth rate? Do not kill the baby ones, they are not loud, kill the big ones after they reproduce. It will help out all involved. The village green will not be covered in goose pooh, making it easier to play soccer or ultimate Frisbee, and we wont have to tip toe through the pooh droplets everywhere. Damn Geese.

## POINT VS. COUNTERPOINT

# Should Landed Immigrants with Dual Citizenship be Allowed to Study at Canadian Universities?

*Chun Lam*  
2B Mechanical

Canada is a wonderful nation, with wonderful wilderness for hundreds of miles, clean water, clean air (unless you're near any urban area, especially the GTA), decent beer, a wonderful public health system, and a great education system. Yes, our education system is quite spectacular; it empowers people who have nothing to be able to attain a degree that can provide economic emancipation. Public education also provides a way to develop your nation socially, culturally, and economically (although sometimes it doesn't happen). Such a liberal attitude towards accessibility has led to issues with the people who are attending our universities. In our universities, we have seen an influx of peoples from other regions such as Asia, and the Middle East. These are people who have recently come to Canada (within 2 to 3 years) and applied for Landed Immigrant Status or Canadian Citizenship. They usually achieve Canadian citizenship within 2 years, as we are a liberal country; the quilt of multiculturalism covers our great land. Now these people have become dual citizens – citizens of Canada and of their home country. They attend a year or two of high school and then head off to university, which they get into because of their magnificent work ethic and talent. They then head off to university and get their degree. The problem comes after they receive their diploma and return to their native land to live out their days in that land. It is worth noting that not all immigrants are like this; many do immigrate here and stay for their lives, which is wonderful in my opinion. However, there are many immigrants that do not stay here after they receive their diploma. These people have not contributed much to Canada nor will they ever. As an example my cousins, born in Hong Kong, immigrated to Canada and attended Canadian universities receiving degrees in engineering and business. Now, they are back in Hong Kong, working for Hong Kong-based companies.

This has become somewhat of an issue as the majority of UW programs contain many of these immigrants – such as engineering, mathematics and sciences. This is a problem because these technical programs train people to develop new technologies that will improve our standard of life and improve our society, but above all to generate economic wealth. When the graduates from these programs don't stay in Canada then we have achieved nothing but appreciation from those people, which usually does not have economic worth. Our labour pool subsequently shrinks and

we do not have these human resources, which are most valuable, to adequately maintain and develop the state of our economy. This situation will be further worsened when our current personnel begin to retire within the next decade, and a shortage of skilled labour results. Our source of new personnel is from our public universities, but if we admit people into our universities who are going to leave our nation after graduation then our public universities have not achieved one of their goals – that is, to train people to develop our nation. Hence Canada has become a major global exporter of skilled workers, not because we are an oppressive country (if this was the case I could not argue that they should stay in Canada after getting their degree) but because of our liberalism.

Unless our governments accept the foreign credentials of skilled immigrant workers to work as the skilled persons that they are, while in Canada - which will not occur anytime soon - I suggest we should prevent recently landed immigrants with landed immigrant status or Canadian citizenship, from attending a public Canadian university. Preference to all university programs should be given to people who are born in this country, as people born in this nation are more bound to our country and so be more willing to develop Canada socially, culturally, and economically. I do not believe that immigrants should be barred from attending university here permanently; I suggest that immigrants must spend 5 - 7 years in this country before they can attend a Canadian University. This probation period would be used to integrate those people into our society and make them more willing to stay in Canada and help our nation. Certain companies institute probation periods for new employees to determine the employees' ability to provide value to the company. Why can't we implement the same thing to determine the immigrant's worthiness to be given the chance to shape our nation with a university degree? While immigrants who do come here contribute to the economy in the short term with their taxes (of course, since they are students, they get most of their income tax dollars refunded to them) and consumption of goods, it is not meaningful in the long term economic forecast. Canada receives only small short term economic benefit, and loses the economic value of a skilled worker, both in terms of the labour they could provide, and the substantial future taxes they would pay. So we get short term gain but long term pain.

I believe it's unfair and disrespectful to a nation that gives you the opportunity to become educated to not in return assist it in its development. I don't believe you should sever ties with your native land, but

*Monica Tsang*  
2B Mechanical

It is outright discrimination to disallow a certain group of Canadian citizens from receiving education from Canadian universities. The "Citizenship Act" part 1974-75-76, c. 108, s. 5 states that: "A citizen, whether or not born in Canada, is entitled to all rights, powers and privileges and is subject to all obligations, duties and liabilities to which a person who is a (Canadian-born) citizen." As long as these individuals are fulfilling their rightful duties as a citizen, such as paying their taxes and abiding by our laws, they should have the same privileges as any other Canadian citizens.

Immigration Canada attracts potential immigrants under these two main categories: Skilled Workers and Business Immigration. Candidates are required either to provide our country with their expertise or business investments to obtain Canadian citizenship. Our immigration officials screen candidates through an intensive process consisting of personal interviews, medical examination, and proof of financial funds. To ensure our country will truly benefit from their immigration, candidates are granted citizenship only if they meet all of the stringent requirements. If candidates invest so much time and effort to gain access to our subsidized post secondary institutions, our universities should be greatly commended. It clearly upholds our international reputation.

The underlying argument is that Canadian citizens with dual citizenship may take advantage of our heavily subsidi-

and so will not fall under the category for exclusion.

if you come here and use our resources, you should be expected to assist in the cultural and economic development of our nation with the skills you attain at Canadian universities. It's just like providing care for your parents when they are old – they nurtured you from infancy to adulthood, during a time when you were vulnerable. Then, when your parents are vulnerable because of their age, are you going to not extend the care to your parents when they took care of you in your time of need? Of course not, and by the same reasoning people educated in Canada should develop Canada before returning to their country of origin.

People might counter my argument by asking, "what about people who take an exchange here? Should they be excluded also?" My answer is no, they should not because their duration of residence here in a Canadian university is temporary. They are not here to obtain a complete degree

dized education system. They may return to their homeland or feed the Brain Drain by relocating to another country to start their careers. In the short term, it may seem like a lost investment to Canada, but it may prove to be beneficial in the long run. University students who are educated by the Canadian system will likely promote our system and standards to other countries. Showcasing their Canadian degrees through their knowledge and expertise may attract foreign investments to our country. Companies may decide to start subsidiary offices in Canada to utilize local talents.

As for the Brain Drain, this phenomenon is inevitable. Even within Canada, residents relocate themselves to other provinces for various reasons, such as job assignments, change of lifestyle or career advancements. Unless Canada decides to adopt China's policy of travel restrictions between provinces, citizens have the freedom to relocate themselves anywhere they desire.

Many talents working in Canadian corporations may not necessarily be Canadians. In other words, Brain Drain works both ways. Immigration, in other words, is the Brain Drain of talents from other countries. In today's business world, trade is without border. Multinational corporations attract talents from all over the world. Our citizens, even those who are not immigrants, will move to where their job prospects lead them. As long as our new immigrants have "paid their dues" by satisfying all immigration requirements, they should be given the same privileges as any other Canadian citizen. Immigrants with dual citizenship should have every right to study at a Canadian university.

and so will not fall under the category for exclusion.

In conclusion, I do not believe we should close our doors to immigrants, since immigrants do wonderful things in our country, and have sometimes been exploited by the country – for instance the Chinese immigrants and building the national railroad in the 19th century, or the head tax on Asian immigrants in the early 20th century. I just want our nation to protect its interests and develop its people first instead of the peoples of other countries.

*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.*

## JobMine Feedback Forum: Open to All Students

Now that we have worked through our first interview and match cycle using JobMine, we are interested in hearing your opinions and experiences about it. Please attend the forum on Tuesday July 6, 4:30-6:00 pm in RCH 101 and tell us what you think.

# The Trouble With a Privatized Health Care System

...continued from Page 1.

ment spreading more BS than you'd see in a lab report about improving the health care system, the provincial governments are stuck with coping with the rising costs. They accomplish this by raising taxes or reducing the amount and extent of coverage for certain services. The Liberals also reduced funding for some services in their budget by, for example, limiting funding on eye examinations to people of 20 years of age and younger and seniors 65 and over. OHIP (Ontario's public health care plan) will also no longer cover chiropractors and limit coverage of physiotherapy to services administered to seniors through home care and long-term care.

Personally, I don't mind paying more for our health care system. It's the best system possible because it provides people of all economic classes with adequate health care, which is important to me as I am not a very wealthy person. I'll pay as much as it takes to provide excellent health care to the population of Ontario. However, the fact that we are paying more for a fewer number of services really disgusts me. Why am I paying extra hundreds of dollars a year for a health care system that won't pay for the services that I need, like eye examinations? Why isn't

public health care paying for more health services like yearly dental examinations? This reduction of the services covered by our public health system leads to the question, "is our health system being slowly privatized?" Services are being cut from the public coverage system, leading to opportunities for private companies to jump in.

In my opinion, I'm totally against privatized health care. That is, I'm against private corporations administering health care without any public institution being able to monitor its

activities. I don't particularly want a system similar to that in the United States, where private corporations provide health care which people pay for through their health insurance fees. There are two reasons why I believe health should stay public.

First, under a public health care system, everyone has access to treatment, no matter what economic situation they are in. Being able to provide health care to everyone instills the value that everyone has the right to a healthy life. Health care

in the States is good if you can pay for it. Everyone else lacks health care; by limiting health care, people are instilled with a sense of worthlessness for the economically less fortunate. For example, two individuals come into the emergency room who both need immediate surgery for survival, one being a homeless person

from the street without health insurance, and the other an engineer with health insurance. If they came into a private hospital, the engineer would have a greater chance of survival as he has paid for this service

whereas the homeless person has not. On a side note, it is debatable whether the engineer should have priority treatment, as he or she might not be worth more economically than the homeless person; but we won't argue that here. If the same situation occurred in a public hospital both patients would be treated equally.

Second, a private health institution only has to be accountable to its owners or shareholders. It does not have to be accountable to the public. Thus, the possibility arises that something unethical may

occur and with the public unable to prove it because they cannot go into a private institution and investigate. In a public system, anyone in the province of Ontario can obtain and read, under the Freedom of Information Act, any public document from the public health system barring disapproval from the courts. It is this ability of the public to be able to monitor the system that makes the system accountable. This is important as we all want health care; however, we want treatment that can cure us, not kill us. And when the system does fail, we want to find out why and how in order to prevent it from happening again.

I will not discuss whether the private could do a better job than the public. I'll let the WPRIG people and Campus Conservatives argue about it.

With the current federal election (which I want to encourage everyone to vote in), if we elect the Conservative Party of Canada (a party I like to call "When honesty isn't the best policy") into power, we will definitely see the dismantling of our public health care, but it will occur subtly. I'm pretty much saying *don't vote Conservative*, for retaining public health care and for other reasons, like their anti-homosexual marriage stance.

In the case we do elect them – MAY GOD HELP US ALL.

**“A private health institution only has to be accountable to its owners or shareholders. Thus, the possibility arises that something unethical may occur...”**

## Federal Election Leadership Debate



Sung Hon Wu

4A Computer

Here is a summary of the 2004 leaders' debate by the Iron Warrior for those who missed the debate.

### The setting:

A stage with four podiums for leaders of the four parties, facing the stage is the moderator and three journalists who will ask questions during the debate.

### The characters:

**Paul Martin:** The current Prime Minister and leader of the Liberal Party. He is extremely indecisive, and as Liberals tend to do, try to be all things to all people. In fact, prior to the debate, he was indecisive on whether to look decisive. Also likes to spend lots of money creating ads no one has ever seen.

**Stephen Harper:** The leader of the opposition and leader of the Conservative Party. Just prior to the debate, his handlers tried to cut off his tail and his horns but found they were stuck on his body. To try to create a better image, his handlers covered up Mr Harper's face with a mask of George W. Bush.

**Jack Layton:** The leader of the NDP. He is a very good salesman, in fact, he has been consistently ranked the #1 used car salesman in the Shady Salesman magazine for 5 years running. However, he has already lost the debate, because he has violated the first rule of politics, he has a moustache.

**Gilles Duceppe:** The leader of the Bloc Quebecois, a party dedicated to creating the separate nation of Quebec. He seems to be in a really angry mood ever since he was told he couldn't have a separate nation, a separate audience and a separate debate between himself and a

wooden dummy.

### The debate transcript:

**Moderator:** Welcome to the debate, lets have the opening statements

**Paul Martin:** Tonight, for this debate I would like to talk about.... I'm not sure. This debate is going to be really meaningful for whoever finds it meaningful. I too find it meaningful. For those who find this debate not meaningful, I agree with you that the debate is not meaningful.

**Stephen Harper:** Welcome, tonight I will show you have nothing to fear from the new Conservative party. Despite what has been said, I do not look like a devil and there is nothing hidden about me. See, I even look human!

**Jack Layton:** Ladies and Gentleman, I will sell you my party, the NDP. I will also sell you my used '99 Honda Civic, my wife's '95 Ford Focus, and my new investment scheme. It combines the best properties of a pyramid scheme and ponzo investments. I promise that you will be sold on something tonight!

**Gilles Duceppe:** I am here to demand a separate debate. The people of Quebec deserve no less! They need to observe my debating skills against a wooden dummy. I also demand a separate moderator, and separate journalists asking questions.

**Moderator:** Thank you, now onto the first topic of the night, Government Accountability. What is your position on the advertising scandal?

**Paul Martin:** My view is those who are angry about government spending on phantom ads, I'm angry "with" you. For those who benefited from the government scandal by pocketing money, I promise nothing is going to change. And obviously, I feel responsible and absolved of responsibility for the advertising scandal.

**Stephen Harper:** I'm outraged by government spending money. I promise a Conservative government will not spend money on phantom ads, in fact no money will be spent on health care, education, or the environment. You will never hear

about evil government spending again because there won't be one!

**Jack Layton:** My view is, people should buy my plan. My plan is people should bid for government slush money. That way you guys can all sign up for the following course "Jack Layton on how to get government kickbacks"

**Gilles Duceppe:** I demand a separate moderator. Quebec needs a separate advertising scandal.

**Moderator:** Next, the second topic of the night, Social Issues. What is your position on the social issues of the day?

**Paul Martin:** Obviously I support a women's right to choose and the right for same-sex marriage. Except when people disagree with me, like the Pope and the Catholic Church of which I'm a member of.

**Stephen Harper:** I have no hidden agenda. It is obvious to everyone. I'm in support of everyone's rights unless I get elected. In which case I will have no opinion and no memory of everything I have ever said. I just don't understand why everyone thinks I'm hiding something.

**Jack Layton:** I support rights in general. In fact, the best way to get your right enshrined in the charter is to hire me, Jack Layton, as your advocate. I promise I will succeed, unless it falls under the conditions listed in really really small font that is written in invisible ink.

**Gilles Duceppe:** I demand Quebec have its own separate social issues. In fact, Quebec needs a right to be separate. Hey Jack, can I hire you as Quebec's advocate?

**Moderator:** On to the third topic of the night, Foreign Relations. What is your position on the foreign issues of today and tomorrow?

**Paul Martin:** My foreign policy has the following basis: I will be friends with everybody because I will agree with them on everything. I am friends with George W. Bush because I agree he is the best President and friend I could have. I am

friends with Jacques Chirac because I agree with him George W. Bush is a jerk and a mortal enemy to civilization. Hey, someone even called me "New Old Canada"

**Stephen Harper:** The United States is our best ally and our largest customer. I like to follow the adage, the customer is always right, and even when they are wrong, they are still right. Therefore my policy is to make our customer happy. I think I will get along with Mr Bush since he and I have many similarities, including how similar we look.

**Jack Layton:** Foreign policy is all about selling. That's why Canada ought to vote for the NDP, so they can have me selling. I'm pretty sure I can boost exports of used cars, dubious investment schemes and other Jack Layton services.

**Gilles Duceppe:** I think Quebec should have a separate foreign policy, but it should be exactly the like the one Canada has. I think I deserve a separate question as well.

**Moderator:** Time for your closing statements

**Paul Martin:** To close, if you think my performance tonight was very good, vote for me. If you think my performance was not very decisive, I promise my indecisiveness will be whatever you want it to be. Maybe you should vote for me.

**Stephen Harper:** See, I'm not that scary. I trust Canadians to see the real Stephen Harper for who he is, a man who is decisive and is willing to take very unpopular policies.

**Jack Layton:** If I haven't sold you something tonight, you can buy the "I brought nothing from Jack Layton" t-shirt. Its made from real cotton and it comes in 3 different sizes. Call now!

**Gilles Duceppe:** I deserve a separate evaluation on my performance tonight.

**Moderator:** Now for the Canadian Election Idol portion of this show. Please phone-in with your voter preference and we will eliminate one of these 4 on a special season finale next week! Out!

## Engineering Society Executive Reports

### B-Soc Executive Exposed: Exclusive IW Investigation

Quoc Huy T. Le

4A Electrical



Come near the end of the term five lucky students will be voted and sworn in as the new B-Soc executive council. After two terms of satisfactory service, the old execs are being asked to graciously step down and concede their power to this next generation of young leaders. There's no reason in particular for why their reign of terror is over, right? They've just finished their duties, right? Wrong! Grant, Emma, Jeff, Matt and Josh are NOT voluntarily stepping down. They've been impeached. The whole ordeal with "electing new execs" is an elaborate cover-up designed to allow those accused to walk away with their dignity intact. However, we here at the Iron Warrior have the inside scoop on these execs of evil, these political opportunists, these selfish sinister salivating scalawags.

First on the chopping block is Grant Holohan, our trusted Vice-President of Finance. Trusted, that is, until it was found out that he was smuggling funds to the Arts department. As if our faculty doesn't have enough trouble paying its bills, here is our VPF shovelling more of our hard-earned cash to people who pay half as much as we do in tuition. And that's not all. It turns out that all groups to whom EngSoc has donated funds (under the approval of Mr. Holohan) which have a name that begins with a "T" or a "\*" are actually fronts for underground arts faculty groups whose political agendas include the legalization of marijuana and the criminalization of Fruit of the Loom products. When asked to comment, Grant's only statement was, "So what's the problem? I mean, I can't hide my hydroponics setup forever, right? And my undies are chafing me!"

Putting his deliberate money laundering aside, Grant's exceedingly poor decision making skills came to a head when he purchased a fully grown emu from Australia. He stored it in the back room of the Orifice and had hoped to finish eating

it little by little everyday. Unfortunately for him, our VP of Ed inadvertently discovered the peculiarities of his culinary vices.

Emma Bardon, our sweet little Vice-President of Education. Who could be more dedicated to the pedagogical welfare of her peers? It's a shame that most of her dedication went into her behind-the-scenes business of bringing dogs into the back room of the Orifice. There she would clean them, shave them, glue hair puffs on them and then sell them to unwary customers as mixed-poodle half-breeds. Things didn't go well one day when attention was drawn to the Orifice because a half-German shepherd half-pseudo-poodle began barking at and chewing on the leg of a poorly concealed emu. When asked about the fake poodles Emma responded, "Fake poodles? Oh no. These are real poodles. Just look at the balls of hair on their tails and heads. Wanna buy one?"

You may have noticed that Emma no longer wears her trademark Viking cap. Unbeknownst to the general public, Mrs. Bardon is actually in the middle of a lawsuit filed by the Viking Society of Norway (the VSN). Much to the dismay of the administration, Emma opted to seek legal advice from a Japanese law firm based in Tokyo. Suspicions were raised when the university began receiving telephone bills where multiple and prolonged calls were made to a company called Misakyo-Sosumi Attorneys at Law. Fee statements were also billed to the university from the same firm. The administration was not pleased. To make matters worse, the lawyers rescinded their agreement to represent Emma when news got back to the motherland about a Japanese exchange student being severely beaten by a hoodlum with a phonebook at the University of Waterloo.

Remember how, back in grade school, you'd get sent to the principle's office if you did something bad? Well, it certainly is a sad day for Waterloo Engineering when the EngSoc Vice-President of External Events gets sent to the Dean of Engineering's office for phonebooking a helpless Japanese boy. Jeff Alfonsi has expressed concerns in the past about his psychological stability. But it is clear his fate was sealed when he neglected to wear

forum on June 29th at 11:30 (free lunch will be provided). One completed module will be presented for feedback – it's really important that we get student input on this before it's too late to change! So, if you're interested in PDEng, or even if you think it's the worst idea ever, this is your chance to make a difference in the development of a course that will be taken by ALL incoming engineering students starting this fall.

I'm sure there will be other articles elsewhere in this issue on the topic, but one more reinforcement can't hurt: GO VOTE ON JUNE 28TH IN THE FEDERAL ELECTION! The only reason that politicians don't care about young people is that they don't vote. If they start voting, politicians will start caring. There's a ton of information available on the different party platforms, including their stances on post-secondary education (quick summary: two parties want to increase loans, one wants to decrease tuition by 10% - I'll let you figure out which ones are which...).

pants to his meeting with Dean Sedra. When asked for an explanation, Jeff's response was, "I had a busy night before, alright? This Japanese guy wouldn't stop complaining to me about his missing German shepherd, so I had to teach him a lesson! But then I met this fox at the Bomber. Man, was she so hot! We fooled around and made out and everything! I couldn't stop thinking about her for all of the next day!" Dean Sedra has since replaced his glass table with one that is very opaque.

When asked for an analysis of the situation, Dean Sedra replied, "No pants! Do you believe that? Who doesn't wear pants? Let me tell you something: at U of T, if you don't wear pants, people hit you with phonebooks until you put some on. Mr. Alfonsi was bad enough. But boy, I wish I'd replaced my table before Mr. Strickland walked in."

Matt Strickland, the charismatic Vice-President of Internal Events coincidentally had his disciplinary meeting with Dean Sedra immediately after Alfonsi. Regrettably, Matt decided to wear a shirt that said "Engineering Sucks" while sporting his purple kilt...sans underwear. It wouldn't have been so bad had Strickland not chosen to contemptuously and slowly re-cross his legs several times during his encounter with the head of Engineering. When asked for his version of events Matt responded, "You know, it's the weirdest thing! I was playing some b-ball at the PAC with some arts students right before my meeting with Sedra. When I got out of the shower, someone has stolen my brand new Fruit of the Loom briefs!"

What was Matt doing at the Dean's office, you might ask? Well it turns out that, for the past couple months; Strickland had been using the Orifice as his very own personal late-night gambling centre. Indeed, he would gather an excess of up about twenty dressed-up businessmen, bring them to the Orifice at night, and then organize a Euchre tournament. Sadly for him, one night, a couple of drunken Australian exchange students crashed his well-structured event and trashed the Orifice. Tables were overturned, glass was broken, chairs were tossed around, suits were picked up and tossed away and bowlers were thrown left and right. One of the

inebriated individuals stumbled into the back room, fell into some dog hair glue and came out covered in emu feathers. The Aussies were flown back to their home country escorted by the President of the Engineering Society, sent by the University of Waterloo as a show of good faith.

Josh Levitz, the Engineering Society B President was assigned to represent Canada in an international diplomatic mission. Did he live up to these simple expectations? Unfortunately, he did not. What did he do instead? He got into trouble. When asked for a story Levitz only said, "I'd rather not divulge any information. Suffice to say there was a situation involving a dingo, a bag of ice, a nine-iron and eighty grams of what I presumed to be oregano."

The story with our president does not end there though. During his one week visit to Down Under, Josh reportedly also joined an organization which illegally captured ostriches and shaved them down to look like emus. These fake-emus were then sold internationally to restaurants and unsuspecting individuals. One night he was drinking at a bar with his ostrich-shaving buddies when the police came in looking for the ring leader of the two-bit operation. Drunk and really freaked out, Josh ran for the only place he thought he'd be safe, the Canadian Embassy. Like a drunken madman Josh crashed through the doors of the Canadian Embassy and stumbled into where the Canadian Ambassador and his staff were having a game of poker and fell on top of the playing area, shattering the glass table. Spooked, the Canadian Ambassador grabbed a phonebook and beats Levitz unconscious. From there, he was flown back to Canada in shame.

So there you have it folks. When the end of the term rolls around and it's time to vote for new executives, vote wisely. Say "no" to money-laundering, dog-shaving, phone-booking, illegal-gambling, or ostrich-trimming executives. It will be a very sad two terms if another Holohan, Bardon, Alfonsi, Strickland or Levitz is voted into office again.

**Editor's Note:** This story is entirely fictional. There is no need to investigate any of the issues raised here.

### Free Lunch!

Emma Bardon

Vice President, Education



There's a ton of stuff going on in terms of education these days.

CECS is doing a comprehensive review of itself. The Faculty of Engineering wants to make sure that it happens since the needs of engineering students are different from those in other faculties (primarily because we are the only ones for whom co-op is mandatory). Shortly, there will be some sessions with each class to find out what co-op is doing well, what it could do better, and what just plain sucks about the entire system.

PDEng will be hosting a lunchtime

### Drinks, Rafts, and TalEng

Matt Strickland

Vice President, Internal



ed, sign the sheet on the Orifice door.

Other events that are upcoming and worth being on the lookout for are TalEng, the engineering talent show; a trip to Canada's Wonderland; and the whitewater rafting trip to the Ottawa River. As always, check out the events calendar online at [engsoc.uwaterloo.ca](http://engsoc.uwaterloo.ca) or just drop by the Orifice.

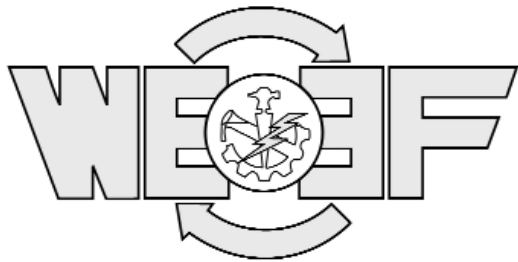
Well, with midterms finally over, you're probably asking yourself what you're going to do with all your newfound free time. Good question. Rest assured that the Engineering Society can certainly help.

For starters, June 28th will see the S'04 running of our traditional and oh-so-popular DUSTED. Basically, we fill a bus with UW Engineers and drive out to an unsuspecting drinkin' hole in a hamlet outside Waterloo and do our darndest to polish off their entire stock. It's a difficult job but somebody's got to do it. If you're interest-

Now for a few shout outs. Congrats to 08SYS for winning the 1st Annual Scramble to the Hole Engineering Golf Tournament. It was a day full of tense moments and high stake golf, but in the end 08SYS came out on top of the eight teams competing. Also, good work La Resistance (3A Elec), SYaniDE (3A Sys), and Green Eggs and RAM (1B Comp) for being the top three classes at the midway point of the P\*\*5 competition. They look well on pace to collect some of the \$600 in prize money available to the best classes.

## WEEF Participation Spring 2004

Class	Refunds	Enrolled	Participation
1B Chemical			84%
2B Chemical			47%
3A Chemical			78%
<b>Total Chemical</b>	<b>47</b>	<b>167</b>	<b>72%</b>
2B Civil			71%
4A Civil			42%
<b>Total Civil</b>	<b>57</b>	<b>135</b>	<b>58%</b>
1B Computer			79%
2B Computer			49%
4A Computer			43%
<b>Total Computer</b>	<b>246</b>	<b>511</b>	<b>52%</b>
1B Electrical			83%
3A Electrical			53%
4A Electrical			20%
<b>Total Electrical</b>	<b>147</b>	<b>310</b>	<b>53%</b>
1B Environmental			84%
3A Enviro. Civil			75%
<b>Total Enviro./Env.Civ.</b>	<b>11</b>	<b>49</b>	<b>78%</b>
4A Enviro. Chemical			94%
2B Enviro. Chemical			50%
<b>Total Enviro-Chem</b>	<b>2</b>	<b>27</b>	<b>81%</b>
1B Geological			79%
3A Geological			54%
<b>Total Geological</b>	<b>9</b>	<b>27</b>	<b>67%</b>
1B Mechanical			96%
2B Mechanical			84%
3A Mechanical			51%
4A Mechanical			53%
<b>Total Mechanical</b>	<b>87</b>	<b>324</b>	<b>73%</b>
1B Mechatronics			97%
<b>Total Mechatronics</b>	<b>3</b>	<b>108</b>	<b>97%</b>
2B Software			94%
<b>Total Software</b>	<b>5</b>	<b>90</b>	<b>94%</b>
1B Systems Design			50%
3A Systems Design			81%
<b>Total Systems Design</b>	<b>45</b>	<b>171</b>	<b>74%</b>
Exchange/N-degree			66%



## Feds Insurance Policy Change Affects Certain EngSoc Events

*Josh Levitz*

**President**



Yep – here’s my article! Hope everyone is dealing with midterms alright, and no one has completely lost it yet. As I still have some studying to do, I’ll keep this short and to the point!

The biggest issue right now which was only brought to my attention last week, is the FEDS insurance policy change. The insurance company is no longer covering off campus events held at licensed establishments, which means we can no

longer hold events at local bars or bowling alleys which serve alcohol. We do have the option to fill out risk assessment forms, and pay a large amount of money to get individual events covered, but realistically this is not in our budget. This obviously has a huge impact on us, and I’ve been doing everything I can to deal with it, but stay tuned for further developments.

Other than that the term has been running very smoothly, and I’d like to thank you all for organizing and attending all the events we’ve been having. It has been an amazing term so far, and many of you have told me that, so I know I’m not being biased. I’d like to wish all of the exec candidates the best of luck, and I look forward to welcoming the new exec in a month! Take care and email me with any questions you may have at bsoc\_prez@engmail.

## ProMag and Canada Day

*Jeff Alfonsi*

**Vice President,  
External**



Do you want to live - and by live I mean write about - the lifestyles of the rich and famous? To get your paparazzi career started, or to get some publications under your belt to help get into grad school, Project Magazine is the way to go. ProMag is published once a term by the Canadian Federation of Engineering Students and is distributed to universities throughout Canada and the world. To sweeten the deal, there is a cash prize if your article gets published. For complete details, check out [www.promag.cfes.ca](http://www.promag.cfes.ca) or email [amy@promag.cfes.ca](mailto:amy@promag.cfes.ca).

The VPX directors are hard at work as always. First, I gotta give a huge shout out to the charity

directs for the wicked awesome job with Vince Day. Next, I want to advertise the Blood Donation Challenge going on until July 17th. P\*\*5 points are awarded to all donors, and special bonuses are given to the classes with the largest percentage of total and first time donors. Full details are at [www.08sys.com](http://www.08sys.com).

How are you spending Canada Day? Why not be part of UW’s massive Canada Day celebration. Engsoc is hosting the engineering games, and we need volunteers for all events. Email [julyone@engmail](mailto:julyone@engmail) or go to the booth stationed in the CPH foyer this week to sign up. As a challenge to everyone out there, I’ll be in the dunk tank at 12. If you think you got what it takes to make me sink, be there! Trash Talk: You throw like my Grandmother...or Josh Levitz. Meh, what’s the difference?

To sum up this article on sex, drugs, and rock ‘n roll, sign up for the Women in Engineering mailing list ([uw\\_wie\\_subscribe@yahoo.com](mailto:uw_wie_subscribe@yahoo.com)). We are trying to pan out an event in the near future. Ciao.

## Get in the Hole: Eng Golf Tourney

*Christopher Olekas*  
1B Computer

On Saturday, June 12th, eight Waterloo Engineering teams descended on Waterloo Golf Academy, to participate in the first annual University of Waterloo Engineering ‘B’ Society "Scramble to the Hole" Golf Tournament. The day was beautiful, the sun was shining, and the wind was blowing all those sliced shots either into the water or out of bounds.

Teams of four took on the course, as everyone from novice to expert tried their hand at this short yet enjoyable course. The setup of the tournament was that each person hit their ball, and whichever ball had the best position was used for the next hit. In this way, everyone (yes, even us ECE people with practically no golfing experience) was able to play competitively against those who with a little more practice might make the C(L)PGA.

The highlight of the day for me, and my other 1B Green Eggs N’ RAM Computer golfers, was the cart

coming around to serve us some tasty BEvERages. I think for most of the other teams, playing in a tournament hosted by the Engineering Society against their peers, and showcasing their talent, was by far the most enjoyable aspect of the day.

As the first teams finished the 9 hole course, the 3A Chemandos were the clubhouse leaders with a 1 under 30. The rest of the teams began to follow into the clubhouse. Then the 1B O8SYS Systems came into the clubhouse with an outstanding performance, shooting a 5 under 26 to take the top spot on the leader board. As the last team, 2B Full Tilt Civil, finished up their round, the ECE Faculty team led by Dr. William Bishop was eagerly waiting to find out if his team would remain in the top 3 with their 1 over 32. However, the Full Tilt team came in with an outstanding round of golf, shooting a 1 under 30. Since they bogeyed on the last hole, they were awarded 3rd place, with the 3A Chemandos in 2nd and the 1B O8SYS taking the top spot.

Fun was had by all, and everyone is looking forward to trying their best to win the next "Scramble to the Hole!"

## Upcoming Events from EngSoc

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
27	28 Federal Election Day	29	30	1 Canada Day (Stat Holiday)	2 WEEF Proposal Deadline	3 Canada’s Wonderland	<i>Check out the many sign-up sheets now posted on the Orifice door.</i>
4	5 Candidates Forum SFF Debates	6 EngSoc Election Taleng	7 EngSoc Meeting #5	8 Genius Bowl	9 Semi-formal	10	
							<i>Don't forget to vote!</i>



## ENGINEERING SOCIETY ELECTION SPECIAL

### Candidates for VP Finance

*David Johnson*  
3A Systems

Dear Waterloo Engineering, In the immortal words of the Beatles: , "Your lovin' gives me a thrill, But your lovin' don't pay my bills,". I am here to pay the bills. I am your man for VPF. Spirit, enthusiasm, involvement, and the capacity for hard work are just some of the characteristics I possess and intend to bring to the position of VPF. My experience for the role originates in my keen interest in finance. I was my high school's Student Council Treasurer. I am the current EngSoc Director of Finance and have been for the past 3 terms. I am also B-Soc VPF for the Ontario Engineering Competition 2005 being held here at UW.

But don't get the wrong idea, I don't only like sitting and managing dollar signs. I also have a lot of other EngSoc experience. I've been an actor in 5 EngSoc plays, I have held multiple directorships other than

*Greg FitzGerald*  
1B Mechatronics

Do you like ice cream? Of course you like ice cream, after all, who wouldn't? The question itself is like asking 'who's the best choice for VP Finance in the upcoming EngSoc election?'

As a quick biography - my name is Greg FitzGerald, I come from Tillsonburg, Ontario, (and I live in a van...down by the river). Here at Waterloo I am in my 1B term in Mechatronics, and am looking to get involved in all that EngSoc has to offer. In High School I developed a great interest in extra-curricular activities, acting as the Prime Minister of my Students' Council, being a member of many sports teams, and heading up groups such as the UN club and Grad Council.

But enough about me, let's talk about you - the UW Engineers. We all know that 'you can, you can, demolish forty beers' - but in what fashion? Without appropriate events, engineers don't have the ability to portray this seemingly natural talent. And

*Christopher Olekas*  
1B Computer

Welcome to the 2004 Spring elections for the 2005 Winter term. Hi, my name is Christopher Olekas, and I will be going into 2A Computer Engineering. I want to be your next VP Finance. You might have seen me around before; I tend to hang out in POETS and the Orifice because this term I'm the POETS programmer, and EngSoc Athletics director. Also, I'm the EngSoc class representative for my class, who proudly goes to EngSoc meetings to get informed and partake in the relevant discussions regarding what happens with that \$14 contribution you make every term.

I want the position of VP Finance because this is where I think my talents would be best put into place. Some people say I'm inexperienced, I say I'm innovative! Having to go through the hassle of submitting budget proposals and receipts for reimbursement, I thought that a lot of this could be automated. I'd like to propose shifting the current method of getting reimbursements online. Online budget proposals will be a fast, efficient way for me, as your new VP Finance, to quickly tabulate a working

finance such as class rep adviser and co-director of etiquette to name a few.

VPF is often considered a maintenance role involving balancing the books, designing the budget, and making sure that cheques are written and everyone is reimbursed and happy. I promise that I will perform beyond the expected core duties of the VP Finance, and bring new ideas to the EngSoc Executive. There are also a few goals as VP Finance I would like to see accomplished:

- 1) Increase availability of financial information by publishing it on the EngSoc website.
- 2) Create a record structure to keep track of all EngSoc Assets for insurance purposes.

Some might say that VPF is a dull job. Well duh, but I am a dork and I like money; especially other peoples' money. Granted I won't own any of this money, but I can pretend like I do.

On a more serious note, I know I have what it takes to do this job and do it well. Thank you for your time.

Yours in prosperity,  
Dave Johnson

without appropriate funding, these events cannot take place, teams cannot be sponsored, and in general EngSoc cannot promote the number of causes to which we are dedicated.

As VP Finance I will be committed to making sure EngSoc funds go where they are needed most. I have experience controlling accounts for a variety of councils and teams, and know the importance of well-thought-out spending. Students aren't rich - especially students paying an engineer's tuition, so it is important that your money is used effectively.

Interested in what others are saying about Greg FitzGerald as VP Finance?

Mr. T - "I pity da foo' who don't vote Fitz"

Rich Uncle Penny Bags - "Vote for Fitz, vote directly for Fitz, do not pass GO..." (he started rambling on so we cut off his mic)

The Fonz - "aeyyyyy," which I believe was an acronym for "VP FinAnce, vote GrEg, YYYYYYEs!"

So there you have it - if my vote is good enough for the Fonz, don't you think its good enough for you?

budget that hopefully everyone will be happy with and post it so that people can stay informed. The EngSoc website is an untapped resource when it comes to you knowing what happens with your money.

I'm excited about running. My fellow class rep, Evan Murphy, and I have worked hard to educate and motivate our class to participate in EngSoc events and so far I believe we've succeeded. With over 10 directorships, and 20 people participating in the recent Vince week, I know I'm able to keep people interested and motivated about EngSoc. As VP Finance, I hope to motivate and inform engineering students at Waterloo about how their money is being put to a good cause and that we're here for you, the student. An informed electorate makes smart decisions, voting for me for VP Finance will be one of those decisions. Those who don't readily participate in the events held by the Engineering Society miss out because they think that their \$14 doesn't benefit them. They're wrong, EngSoc is here as a resource to make your life at Waterloo easier.

My name is Christopher Olekas, and I will be your next Engineering Society Vice President, Finance, but only if you come out and vote for me on Tuesday, July 6th.

*Claire Rutherford*  
2B Civil

Hi, I'm Claire Rutherford, currently in 2B Civil Engineering and working hard to get the Iron Ring. I'm currently involved with the Engineering Society as the Women in Engineering director and the Taleng director. I've also been involved for several terms with the Engineering Society participating as a class rep to a director. I believe my past experiences with the Engineering Society, are a great asset for this position.

When dealing with money, organization and responsibility are the two most important qualities. I am responsible and organized enough to take on the task of managing the funds and setting up a budget for the Engineering Society. As Vice President Finance, I will work hard to ensure that funds are allocated appropriately, and reimbursements occur in a timely fashion.

I understand that this is a long-term position, which I am ready to commit to. The Vice President Finance position is something I know I can handle successfully.

### All About the Election

EngSoc elections are upon us. In a few short days, you will be choosing your next five EngSoc executives, and the WEEF director. Voting day is Tuesday, July 6th. Voting will take place in the CPH Foyer from 8:30 am until 3:30 pm. All engineering students who have not taken back their EngSoc fee this term can vote. To vote, just show up on election day with your Watcard. The election results will be announced to the general public during the EngSoc meeting on July 7th.

In addition to the class visits, there will be a "Grill the Candidates" Forum held in CPH Foyer at 11:30 on Monday, July 5th. It's your chance to put the candidates on the spot with the pressing issues that affect you.

With the number of nominees, this promises to be a great election. Read on to hear from each of the candidates about their platforms.

- Grant Holohan, CRO

### Candidates for VP Education

*Michele Heng*  
3A System

To the most beautiful and intelligent voters that this Engineering Society has ever had the pleasure of serving, I am your most humble servant. Before I introduce myself, I would like to thank you for taking the time out from what must be a most hectic term and reading this article to be better informed about the prospective individuals who will be representing you as an esteemed engineering student of UW. Secondly, I would like to recognize the soon-to-be former VP Education (B-soc), Emma Bardon, and applaud her excellent efforts along with her fellow exec members who have done an outstanding job. Finally, I would like to commend my fellow opponents (if any), as they too are worthy candidates and I am privileged to be among them. Having said that, allow me to proceed.

My name is Michele Heng. But from now on, please call me Quiche - a respectable gourmet delicacy that takes time to prepare but its product is perfection. Muah!

My task, which I am trying to achieve, is, by the power of democracy, in the words of Joseph Conrad, to make you hear, to make you feel - it is, above all, to make you see. Before you are exceptionally capable human beings whom are competing for the

ultimate job of being your servant. We are here to represent the University, the Society, but above all, you, the Individual. All of us, no doubt, would do a fine job. All of us no doubt would kneel to kiss your feet or for that matter, any other body part that you so desire. The question before you then is not who will do the best job but who do you want as the person to do the job - to serve you and represent you to the engineering community at large. Who exemplifies your thoughts and feelings on the way that our Society should run?

Respecting that our Society is a myriad of people from different cultures, with different aspirations and priorities, I can see one commonality amongst all of its individuals. That which binds us all at the hip is our education. No matter what we like or dislike, as engineering students at the University of Waterloo, we have a responsibility to maintain our education at the highest level possible. To reap the benefits of our money and time invested. To do so means we cannot sit back and be idle. Action is not only required to improve our quality of education but in fact continuous action is necessary to even maintain a steady equilibrium. Then the job of VP Education is clearly to continuously voice the concerns of the engineering student body to the stakeholders of our education and demand action. If you would give me the privilege, it would be my pleasure. Vote Quiche!

related to improving student conduct and awareness in a work setting.

As your future vice president of education, I will continue in these endeavors, while ensuring that students' opinions are taken into consideration. I would also like to see course critiques from other faculties made available online. With this option available, you will be able to view course critiques from arts classes, environmental sciences, and other faculties so you can better chose your electives.

Along with this, I hope to work with the VP internal to improve the frosh mentoring process, allowing first year students an easier transition. There are several other pertinent issues which I hope to see through, along with the ones already mentioned. If chosen, I will be a diplomatic, yet firm representative of you, the students, to the administration.

*Ken Hanes*  
3B Environmental

As a third year environmental (civil) engineering student, I've been around the school long enough to know what needs to be done, and what I have to do to accomplish it. Within the past year, you may have seen me during frosh week as a member of EDCOM, running athletics events, taking over in the Orifice during lunch, or just lounging around in POETS. Some of you have likely witnessed my good sportsmanship while losing at foosball.

Emma Bardon, the current vice president of education, is presently involved in making course critiques available online. She is also designing and setting professional development courses which are

ENGINEERING SOCIETY ELECTION SPECIAL

**Candidates for President**

*Paul Paquet*  
2B Civil

Hi, my name is Paul Paquet; I am a 2B Civil Engineer. I am currently one of your Athletic Directors and one of your TSN-EOT Video Directors. I am also an Engineering Society Representative for my class.

Becoming President is a lot of responsibility. I do not think that becoming President will be an easy job, but I also believe that my years of running my high school student council and my involvement with the Engineering Society has prepared me well for the responsibility ahead.

I am very involved with the Society and have held at least two directorships every term since 1A. I've attended and/or organized most Engineering Society

*Karim Lallani*  
3A Systems

Are you tired of seeing the same EngSoc events being held every term? Do you feel that only a select group of people participate in EngSoc events? Are you intimidated to make use of the EngSoc facilities and services, including POETS and the Orifice?

I'm running for President, because I'd like to address these issues by making some changes to the Engineering Society. While keeping most of the EngSoc traditions alive, I'd like to start some new traditions by introducing fresh and exciting ideas. I want to elevate the UW Engineering Society to another level.

As one of the charity directors this term, I've raised the bar for the directorship. For the first fundraiser of the term, I

*Amy Gill*  
3A Chemical

Hello. My name is Amy Gill. I'm a 3A Chem Eng student and a candidate for president. I'm one of four novelties directors and am involved in the engineering play. Over the past few terms I've been involved with the play, as well as being a special events director, and frosh leader. Being involved has been a great experience for me.

The president of the engineering society must be a responsible, dedicated, motivated, ambitious and trustworthy

*Jeff Alfonsi*  
3A Systems

I must start by recognizing the exceptional job Josh Levitz did as president. He has been a magnificent role model for me.

Now, drum roll please....the cheesy introduction:

- Happy Days,
- Can occur in various ways.
- And of course,
- Phonebooking is one such source.
- But Simon Says,
- To vote the Fonz for pres.

My name is Jeff Alfonsi, and I'm in 3A Systems pursuing options in International engineering and biomechanics. Currently I am the Vice Present, External, where I have had the opportunity to attend conferences across Canada, network with other univer-

sities throughout the world, learn how these Engsoc operate, and play some wild-on drinking games! I hope to use these experiences to help me lead the engineering society as president. My goal is to be an open, approachable, dedicated, trustworthy, and honest president of the engineering society.

I have five main objectives to turn the fun knob up and the suck knob down:

- Maintaining the existing state of the Engineering society and increasing turnout to events
- Improving and expanding the relationship between the dean and the students
- Developing inter-university and inter-faculty relationships via movie nights, semi-formals, DUSTED, and cricket tournaments (assuming we can get five consecutive days together)
- Fighting for cheaper tuition for non-

organized Vince Week, in support of the Canadian Cancer Society. While setting a huge goal of \$10,000, we managed to raise well over \$18,500, making this one of the most successful charitable fundraisers, in the history of the engineering society. If I were to tell you one month ago that I was going to organize an event where over 150 engineering students were going to shave their head and over \$18,500 would be raised, you'd think that I was crazy. But, I turned my vision into a reality, and gave the engineering society the respect and positive publicity it deserves within the local K-W area.

I'm not going to bore you and tell you about every directorship I've held and why I'm the most experienced candidate. I'm up against three excellent candidates, and all of them have been as heavily involved in EngSoc, as I have been.

So, you're probably wondering what individual with progressive ideas and the ability to maintain a productive society. The single, greatest responsibility of the president is to represent YOU the engineering student body. The president must work with the other executive members to provide options for academic and personal advancement through courses, seminars and extra-curricular activities. Your president is your connection to the administration and needs to always have your best interest at heart.

As president I will work with the executive committee to have the best representation for our students at the faculty level, university level, and in the greater engineering community. It is essential for the president to be an available, open-minded individual working to improve communication between all students. One way I will achieve this is by being regularly available in the Orifice and by attending the great events put on by EngSoc each term. In the past I've had lots of fun at the OTs, the golf tournament, B\*\*5 bowling, beach days in POETS, TalEng, explorations, semi-formal, charities activities and many others.

I take pride in being an engineering student at UW, and will work hard to maintain and improve our faculty. So, on July 6th, vote Amy for president!

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**Candidates for WEEF Director**

*Mike Spendlove*  
1B Systems

If you're like me, you probably heard 'WEEF is GOOD' uttered countless times in your orientation week. (Actually, if you're exactly like me, you probably thought at first that people were saying 'BEEF is GOOD' and assumed it was some new slogan to fight fear of mad-cow disease.) Regardless, WEEF is a great and beautiful thing that donates over 100,000 dollars each year to enrich the education of engineering students, which makes it all the more strange that some people seek to discredit its noble reputation and purpose. If I am elected WEEF Director, I will reverse those negative images, make all engineering undergrads aware of how

fresh ideas I have and what I'll do differently. The main concern that I have with the Engineering Society is that it has turned into a big clique, where only certain groups of people show up to the main engineering society events. Some people even label EngSoc as a cult. As president, I'd work hard to get rid of these stereotypes and misconceptions, and try to improve participation at EngSoc events by custom-tailoring our events so that a wide variety of people would participate. I'm a very approachable person, so I'd be open to suggestions for any ideas that you have for events. As president, I would want to keep the lines of communication open with the other faculties, so that inter-faculty events could be planned as well.

If you want a proven leader with a vision to take the UW Engineering Society to another dimension, then vote for Karim Lallani on July 6th.

neering community. It is essential for the president to be an available, open-minded individual working to improve communication between all students. One way I will achieve this is by being regularly available in the Orifice and by attending the great events put on by EngSoc each term. In the past I've had lots of fun at the OTs, the golf tournament, B\*\*5 bowling, beach days in POETS, TalEng, explorations, semi-formal, charities activities and many others.

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much WEEF provides for them, and increase the amount of funds that are provided to students each term.

Since its inception in 1990, the Waterloo Engineering Endowment Foundation has grown to over 5.2 million dollars. It currently provides a total of 35,000 dollars per term to a range of educational initiatives. Teams like Midnight Sun, Concrete Toboggan, Mini Baja, UWAF and Formula SAE employ engineering students from all departments, and each one depends on WEEF for consistent and significant financial support. All engineering classes, from 1A to 4B and from Chem to Systems, benefit directly from WEEF grants; they use department-specific equipment such as digital oscilloscopes and shared resources like the machines in the student shop. Furthermore, the foundation's donations are managed by students through the WEEF class reps, not the Dean of Engineering nor any UW staff. It is a transparent, democratic and proven method of enriching our lives and education at Waterloo, and as WEEF director, I will continue this success.

Considering the enormous impact of WEEF funds, my first pledge is to raise the profile of the foundation so that all engineering students can see exactly where their contributions go. A regular display of WEEF-purchased equipment, photos on the WEEF website and an updated promotional video would be a great start to this campaign. In order to make the proposal system more universal and accessible, I want to survey those who feel that WEEF funds don't directly benefit them. Furthermore, subject to the approval of the WEEF Board of Directors, I would like to encourage an increased amount of WEEF funds available for proposals, so that more student initiatives could benefit each term.

The role of director is certainly not an easy one; however, I promise to use whatever time is necessary to keep WEEF going strong. If any of you have any questions or share my visions for WEEF, feel free to email me at mospendl@engmail. In this time of sponsorship scandals and 500 billion dollar deficits, WEEF represents the epitome of financial democracy and sustainability. Let's give it the credit it deserves: WEEF is GOOD!

*Chris Pieneman*  
2B Civil

Hello, I am Chris Pieneman, I'm in 2B Civil and am running for WEEF Director in the upcoming B-soc general election. In addition to not having ever taken back my WEEF fee, I am an active WEEF volunteer this term having helped organize a "How-To Seminar" for obtaining WEEF funding which happened on June 21. As a candidate for Director of the Engineering Endowment Fund, I cannot pledge to change how WEEF works nor can I pledge to stop the refund madness as these are not realistic goals. However, that which is realistic is my pledge to show the Engineering Student body where WEEF has done good things as most of us don't really know where the funding goes. I also pledge to continue to keep WEEF accountable to the stakeholders - which is all of us, and to put my every effort into promoting that the fact that WEEF IS GOOD.

## ENGINEERING SOCIETY ELECTION SPECIAL

## Candidates for VP External

*Sharon Attwood*  
2B Civil

Hello there! Some of you might know me already but for those of you who don't, my name is Sharon Attwood. I'm in 2B Civil and I'm running for VP External. I believe a good VP X candidate must have the skills and qualifications to best serve both EngSoc and the students.

Some of these include being familiar with the responsibilities, being approachable, and being familiar with the manner in which conferences and competitions are run. I feel that I meet and exceed these qualifications. I have attended the First Year Integration Conference, Ontario Engineering Competition, Canadian Engineering Competition, and I am a delegate for the ESSCO Annual General Meeting later this month. I am

*Chris Fairles*  
3A System

Have you ever met a guy to whom you couldn't relate, and yet he represented you in inter-school debate? Well let me tell you a story about my situation, and I'm sure you'll see my point without a slight hesitation.

I'm in the SYaniDE class, in the year of 3A, with 2 more years to go (that's a lot of Bomber Wednesdays). So I bet you're all asking, "My! This boy can rhyme, but I wonder what else he does when he's got tons of spare time?" Well let me tell you this. Most of my spare time is packed because I play organ in two bands, Velocet and the Smokestacks. If drama's more your style then I've got a play for you to see. The EngSOC play

*Christina Waters*  
2B Chemical

\*\*\*\*\*HOLEY MOLEY!!!  
LOOK AT THE NEW GIRL!\*\*\*\*\*

I jumped into the Waterloo Engineering program in 2A as a transfer student from RMC, and for those of you who don't know, RMC is the Royal Military College of Canada. Well, one thing is for sure, Waterloo is definitely a nice treat. My nick-name from my 2B chemical engineering class is "army", and let me just say that I organize everything to the max. Here are but a few examples: I organized my lab group's duties in a rotation, Team Halifax from UWAFI knows how I like to organize my meetings, and my KKG girls know how I like to arrange for our social activities. A fresh perspective on external EngSoc issues is my cup of tea! I have a lot of experience working with other organizations and universities while I attended RMC. When you are stuck on a peninsula and you can see Queen's from your window and there is one girl to every four guys; external events for RMC (with Queens Girls, to even the ratio) were desperately in need of planning (Sausage anyone?). Mixers, fundraisers, joint activities and charity events were always in the works. My favorite external engineering event was a Montreal based conference with the participation of multiple universities, and let me just say, "On your mark, get

also co-chair of the organizing committee for the Ontario Engineering Competition. Since a large portion of the responsibilities of the VP X have to do with conferences, I think that this experience is integral.

Another responsibility of the VP X is public relations. I will do my best to inform everyone about every great thing we do. I would also like to explore ideas to rejuvenate the Bridging the Gap lecture series. I've been involved in EngSoc since I started university. I even shared the Paul Harlik award with my class co-rep in 1A. Having held directorships, been a frosh leader, and participated in countless events, I feel that I will appropriately represent the majority of students. I'm running for this position because I believe I have the ability to be an excellent VP External. On July 6th, come out and vote for Sharon Attwood for VP External.

this year which is half-directed by me. I've done acting in the past, and I suppose that I could sing. Although you might not want to be around me if you know what I mean.

Now the question remains, why do I want this position? What qualities do I have and what exactly is my mission? Well I'll keep it simple. I'm an outgoing guy who would like to represent us with the powers up high. Either conferences or meetings with all societies at school I'm confident that your issues will be heard and not ridiculed. So that's all I have to say for now and I hope you enjoyed the read cause its freaking hard to write like this though now it's a done deed. And if you have any questions, ask me them anytime, except Wednesdays nights 'cause the answer you get, well it won't rhyme ... that's for sure.

set, problem solve!!"

If you can't tell already, I am running for VP EXTERNAL, and I feel I am more willing and able to do the job than any of the other candidates. As the NEW KID.....on the block (Hanging Tough).....I have an inside perspective on how other universities like to organize themselves, based on my previous experience. My broad network of friends from other universities in the engineering program could sure help us have more fun!!!! DID YOU KNOW that the nautical skills of those other engineering societies are not as impressive as the mighty Waterloo Warrior's? AND we could hold a D.U.S.T.E.D or SCUNT with the other universities' EngSoc, while having a little nautical fun on the side?? Let the competition begin.....okay, now to the nitty gritty, so I have all of this experience outside of Waterloo, what do I know about how Waterloo works? Well, let me tell you!! I am one of the charities directors this term and I have summarized that in a phrase: Vince Week! and thank you so much to all who helped!!! I am also the VP Finance for Chem EngSoc, so I know how to spend money! Quoting Homer: "Well, it looks as if everything is rolled up in a nice little package then, hmmm?!" Yes Homer, yes it is.....and for those sleepless nights, when nothing else comes to mind except, "when does work term start again?" think:

\*\*\*\*\*CHRISTINA WATERS  
VP EXTERNAL\*\*\*\*\*

## Candidates for VP Internal

*Evan Murphy*  
2A Computer

Hi, my name is Evan Murphy, I will be going into 2A Computer Engineering and I would like to be your EngSoc Vice President Internal next term. You've probably seen me around POETS or the Orifice or the Novelty shop. I've also been known to make Wednesday night appearances at the bomber with a mullet.

That being said, I feel I should tell you why I want to be your VP-I.

I believe the most critical part of any Vice President Internal's job is to make sure that every paying member of the engineering society is encouraged to participate in as many EngSoc events as possible. Being the EngSoc representative for my class for the past year, I know all about trying to motivate people to get involved in EngSoc events. During this time, my class has surprised many people by its participation, including 15+ directorships and over 20% participation in Vince Week. I also received the 'psycho frosh' award for most spirited frosh during frosh week 2003. As VP-I, I feel I would be able to encourage a higher participation

*Andrea Rayner*  
2B Chemical

Why should you choose me for VP-Internal?? Well, why not!!!! My name is Andrea Rayner and I'm in 2B Chem. I've been a charities director for the last two academic terms, I've been a class rep for pretty well everything since the get-go, and heck, I'm the VP-Internal for the Chemical Engineering Society. I like to think that I'm an easygoing person, and I definitely know how to have fun. With me as VPI, fun times are guaranteed for all. I've had plenty of experience with leadership and organization. I was a manager for a certain fast food restaurant (would you like that Supersized?). I've helped run events at camps through

*John Olaveson*  
2B Civil

On the heels of the Federal Election comes the EngSoc elections. I strongly encourage everybody to vote for both (where applicable).

I have two main goals to achieve as VP Internal. The first is to expand awareness and participation in EngSoc events among all of the undergraduate students. The Society is doing a good job of this right now, but many in the engineering population remain apathetic to EngSoc and its events. The second goal is to organize more events throughout the semester. Nothing chases away the lingering bitterness of a lecture than a good activity. Some early potential events include chess tournaments, design competitions, and a

level from all members of the engineering society.

In the past year I have thoroughly enjoyed working for the engineering society. I have held three directorship positions, and through these I have gotten to know many people within society. I have been director of the Santa Clause parade float, and this year I am one of the novelty directors, and director of Canada Day festivities.

My first goal as VP-I would be to work with my directors to improve inter-faculty relations, by organizing better activities that would attract a wider range of participation than previous events have had.

In closing I would like to encourage each and every one of you to vote in both the EngSoc election and the upcoming federal election. Your vote is your opinion as to who would do the best job in the position and it is very important to exercise your right to vote. This is your society, and if I am elected, I will be working for every one of you to try to make your EngSoc experience the best that it can be. So when you vote on Tuesday July 6th, vote Evan Murphy for Vice President Internal. Thank You.

Scouts, and just recently helped with the organization of Vince Week. For the upcoming terms, I would like to see old traditions continued (a little bowling anyone?) and new ones started (think, water sports by E2), but most of all I'd like to make sure that everyone has the chance to get out and have a good time. As for the business side of the position, I have no qualms about making sure the meeting minutes are coherent. I've had some really great times and made some really awesome friends through EngSoc and I genuinely would like to give something back (but not the friends). I would like to get the chance to make sure everyone can get involved, and more importantly that they feel comfortable doing so, even if it's just coming out and playing a little Frisbee. And remember, Think Pink.

Phonebooking Team. And I'm always open to suggestions. I want to have something for every Waterloo Engineer to enjoy.

Since 1A I have been involved with EngSoc and WEEF. As class WEEF rep, I've been part of the decision-making process that lets WEEF money improve our labs and classrooms. I've been involved with organizing EngSoc events, like B\*\*5. I've been on the staff of the Iron Warrior for two years. As Editor-in-Chief, I've learned what it takes to coordinate people and resources to produce a quality publication. The job takes many hours per week and demands late nights. I will show the same dedication to my work if elected as VP Internal.

The most important thing about the election is to vote on July 6 in the CHP foyer.



## Vote!

**Elections:**  
Tuesday July 6, 8:30 - 15:30, CPH Foyer

**Candidate's Forum:**  
Monday July 5, 11:30, CPH Foyer

ARTS CORNER

Honeywell

by Rahul Bhardwaj, 3A Electrical

My love for you is immortal and there's no denying,
You're the sweetest thing to me and I am not lying,
Even Honey Dew immortal cannot hold,
The sweetness of your love that drips when your wings unfold

Tread softly my love,
My dreams I offer as your path,
For even if you don't walk with me in life,
You still tread on my dreams, you still walk on my back

Your Halo keeps slipping down,
Precious, I am here,
Restoring that beautiful crown,
And even if you don't love me, I do love you Dear.....

And I lay down my love at your feet,
Bathed in your sweetness dripping,
Tread softly Angel, for it's that taste so sweet,
That gives me a reason for living....
That keeps my mind from ripping.....

Hell is love and the pain is your touch,
Bleed me down like rain,
Let me drown in your love, let me forget my pain...

Say Hello and keep me in your light,
Stay with me, clouds so deep and cold
Dressed, so pure, in white
Let me drink, the sweetness of your love that drips when your
wings unfold

Bludgeoning Branta by Matt Strickland

O Canada Goose,
Hissy winged terrorist.
My lunch m'ney is yours.

The Unpublished Grimms

Quoc Huy T. Le, 4A Electrical

All day and all night i sit trapped in this cage.
I'm forced to eat.
My sister is whipped in return for her toils.
She gets no food.
We're stuck in this dungeon like fish in a bag,
Oppressed by an evil decrepit old hag.
I think she means to kill us.

We could have avoided this situation
Had i planned first.
The birds don't ignore any crumbs on the ground.
It's all my fault.
Imprisoned and laying on top of old bones
Because i ran out of those tiny white stones.
She looks at me and drools.

So helpless and weak this old bat had arrived.
She seemed harmless.
She fed us and clothed us and gave us a bed.
It was heaven.
But then, when we woke up, our dream dissappeared.
The woman grew fangs with two horns and a beard.
She got real fat as well.

She walks with the crash of a four-storey house.
I am afraid.
She weighs like a hippo with twice of the ugly.
I cannot flee.
Oh why did we munch on her house made of bread?
We could have had nothing but berries instead!
Now our lives are forfeit.

The sound of her crackling voice asks for my finger.
It fits not through.
The cage i'm in seems to get smaller and smaller.
I lend a bone.
I hope she assumes that it's me in that stump
So she won't find out that i've grown really plump.
I'm glad she falls for it.

"Boy! why do you take so darn long to chub up?"
She sounds angry.
"No matter, i'll eat you tomorrow regardless.
i say, "up yours!"
This witch can't see well and so she's not aware
That my middle finger is up in the air.
My tongue sticks out at her.

"Girl! see if the oven has adequate fire!"
My sister says,
"I do not know how, can you please demonstrate?"
A clever plan.
"You stupid girl! does this small task have you beat?
I'll show you exactly how you test the heat!"
The crone leans near the flame.

Aha! here's her chance! my sis runs and then tries
To burn the wench.
The sorceress' ass is to big for the oven.
So she survives.
"You think you are stronger and smarter than me?"
She says as she strokes her horrific goatee
And chucks her in the fire.

Towards me she walks as i sharpen a bone.
Unlocks the cage.
I jump out and shove it right into her ear.
She wails in pain.
For killing my sister i watch her ass fall.
And then i bust out through her gingerbread wall,
Then run towards the river.

A white duck is waiting for me at the bank.
I hop on it.
And little by little it swims me across.
We're halfway there.
I'm thinking that my idea wasn't so great.
This poor duck is sinking because of my weight.
I guess i'm gonna drown.

TechBytes
Web browsers

Too Many Browsers?

Those who say that the browser war is over and IE won are living in the past. Helped by the development of the Mozilla project, the popularization of graphical Linux, and the revitalization of MacOS, the number of respectable browsers has been growing admirably. Internet Explorer has not been updated for years. On the other hand, the browsing suite Mozilla is undergoing weekly new testing releases. Due to its open-source nature, its reliability and performance are rapidly being improved, with the latest stable version 1.7 claiming to have halved its loading time.

The browser that has seen meteoric rise in installation base on all platforms is Firefox, a light version of Mozilla. A cult product just months ago, Firefox is rapidly gaining wide acceptance because of its speed and small size. With its recent 0.9 release, it is approaching its first official release quickly. A variation on Firefox, called Camino, is available exclusively on Mac. Then there's always Opera that persistently claims to be the fastest. Linux users are happily surfing away on Konqueror, with an official Apple version called Safari installed as default for Mac. A quick check on Download.com yields 113 different browser products. The excitement is building up so well that Netscape is ready to get serious again. Let us also not forget the eternally reliable Lynx and Links.

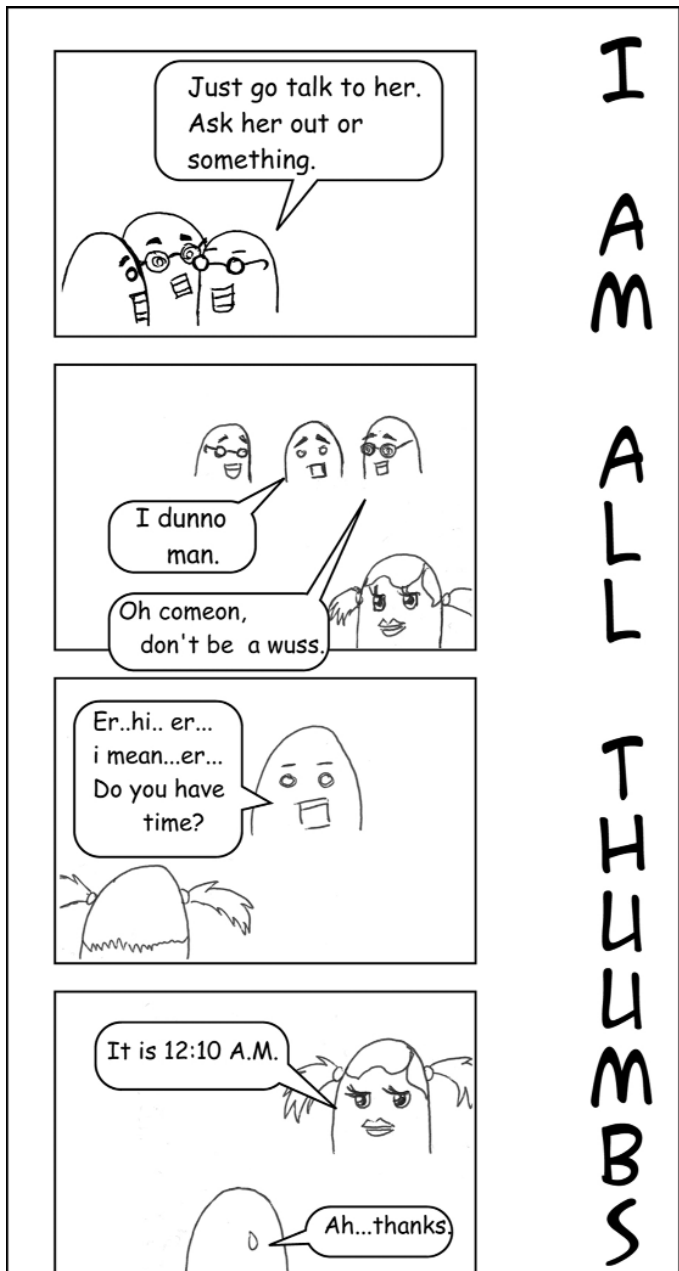
Where is the aim?

AOL recently announced that they have figured out a way to allow voice- and videoconferencing through their extremely popular instant messaging client, AIM. Despite similar functions that have been offered for free by competitors Yahoo! and MSN, and in Mac by iChat, AOL believes that there is a business market that would be willing to pay 15 cents a minute for a voice call, and 33 cents a minute for the video capability. Another sign that AOL is leaving free-loading home customers to eat dust and focusing more on enterprise customers is their decision to stop displaying pop-under ads before 7 PM.

Just days after, Yahoo! announced that it can no longer cope with the support demands of corporate customers, and decided that it will no longer distribute enterprise versions of its instant messenger. It seems like the two industry giants have very different visions. Only one can be right.

Want to show off your artistic side?

Have some poetry you'd like to share? Got any comics you doodled during calculus class? Submissions are always welcome at iwarrior@engmail.uwaterloo.ca, or in the Iron Warrior mailbox in the Orifice.



This actually happened to me but not at a bar. I tried to ask a girl if she had some free time and she actually just gave me the time. Crap indeed!

## Columns

## A Non-American Ending: Review of Anil's Ghost

Elisa Zhang

Co-op student



With all the arguments about war flowing around the air recently, I decide to read some books about conflicts within some third world countries. It is under this circumstance, I have picked up Anil's ghost by Michael Ondaatje. After I finished reading this Governor General Award winning piece, I was deeply disturbed by the harsh reality that exists in these countries. Not every story has an American ending, in which the main character leaves the trouble-land and his problems by plane. Being a citizen within the trouble-land, they have nowhere to escape. What do they do?

The story takes place in Sri Lanka with the country's bloody civil war as background. Anil Tissera, a woman that was born in Sri Lanka but was educated in England and the U.S., was sent by an international human rights group to investigate a possible massive political murder in her country. An archaeologist is assigned to help her investigation by the Sri Lanka government. Is he an enemy, or is he a friend? On Anil's journey of discovering the mystery behind the skeleton she found, the cruel reality has revealed itself. It is a dangerous journey to find friendship, trust and identity and face the love, the loss and the unknown enemy for this woman. This novel is full of richness of character, emotion and incident.

As the story unfolds itself through the flashbacks of different characters, a universal tale of the casualties of war, a symphony of loss and loneliness is told by a

group of strangers and ghosts. The bloody war, the suppressed voices, the ancient culture, the complex landscape all intertwined with each other to deliver this thought-provoking story.

Do not let the foreign culture of Sri Lanka scare you away from this book. Upon a closer look, the book is more about how people react to significant losses in life and their will to struggle for what they believe is right in the midst of fear. In this book, I see not only Sri Lanka, but also other parts of world – Africa, Yugoslavia, the Middle Eastern and South America. It is a serious book that makes your heart ache.

Author's other pieces are also recommended, *The English Patient* and *In the Skin of Lion*.

Ondaatje was born in Ceylon (now Sri Lanka) and attended U of T and Queens before teaching at Western and York.



## A Brief History of Engineering: GenE 100

Dan Arnott

1B Environmental



Quick! Name a famous engineer!

No, profs don't count, and neither does your boss from last work term. Or Scotty from Star Trek. Can't do it, can you? Or can you? If you can, name another. And another until you run out. Then name as many famous politicians as you can. Or comedians. Or musicians. Can you see what I'm getting at?

Engineers have had a huge impact on society, especially in Canada. But as students, most of us are oblivious to the huge role they played and their importance in not only the history of Canada, but the entire world. We could all benefit from a little engineering history, and many of us would enjoy it.

That's why I am proposing we introduce an Engineering History course as one of our required courses. This would fit nicely under our Group A requirements—the impact of technology on society. Ideally, this course would provide an overview of the long and illustrious history of engineers, focussing on the last two hundred years or so, wherein our profession grew and flourished as a result of the Industrial Revolution. It would teach us about historical figures, the evolution of common engineering methods and practices, as well as notable engineering triumphs and failures.

Of course, a course this focused and specific would probably require a textbook the likes of which does not exist yet, and a professor or instructor willing to

teach it. I'm sure that some faculty members would be interested in teaching such a course, and I'd consider writing the textbook if it would count towards my work report requirements. Since no such course exists yet, I offer you a hint, a taste if you will, of Engineering History 100.

The term 'to engineer' is believed to mean 'to be ingenious' - an 'engine' being an ingeniously useful device. By this definition, the first engineer was probably a caveman or woman who sharpened a stick, killed an animal with it, and dragged it back to POETS to eat. The Roman Aqueducts and the Egyptian Pyramids can be attributed to ancient engineers, although the slaves who took care of the construction complained only slightly less than today's contractors.

During the Middle Ages, Engineers were often learned men such as monks who designed siege engines and various instruments of war. (Anyone remember Junkyard Wars during Frosh Week?) The term 'civil engineer' was coined in the early days of the Industrial Revolution to refer to someone who did not design weapons, but focussed on more peaceful creations such as infrastructure, bridges, roads, buildings, ships and the newly developed steam engine, which marked the advent of modern engineering.

Oh, and by the way, I thought I'd name a few famous politicians, musicians, and comedians. Herbie Hancock? He's an engineer. Yasser Arafat? Civil Engineering, University of Cairo. Leonid Brezhnev? Metallurgical Engineer. Scott Adams- Computer Engineering. And of course, Rowan Atkinson - Electrical, Manchester and Oxford. And does anybody listen to Boston? You know, 'More than a Feeling'? The lead singer Tom Scholtz has a Master's degree in Mechanical Engineering from MIT.

## the Iron Inquisition

Tsu Chiang Chuang, 4A Computer

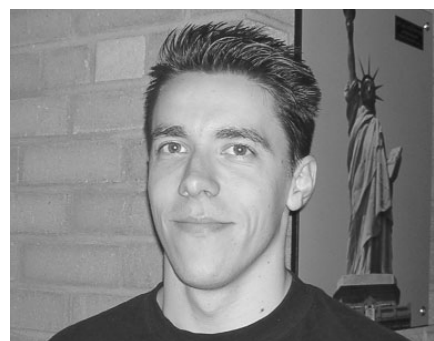
## How Did the Artsies Do Their HTML Resumes?



"Oh please! Why would they even need a resume, if there aren't any Arts jobs?"  
Shamor Paul, 2B Civil



"How am I supposed to know that?"  
Marie-Agnes Henry, Exchange Student (France)



"Most of them are using mine"  
Ryan Emmett, 3A Electrical



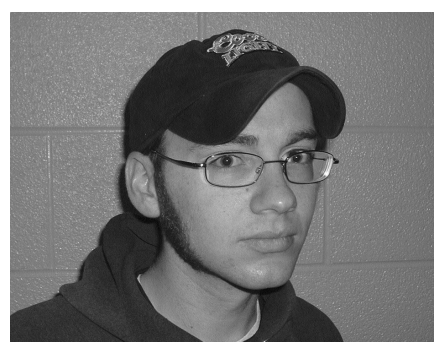
"Like the rest of us, on Netscape"  
Andrew Milne, 4A Mechanical



"I thought they didnt have a coop program, do they know that?"  
Won-Il Jun, 4A Computer



"They hired a computer engineer."  
Sung Hon Wu, 4A Computer



"They traded Musser a lapdance. Same way John Olaveson got his done."  
Dave "Sideburns" Girodat, 2B Civil



"We didn't even do that so how the hell did they manage?"  
Laura Swindall and Erica Waugh, 1B Environmental