



March 2012

Iron Times

The Official Publication of the Carleton Student Engineering Society

BRIEFS

Knights Of The Warbird

Greetings fellow denizens of C-Eng! Hopefully you have heard the name "Knights of the Warbird" over the last few days and are wondering like most... who are these mysterious people?

- Page 7

The People's Gun

It weighs 11 pounds. It has 13 moving parts. In the past 60 years, over 13 million have been manufactured. It kills 250,000 people each year, more than the atomic bombings of Hiroshima and Nagasaki. It is the Kalashnikov AK-47 assault rifle: the most successful firearm in history and the weapon that changed the face of modern warfare.

- Page 8

GNCTR 2012

So another year is over for those of us who anxiously wait for this event to happen. This year was once again filled with many stories that may not be remembered my many due to some liquid encouragement but that's why God created cameras.

- Page 14

Master (De)Baters

Mr. Speaker, have you ever wanted to be the very best? Like no one ever was? Was to catch them all your real test? And to train them was your cause? Well we can't help you with that, but we can tell you how we showed up and on two hours of sleep, hungover, and placed 3rd.

- Page 17

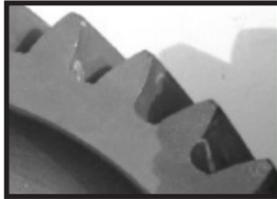
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Carleton Engineers Still The Best-Dressed



Warning: This newspaper may contain offensive material and should not be read by people who are easily offended. All opinions expressed within The Iron Times are solely those of the writers and contributors, and do not reflect the views of CSES unless indicated otherwise. This paper is jestful and satirical in nature and is not intended to be malicious in any manner.



EXEC REPORTS



President

Jamie "Invisible Man" Barresi
- SYSC IV -

Hey C-Eng!

I hope you had a relaxing reading week and that you are rested, recharged, and ready for the home stretch to the end of the semester. Here are just a few words on what I've been up to lately. Expect a call for two Town Hall meetings soon, one for elections and one to discuss potential changes to the Constitution, which we are hoping to ratify at the Annual General Meeting. I want to hear your input before we pass it all! To student group presidents: I will be arranging a president's meeting shortly after the AGM. Stay tuned for further updates.

Jackets are in. Finally, I know. But yes they are in, so for all those of you that have been waiting for months and months, come on down to the CSES office to pick them up. They're taking up a lot of space back here.

In closing, I wish all of you headed to CEC in March the best of luck! As always, if you have any questions, email me at president@cses.carleton.ca. If you're a keener, come visit me Monday and Tuesday mornings in the CSES office. Keep it classy C-Eng!



VP Academic

Matt "Soaker" Molkoski
- AERO III -

Hey C-Eng!

This is your Vice President Academic, here for another exciting update! Here in the land of Academia, life is good! Good luck to everyone on upcoming and ongoing midterms! Here at CSES, we have completed several events and have several more coming up.

Firstly, I must congratulate all our competitors at the Ontario Engineering Competition. Our delegation fantastic! Special mention goes out to our Senior Design team - Matteo Louter, Bharat Bhaga, Jean-Phillippe Caron and Jeremy Miller - as well as one of our Engineering Communications competitors, Gilles Messier. Both placed first in their respective categories and will be competing at the Canadian Engineering Competition in Vancouver in early March! I must also congratulate Trevor Irwin and Robbie Zuk, who placed third in Parliamentary Debate!

Secondly, I am pleased to inform you of our National Engineering Week activities. From March 5th to March 9th, CSES will be hosting events (both on campus and off) to help spread the word about Engineering to Middle and High School students!

Finally, we will be hosting a networking event, 'Interface', on March 30th, 2012. This event, being held in the Galleria, is an engineering-specific career fair, designed specifically to help you find jobs! So come on out, bring your resumes, and have a good time!

Thanks again, and - as always - please direct any academic concerns or complaints to concerns@cses.carleton.ca. I too can always be reached at academic@cses.carleton.ca.



VP Internal

Kevin "Assbeard" Atkins
- AERO III -

Hello everyone.

This is going to be a very busy month! First off, the General Elections are currently underway! You can find the candidates' election platforms in this edition of the Iron Times. An e-mail should have arrived in your Carleton Connect Accounts to let you cast your vote for next year's Council.

Also: PEWTER MUGS! If you are graduating, you can now order a Pewter Mug from CSES. The form can be found on the CSES website. You must fill out this form and bring it to CSES along with a \$50 deposit.

That's a brief summary of what is happening in the VP-Internal portfolio, have a good March!



VP External

Kristen "Dorothy" Jerabek
- CIVE II -

So this month, VP External has been spending a lot of time working on her transition and working closely with ESSCO and CFES. This is a very overlooked part of her job, and she has been putting a lot of effort in to get feedback from other schools, etc. This is what VP Publications has learned. Also, VP External thinks VP Publications is really super cool and is super jealous of her really good romancing skills with the RMC boys.

On a serious note, LAN #1 will be happening on March 24th. All-nighter that you choose to do for video games! Sometimes people make robot-sized cakes!! So you should probably go. Stop by CSES for more details.

More shenanigans from VP Publications.... VP External was warned this would happen if she didn't write her report on time...



VP Pubs

Caleigh "Paperbag Princess" Rutledge
- ENVE III -

March: my, you've arrived quickly! So, C-Eng, I hope your reading week was fabulous, that your exam schedule is beautiful butterflies, and that your midterms are not akin to giant crocodiles.

My work on CSES currently involves producing beautiful issues of the Iron Times at death-defying rates and helping potential VP Publications candidates figure out what's what. In your next issue of the Iron Times, we will introduce you to the new Executive. Please note that next month's IT might look a little different...

Until then, keep your coat buttoned (or zippered, as the case may be) and write me more wonderful articles! I especially love student groups, so feel free to send in an advertisement or something else pretty.



VP Services

Kristen "Hop Along" Van Den Tillaart
- MECH V -

This month, VP Services has been painting. Yup, I'm here to RUIN YOUR FUN. So I painted over the mural, because you vandals can't just paint stuff on our walls and expect us to leave it there. Dear Knights of the Warbird, this promotional message brought to you by VP Publications. Next time, why not hit up the tunnels? Much bigger ripple effect... just saying.

VP Services would also like to thank VP Publications for lending her shoes at OEC. She thinks that Pubs is a very wonderful person.

More changes to come this year, so keep your eyes peeled!! If you want to study somewhere quiet, or in a small to medium sized group, try the SGRC! You can book the room at <http://sgrc.engsoc.org>. Leo's Den is also quiet space over the weekends when EngFrosh isn't doing shenanigans.

And maybe more changes will happen next month, when Services writes the report instead of Publications!!



VP Social

Erik "Caulk Tease" Willis
- AERO IV -

Hello C-Eng! I hope you all enjoyed your reading week and are pumped up for exams! On a more exciting note, the Winter Volunteer Appreciation Party is coming up on March 22nd. If you have volunteered for CSES or Leo's, come out and get appreciated! Even more exciting, the day after is our grads' favourite day of the year, Ring Day! Please come out and help your older (or younger) friends celebrate being done!

Then my favourite event of the year is March 30th and this year CSES is proud to present Reflections at the Ottawa Convention Centre. We will be holding it in their premier ballroom, the Trillium Ballroom (read: full glass wall with view of downtown Ottawa). So ask your dream girl or guy and experience a night like never before! More details are available in CSES (2090 Minto), or just ask me around the halls or by emailing me at social@cses.carleton.ca.

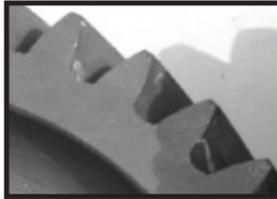


VP Finance

Emily "Lap Jumper" Lemay
- BIOM III -

Hey C-Eng, I hope you had an awesome reading week, but now it is back to school work and midterms. Since the last time you heard from me CSES has had Winter SGF where we distributed lots of money to various student groups. Every year a part of your CSES student fees go towards SGF so don't forget to take advantage of it and apply next fall and winter. Also, if you have any interest in the distributions they are available on the main page of the CSES website. As for everything else, things are going well so come out to the Annual General Meeting to hear more about the progress that's happening with the CSES finances.

Lastly, don't forget to vote!



EDITORIALS



Giving Presentations

Nolan "Pi" Hunder
- AERO V -

Now you'd think that an article about giving presentations would be written by Gilles Messier, but he was too busy winning the competition to take some time for us little people. So I will now step up and pass along some of my own experiences. I've learned several things during my years at University when it comes to giving presentations. First coming into University, the only thing I really knew about them, was that they scared me badly enough to nearly send me into a vegetative state. Now 5 years later, having given dozens of presentations between CCDP, 4th year project, various competitions, and other courses, I've learned a few things. Now being one who spent 3 years in speech therapy as a child, I cannot with any sense of integrity say that I'm a good presenter, but I can say that I'm now starting to get the hang of it. And having competed in the Communications category at OEC, I was able to watch some of the best presenters in the province who are still students. I have now compiled a list of the main points that have gotten me through all my presentations with passing marks:

1. Know Your Topic – One thing that could be said about all the presenters at OEC, is that they all knew their topics quite well. This ended up becoming quite important as, 3 of them gave presentations about the energy usage in Ontario in a row; which led to a question period where all of them tried to one up each other. Now assuming that doesn't happen, the main reason why knowing your topic well is the most important point, is that if you give a bad presentation, are unclear about something, forget something, or temporarily lose the audience, you can explain it afterwards during questions. Being able to answer all relevant questions also conveys that you know your subject. My personal philosophy when it comes to presentations: you should be able to explain any relevant topic to a 4 year old.

2. Make Sure Your Topic is Relevant – This is arguably one of the reasons why I didn't do as well as I could have at OEC. There were other contributing factors, but I did not express a viewpoint on anything, and now having reread the regulations, I know that I was supposed to. I was not the only one guilty of this, several others were not presenting technical topics, and one other also did not present a clear viewpoint. This point ties in to knowing your audience as basically, you should be presenting to the audience something that they came to hear about.

3. Be Careful Using Animations – Notice I didn't say don't use animations, as they can be used effectively. In fact, I used them in my presentation; specifically I used them only to have things appear on my slides that I didn't want people staring at initially. The worst use of an animation is to have something like an icon constantly moving, but not very important. The reason: your audience will be focusing on this, and only this, and therefore not paying attention to you and what you're saying. You can use them to demonstrate something, but only have it play through once or maybe twice if necessary. The last thing I'll say on this is that fancy animations of text or pictures entering the slides: I don't like them, but they can work. However if you're going to use them, make sure they're used sparingly and only for very important points.

4. Don't Clutter Your Slides – Slides are not meant to be works of art. They function as slightly more than cue cards. They give your audience something to look at and to outline what you are going to be talking about. Having a slide with only one bullet point is fine (though I wouldn't include the bullet point in that case), just don't spend too much time on it. Your slides should have only a few points at most and each should only be a few words long. You can spend a long time on the same slide, so you can elaborate on your short points. Also pictures: yes they are a good idea to include as they give something visual for your audience to connect to what you're saying. However too many pictures and again your audience will be focusing on them and not you.

5. Edit Your Slides – Wouldn't think I'd have to put this here, but yes, as this was an issue, even at OEC. Also, review them in general so that you know what is actually on them. It's not good if you start talking about something and then the next slide has a point about what you just have talked about.

6. Practice – Yes, this is common sense, so I won't elaborate on it, just do it.

7. Um, Uh, Um... – Everyone stumbles on occasion when giving presentations and I know most people don't practice or intentionally work "uhs" and "ums" into their presentations (there are exceptions). However, it's still something that many people don't realize they actually do, a lot. I'm one who, thanks to boredom at previous presentations, now notices when people say uh and um, and I can honestly say that taking the extra second pause to re-gather your thoughts almost always sounds better. I actually counted on a tally the number of times I heard someone say "uh" or "um" during the communications competition 30 minute presentations

(not including the question periods). The results were quite varied actually. To be fair, I had someone count mine as well, so I could potentially be equally shamed. And now the results: The top three teams were: 4, 0, and 43, I had 6, and the rest of the teams had: 132, 11, 22, 95, and 207. Draw your own conclusions.

8. Stick to your time frame – Most of the time, in reality, you will want to keep your presentations short so that you don't lose your audience. However, you will usually be allotted a certain amount of time - in which case, stick to it. This is how schedules are able to move along in a timely fashion. True that it is better to keep your presentation shorter than longer, but still keep to your timetable. If you have 10 minutes, use them. This was my second probably fatal mistake, I went over time, by 10 seconds, and I was likely penalized (they never gave me back my score sheet). But this was not nearly as bad as those who were under time by upwards of 10 minutes. Our timeframes were 27 to 30 minutes, which I think is a good way to structure presentations. Keep your presentation less than the allotted time, but within 3 minutes of said time.

This year I'm graduating, so I won't be returning to compete next year. But I do foresee many presentations in my future; as will be the case with many of you, so my advice is to get used to them. Keep them short, to the point, don't be overly flashy, know your audience, and know what you're going to say.



From: The Editors <irontimes@cses.carleton.ca>

"An editorial is a piece of writing intended to promote an opinion or perspective." We would like to seriously emphasize this definition (pulled straight from Wikipedia) and reiterate that these opinions belong to their respective author and do not necessarily reflect the opinions of CSES as a whole.

These editorials are meant to voice an opinion and not with malicious intent. In extension, none of the articles presented in the issue or this publication as a whole is not intended to be malicious in any manner.



The Iron Times is a free publication of the Carleton Student Engineering Society.
Submissions are welcome from articles

to photos, from news to entertainment to opinions, and everything in between. Anyone may send their submissions, complaints, questions and concerns to irontimes@cses.carleton.ca

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Thanks to all the writers that contributed.

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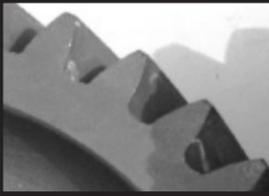
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NEWS



Amazing Engineering Feats

Trevor "Deep Throat" Irwin
- MECH III -



This is the Yamato. At the end of the gang-plank is a man; that's the ridiculous scale of this monster. Anyways back to this month's article.

Civils get a really bad rap - they round pi to 5, they build targets - but they create some of the most beautiful, most memorable, and most inspiring works of any engineer. I would challenge any Mech to make a machine that could run for five millennia, and since electricity is essentially black magic, and was invented less than 500 years ago, we don't need to hear from the Elecs, or anyone else for that matter. Brief history lesson: Civil engineers got their name from the Roman Empire. Any person who could build and operate siege machinery was called an engineer. When the term started also being used for building and road builders, they had to be differentiated. They were named "civil", the civilian counterpart to military engineers.

Now, we all have our own idea of what is the greatest structure of all time and we could list them for hours upon hours. However there are select few construction projects which have pushed the bounds of human engineering. One such project is the Confederation Bridge, which links PEI to New Brunswick. At 12.9 km long, the Confederation Bridge spans the Northumberland Strait: the cold shallow body of water separating Nova Scotia and New Brunswick from PEI. Every winter the Northumberland freezes over completely, which would shut down the ferry between the island and the rest of Canada.

The bridge was first proposed in 1988. After much debate and a referendum in PEI the project was approved and was contracted out to J. Mueller Inter-

national and Stantec. The fact that the Strait freezes every year presents a unique and immense challenge to bridge designers. As we all know, water expands as it freezes. This expansion would push against any pilings used to hold up the bridge and would very quickly push the bridge over. But that isn't even the worst part! Every spring and fall chunks of ice flow through the Strait; the collisions from the ice could take out bridge supports or even chunks of the road.

The solution: Conical shields around the pilings to protect them from the ice. This solution was unique in that it combined the defence against freezing AND ice floes, which had never been done before. While you may think the solution is trivial, it took almost five years of research before construction started. How the upgrade works is that any ice floe is directed around the piling without ever really coming into contact with the support. The expansion of ice is now directed up the shaft as opposed to against the shaft. Construction began October 7, 1993; the girders, supports and shafts were precast and the two approach bridges were constructed. In July of 1994 the section began being assembled using a one-of-a-kind floating crane and gantry system known as Svanen. Each pier is 250 m apart, meaning the 11 km main bridge has 44 support piers. The entire bridge was built in a series of "ripples," with the highest point - the navigation span - reaching 60 m above water to allow ship traffic. Another engineering innovation called post-tensioning was used to tie in the girders, beams, and supports making the bridge one continuous structure expected to last a century. Shortly before midnight on November 19, 1996, the last section was placed and tied in, marking the completion of the structure.

Tips from the Tundra

Caleigh "Paperbag Princess" Rutledge
- ENVE III -

Last summer, I was fortunate to work for an engineering company who were understaffed and stressed to the seams with large projects away from the main offices. While many were ducking it out in northern Ontario, I was chosen as one of the lucky few who would join the mad rotation of environmental monitors at Tundra Mine. Background: Tundra Mine is one of three mines that were mined for gold up until the 80's-00's. Therefore, the site is abundant in arsenal pyrite, and so my company was called in to take care of treating the water and removing arsenic. This camp is extremely remote: planes come in once a week with crew change and food, supplies, etc. The following are things I learned while in my 3-week rotation.

1. Bring soap.
2. If the lab you work in is shifty and seems like it might be a death trap, it probably is.
3. Housekeeping doesn't know what they are talking about. Pay them no mind.
4. If Housekeeping tells you that you're moving rooms, believe them 50% of the time.
5. Even if you think you are eating healthy, you aren't. Eat more salad. Avoid Scurvy.
6. Take the time while shut in camp with people who can't leave to network, tease, and harass as much as possible. Try to find someone who can be your partner in crime.
7. LAD 3 is awesome.
8. Bears are scary.
9. Tsik-tsiks are adorable. As are arctic hares. Just don't hit one with your Ford pickup. It's messy.
10. Don't feed the tsik-tsiks, no matter how friendly they are.
11. When everyone tells you to dress for weather between 0 and 30 degrees Celsius, they mean it. Bring clothes for warm, clothes for freezing nighttime cold, and DEFINITELY bring rain gear.
12. When someone says "Are you worried about acclimatizing back to sleeping at night and working days after 3 weeks of nightshift?" don't say no. Karma is a bitch.
13. Your life will go on without you while you are in Tundra. Be prepared to pick up the pieces as quickly as possible when home.
14. Soap. Seriously.



Want more issues from the

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Knights Of The Warbird

King Arthur
- PRANK I -

Greetings fellow denizens of C-Eng! Hopefully you have heard the name “Knights of the Warbird” over the last few days and are wondering like most... who are these mysterious people? We are a secret society that is here to serve, empower, and embrace the rich traditions, vitality, and pride of the Carleton Engineering community. While we may have pranked our fellow colleagues (and purveyors of overpriced chocolate milk) with our mural, it was necessary to make ourselves known. One does not simply start pranking other institutions when your own has never heard of you before. As we had to go behind the back of a few persons, we would like to extend our sincere apologies. Well, maybe not that sincere. Actually we don't apologize at all. It's just how we roll. We are composed of a brotherhood of cunning, chivalrous Knights, and while we follow an unofficial code of conduct furnished by the CFES, we are all willing to protect and promote the C-Eng community at any and all cost. Trust me, we'll make you proud.

As mentioned before, we are a secret society and our names will not be known to any of you. We have sworn an oath to keep our identities anonymous under any and all circumstances. We could be your roommates, your best friend — perhaps even your booty call lover. We will keep true to our oath and if at some point you think that you may have something implicating or revealing any one of us, allow me to issue a word of caution. Think really hard for a minute. We are elite pranksters — very skilled, experienced, and fastidious operatives in the art of committing devious and humorous acts with absolute stealth. Would you really want to blackmail us? Really want to go up against a mysterious force of unknown power and unrivaled prowess? Sure, we've only pulled one minor prank, but there are many hours, days, months, and years left IN TIME. Keeping quiet is prudent. Remember, we know how everything works. Even magnets.

Think you have what it takes to become one of us? We will decide that. You cannot apply. Do not pull your own pranks and tell us how amazing it was. If you do, you will be simply outclassed and humiliated, and you will wish you had not done so. We are a group that has many resources, access to everything, and enough cumulative knowledge to have a 12.0 CGPA. That's right I said it.

We will soon have a public website with our logo and public details so you can keep tabs on our latest doings. We are also venturing to get memorabilia like patches and T-shirts so you can support our cause. Our cause? What is our cause? What is our purpose? What is really in the centre of a Tootsie Pop? Some of you may be aware that other engineering schools have special committees which prank other schools to show off both their spirit and creativity, as well as to incite fun rivalries. Carleton is much revered for its great spirit at events and is an awesome school to party with. Therefore, we figure it is about time we join the game and show them Carleton is not only up to the challenge, but we are determined to be the best.

Without further ado, I should introduce myself to you all. I am King Arthur, the leader of the Knights. With my fellow Knights by my side, we will conquer every rival and prank the bejesus out of any and all that we choose. Test us. I dare you. Following is the commandments each and every Knight is charged with adhering to:

God made you a good man and fail not of beauty. The Round Table was founded in patience, humility, and meekness. Thou art never to do outrageousness, nor murder, always to flee treason, and by no means to be cruel. Also, to take no battles in a wrongful quarrel for no law nor for no world's goods.

Thou shouldst be for all Carleton engineers and fight for their quarrels, and ever be courteous and never

refuse mercy to him that asketh mercy, for a knight that is courteous, kind, and gentle has favour in every place. Thou shouldst never hold a school against their will.

Thou must keep thy word to all and not be feeble of good believeth and faith. Right must be defended against might and distress must be protected. Thou must know good from evil and the vain glory of the world, because great pride and bobauce maketh great sorrow. Should anyone require ye of any quest so that it is not to thy shame, thou shouldst fulfil the desire.

Ever it is a worshipful knights deed to help another worshipful knight when he seeth him a great danger, for ever a worshipful man should loath to see a worshipful man shamed, for it is only he that is of no worship and who faireth with cowardice that shall never show gentleness or no manner of goodness where he seeth a man in any danger, but always a good man will do another man as he would have done to himself.

It should never be said that a small brother has injured or slain another brother. Thou shouldst not fail in these things: charity, abstinence and truth. No knight

shall win worship but if he be of worship himself and of good living and that loveth God and dreadeth God then else he geteth no worship here be ever so hardly.

An envious knight shall never win worship for and envious man wants to win worship he shall be dishonoured twice therefore without any, and for this cause all men of worship hate an envious man and will show him no favour.

Do not, nor slay not, anything that will in any way dishonour the fair name of the Knights of the Warbird for only by stainless and honourable lives and not by prowess and courage shall the final goal be reached. Therefore be a good knight and so I pray to God so ye may be, and if ye be of prowess and of worthiness then ye shall be a Knight of the Warbird.

With that, I must conclude my message. Just remember, we are always watching. We know all that goes on. We know how everything works. We will keep in touch, my friends.

Magnus frater spectat te

National Engineering Week

Eric Labrecque
- SREE I -



From March 5th – 9th, elementary, middle and high school students are invited to participate in games, activities, and engineering competitions as part of Carleton's National Engineering Week.

Elementary school level kids will be doing windmill design. Junior and Senior high design projects are “Efficient Engineering” to protect a payload from impact and to launch a payload, respectively.

The goal of National Engineering Week is to demonstrate how engineering plays a vital role in everyday life, as well as introduce participants to idea of a career in engineering.

The highlight of the week is the province-wide initiative of post-secondary institutions using sequenced Rube Goldberg Machines to turn the CN Tower purple. March 7th is the official event day with the finale at 5:30pm. Carleton will be hosting an Open House that day for display of their Rube Goldberg Machine which, like the others, is an overly complicated and elaborate contraption designed to perform a simple task.

The winning group from Carleton from the Ontario Engineering Competition will practice their designs in front of the participants during National Engineering Week. They are set to perform at the National Engineering Competition in Vancouver later this month. Carleton will be the host of the National Engineering Competition next year.

Navigating Mackenzie Building

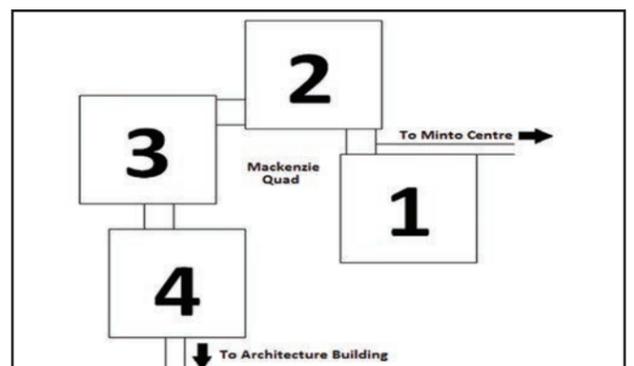
Brent “TurboTiger” Cameron
- AERO III -

The Mackenzie building (ME) is one of three buildings which are home to the Faculty of Engineering and Design. Every 90 minutes however, it also becomes home to hoards of lost students from all corners of campus as they frantically search for their elusive classrooms. Baffled biochemists, puzzled profs, and sometimes even seasoned engineering students roam the halls in search of a classroom, which somehow seems to be in a different place every time!

Although you may not have noticed, the Mackenzie Building actually consists of four towers, joined at the corners by staircase/lobby areas. Mackenzie building also harbours a deep, dark, secret, which, to my knowledge has never before been published. Not only will this secret allow you to find your classroom, it may also leave you enough spare time to buy yourself a snack before you get there! Lean in close (and make sure no one is looking over your shoulder as you read this) because the secret is in knowing how to read the room numbers! Are you ready? Here is the secret: Individual room numbers can be decoded as follows:

- The FIRST number denotes the floor. (Note that the tunnel level is Floor 1.)
- The SECOND number denotes the tower.
- The LAST TWO numbers denote the specific room.

For example: 3275 ME is on the THIRD floor of the SECOND tower. Which tower is that? Look at the diagram. The towers are numbered sequentially, starting with the one closest to Minto Centre. Now go forth and get to class on time!



Invite only so don't apply.

The People's Gun

Gilles "Nightstalker" Messier
- AERO V -

It weighs 11 pounds. It has 13 moving parts. In the past 60 years, over 13 million have been manufactured. It kills 250,000 people each year; more than the atomic bombings of Hiroshima and Nagasaki. It is the Kalashnikov AK-47 assault rifle: the most successful firearm in history and the weapon that changed the face of 20th and 21st century warfare.

The Avtomat Kalashnikova 47 (Kalashnikov's Automatic Rifle 1947) was designed by Russian inventor Mikhail Kalashnikov and entered service with the Soviet Army in 1947. While the AK-47 is the most famous firearm of its kind, the "assault rifle" concept was first developed in Germany during WWII. Throughout the conflict, most armies still fought with WWI-era bolt-action rifles, which proved overly powerful and slow-firing for use in urban combat zones (wartime studies revealed that few firefights occurred beyond 300 metres). Submachine guns (automatic weapons firing pistol-caliber rounds) were more suited to such environments, but inaccurate at long ranges. Seeking to bridge the gap between rifles and submachine guns, Germany developed the Stg.44 Sturmgewehr ("Storm Rifle"). This rifle fired a reduced-power Kurz ("short") cartridge, allowing a combination of controllable automatic fire and reasonable accuracy at intermediate ranges. The weapon, however, was produced in insufficient quantities to have any impact on the course of the war.

While the AK-47 greatly resembles the Stg.44 with its underslung barrel, inline stock, pistol grip and curved "banana" magazine, it was designed independently and for a different role. Contemporary Soviet military tactics centered around massed infantry and armor; the AK-47 was designed as an inexpensive, easily mass-produced rifle to equip the 2-million strong Red Army. It is built mainly of inexpensive steel stampings and, to permit easy use by gloved soldiers in cold conditions, was designed with a minimum of moving parts. The rifle has a gas-operated action, in which propellant gas is used to eject the spent cartridge and load a new one. This gas is diverted through a hole in the barrel into an overhead cylinder, where it pushes a piston that cycles the weapon. The AK-47 fires the intermediate 7.62x39mm cartridge either semi-automatically (one shot per trigger pull) or automatically at a rate of 600 rounds per minute.

Since its introduction, the AK-47 and its many variants have become the most successful small arms in history, making up 1/5 of the world's rifles. They are manufactured under license in over 20 countries (especially China as the Type 56) and used officially by the armies of over 50 countries as well as by countless insurgent and criminal groups. It is the quintessential rebel's gun, deeply engrained in the culture of many nations. "Kalash" is now an accepted boy's name in many African countries and the flags of Mozambique and Zimbabwe even bear the weapon's image. This phenomenal success is in part due - paradoxically - to the AK's relatively poor manufacturing quality, a side effect of mass-production. The tolerances between its moving parts are very loose, allowing the rifle to operate even when clogged with mud or sand. Consequently, the AK has gained a reputation for reliability and nigh-indestructibility. Indeed, when U.S. soldiers first encountered the AK-47 in the jungles of Vietnam, they reported finding rifles that still functioned despite having lain rusting in rice paddies for months. In contrast, the newly-introduced American M16 rifle was prone to jamming as residue from corrosive military ammunition clogged its more precision-engineered mechanism. The Americans countered this problem with a thumb-operated forward assist button to help close a jammed chamber. The AK needed no such modification; rifles have been known to last 30 years or more.

The main reason for the AK's success, however, is its sheer availability. As the design was never patented, many countries were able to manufacture copies (almost 13 million thus far), flooding the market and driving down prices. In certain parts of Africa an AK-47 can be purchased for the equivalent of \$30 US - or two live chickens. This ubiquity changed the face of warfare. For most of history, rifles were expensive and the exclusive preserve of armies. The AK, however, is cheap enough - and simple enough - to be acquired and used by almost anyone - even children. The AK allowed, for the first time, the common people to successfully wage war on a massive scale; the rifle has seen action in almost every rebellion, insurgency and guerrilla war since the 1950s. The insurgent niche that the AK fit so neatly was further deepened by the Cold War. With the superpowers unable to wage direct war for fear of nuclear annihilation, they resorted to funding countless "proxy wars" in countries such as Afghanistan and Nicaragua, supplying funding and arms to allied factions. The cheapest and easiest weapon to provide these insurgents was, of course, the AK-47.

Since 1947 the basic AK design has been continuously updated. Indeed, the rifle most encountered worldwide is the AKM, an improved variant introduced in 1959. In 1974 the AKM was replaced in Russian service by the AK-74, which fires the 5.45x39mm round (the Russian equivalent of the NATO standard 5.45x45mm round). While smaller, this round produces greater wounding effects via a phenomenon known as "hydrostatic shock." Many specialist variants of the AK have also been produced, including sniper rifles, folding paratroop models and even an underwater version (the APS) for Navy Frogmen. Nonetheless, the original, ever-reliable AK-47 remains in continuous use worldwide and will likely remain in the world arsenal for years to come. The AK's success and deadly legacy provides an important case study of the democratization of warfare. It also demonstrates that successful engineering is not always solely about quality and precision.





IEEE SPAC 2012

(Student Professional Awareness Conference)

From Passion to Practice

Find your Co-op, Internship and Full time JOBS?

IEEE Student Professional Awareness Conference (SPAC) is a **formal dinner** event that aims to bridge the gap between students and their career goals.

Companies that have been sponsoring SPAC in previous years include RIM, Canadian Forces, Alcatel Lucent, Ericsson, Microsoft, Espial, IBM, Code factory, Neptec, Ciena, Agilent, Ross Video and Department of National Defense.

WHEN: March 15th (Thursday)

WHERE: The Westin Ottawa (Downtown, next to Rideau Mall)

TIME: 6PM to 10:30PM

TICKETS: \$20(members) and \$25(non-members)

Tickets are available online at www.ieeespac.ca OR can be purchased at IEEE office (ME 4238).
 <<<Discounts apply to IEEE members, LIMITED TICKETS>>>

How To Make Meat Edible

Sebastien "Snapshot" Traczyk
- ENVE IV -

Though for the most part it's not part of many students budget, meat is an essential food group that should be enjoyed at least once a week. Now I know not all of you eat meat for various reasons so you will not be bashed, but you will also not be understood by me. The purpose of this article is to outline a few different types of meat and how to prepare them.

Steak - This is the staple meat product which, when ordered on a date, sets you back a pretty penny and eng girls are too tough to order wimpy salads. Don't say you weren't warned. The first thing you'll need is a BBQ or something resembling it. A propane tank with a nozzle to spread out the flame as well as grill rack will suffice. The key to a good steak is low and slow. You need to grill the steak on a low setting for a long time. Ideally you place the slab of meat down on a pre heated grill then flip it a few minutes later and let it be until done to your preference.

Here's an easy way to determine if your steak is rare, medium-rare, medium or well done:

Rare: Take your hand and make a "C" shape with your index finger and thumb without tensing any muscles. Poke the thicker flesh (not skin webbing) in between your fingers then the steak. When they are the same the steak is rare.

Medium Rare: Make an "L" with index finger and thumb pulling apart. As before compare the flesh to the steak for medium rare.

Medium: Form a tight fist, do the same as above.

Well Done: See that concrete near by? Knock on it and when the steak is similar hardness the steak is well done.

Some useful pointers: Only flip the steak once. Never squish the steak since that will squeeze out all the delicious juices. Contrary to popular belief, the fat that drips off a steak and burns provides the flavor so do not cut the fat out before putting on the BBQ.

Fish - There are lots of ways to make fish but I will assume you have caught your own fish, gutted it, removed the scales, and now have long thin fillets by cutting slices off parallel to the spine.

To create simple but delicious fish take a relatively flat large diameter bowl and add one egg for every 10 fillets. Next add milk or cream to make a 50/50 ratio of egg to milk. Here's where you can get creative and add a few spices but not too many so it overpowers the flavor of the fish.

Mix the egg/milk/spices well with a fork. Set up a plate next to the egg mixture and put flour on it. Heat up a frying pan melting butter on it. Now take a fillet, put in egg mixture covering fully, place on both sides on flour to cover completely and place in frying pan set to medium.

Depending on the thickness of your fillets it will take 2-4 minutes a side before you have to flip. A side is ready when it is medium brown. Add more butter as needed and serve immediately with lemon.

Pork Chops - I'm talking about the pre-cut packed packs that say "pork chops" on the front since I am assuming students don't drives out to a butcher, buy a 35 pound slab and cuts them themselves.

This meat is fun to make since it helps resolve anger issues you may have. For those of you who have a meat hammer, good for you. Those unfortunate enough to not, you will have to get creative and find a heavy object with a flat side that has small peaks in it like a castle wall. An alternative is to put a couple dozen nails

unevenly into a board which I have seen done before.

Tenderize is a term meaning beat the shit out of the meat while passing it as cooking so have some fun. Once you're satisfied prepare a egg/milk mixture as described in the fish section. Now you are welcome to become creative with your spices. Spices you may add are limited only by your budget and availability in the house.

Take the tenderized pork chops, dip and cover in the egg mixture then cover in bread crumbs by pouring bread crumbs on a plate and placing the pork chops on them. Butter or oil a pan and fry until ready on each side which will vary depending on thickness. Typically 5-10 minutes a side works well on medium heat. Enjoy on its own, on a slice of bread with butter or next to some potatoes and salad.

Ground Beef - This is the most universal, long term usage, and creativity inspiring exam food you could ever hope for. The school year is nearing completion and you've noticed that there are a lot of items in your fridge that have just been sitting there for a while that you aren't sure what to do with. The solution is go out buy a several pounds of ground beef and try this:

Ground beef will required a large frying pan for the most efficient method of cooking, which is bulk followed by freezing. Place the entire chunk of ground beef on the pan and turn on medium. Mix constantly to ensure all pink meat is gone. Once you notice most of the pink meat is cooked, add tomato sauce or paste until the meat is fully covered. Typically the ratio of meat to tomato sauce is 2:1.

Once fully mixed add in any and all unused vegetables, fruits, spices, cold cuts, cheese, sauces, and anything else you like to the mixture. Stir constantly. Not only will you be able to claim 'creative cooking' but you will also use up all those carrots that have been in the fridge for ages. Once everything is added, let it simmer (low heat, covered) for at least 30 minutes. The final product can be eaten on its own or added to spaghetti.

To make spaghetti, buy which ever one you like (cheapest?). Boil a pot of water, add a tablespoon of oil and throw in the spaghetti. When it is soft all the way through (typically 5 minutes), drain and serve. Do not over boil or the spaghetti will disintegrate.

Add more sauces, cheeses and finally the ground beef. For freezing separate the ground beef to one meal portions and pack in zip lock bags. Remove in the morning before school, come home boil spaghetti and enjoy. Total time from freezing: 5-10 minutes.

Boneless Chicken - If you're looking for a delicious, easy to make meat, boneless chicken is the best bet. The steps are simple. Take a pan, place on medium heat, melt lots of butter on the pan then place the chicken in the pan flat. Add any spices on top of the chicken while it is in the pan. Be sure to cook all the way through. The best way to check is the cut open the thickest section and see if it is fully cooked. Takes about 10-15 minutes for one pans worth.

BBQ alternative: It's the same idea as before except you have fire instead of electricity cooking the meat. It will take slightly longer than on a frying pan.

All of the above are the basic instructions for cooking various meats. You are more than welcome to follow each step or create your own five star meats. Everyone is smart but I'm not responsible for the idiot who chokes on a fish scale, cuts a finger off, burns off eye brows starting BBQ, is hospitalized from undercooked meat possibly also poisoning their roommates/family, or any other incident following my instructions.



Therron "Diamonds" Lehman
- AERO II -

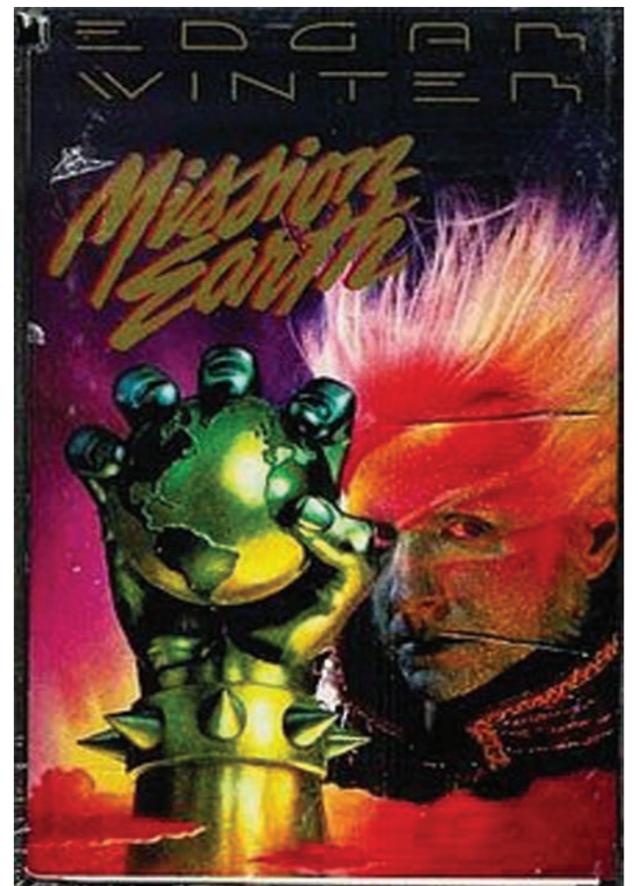
I've determined that some people don't get the luxury of hearing my opinion on things. I think I could fix this with a review on trivial things that won't offend anyone in any way what-so-ever (maybe Tom Cruise). Depending on general appreciation of my reviews and how I feel I may only do this one (although your appreciation is likely to have little to no value), I will conclude the article with an arbitrary scale that I have made up.

I am going to start off with an author, L. Ron Hubbard, who is considered to be a total nut, with Tom Cruise the biggest member of his fan club. He is a man who once said "You don't get rich writing science fiction. If you want to get rich, you start a religion." He then proceeded to create Scientology and make obscene amounts of money. Hubbard is also the author behind the masterpiece: Battlefield Earth. If you like Sci-Fi this is a good book to read, full of excitement, love, incomprehensible Scots, money, lies, and talk of math. Hubbard also has another series worth reading: Mission Earth. If you are depraved, sadistic, and can take disgusting images, this series is for you. Mission Earth is a satire where the main character is an antagonist. His whole mission is to make sure the good guy fails; the irony is if the protagonist succeeds, Earth will get invaded in the future. **READ THIS SERIES!** Warning contains: Bestiality, Necrophilia, Drugs, Sex, etc...

My final review is for the movie Reservoir Dogs, a film by Quentin Tarantino. Essentially these thieves steal stuff from people to make money, there's the plot. \$|-|It hits the fan and we see an exciting story full of suspense and a rat. This film is a little short, not the greatest content, but fun. This film is Diamonds approved film for anyone.

Now for my arbitrary system of rating (hold for applause), I have decided that I will give my ratings in forms of Diamonds (see what I did there?), from 1 Diamond being how much I care about your thoughts on what I write, to 5 Diamonds being what I think of my own opinion.

Battlefield Earth - 4 Diamonds
Mission Earth series - 5 Diamonds
Reservoir Dogs - 3 Diamonds



If you do... prepare yourself



So relax... sit back, and enjoy the show



ELECTIONS

PRESIDENT



**Erik
Willis**

My name is Erik Willis and I am running for CSES President. I have been involved with CSES since I arrived at Carleton. My experience is as follows:

- Engfrosh
 - Group-Co 2012
 - Spirit 2011
 - Head 2010
 - Facil 2009
- CSES
 - Vice President Social 2011-2012
 - MAE Representative 2010-2011
 - Technical Director 2010-2012

The things I wish to change at CSES include:

- More constructive meetings.
- Informal brainstorming meetings with members.
- Increased communication with administration.
- Increased visibility to members.

I am here for you, so please vote yes to Willis and help me make CSES the society you want it to be!

VP EXTERNAL



**Mel
Blainey**

Hello C-Eng! My name is Melanie Blainey and I am running for VP External. I am running because I wish to see change in this portfolio. My goals should I be elected are:

- Increase the visibility of the VP External position.
- Decrease costs associated with this portfolio.
- Raise over \$5000 for charity.

I am ideal for the VP external position because I have a wealth of new ideas that will help me achieve the above goals. These include, but are not limited to:

- Mandating post-conference reports and posting them for all members to read.
- Decreasing the number of delegates attending conferences which only benefit CSES.
- Increasing the number of delegates attending conferences which benefit those in attendance.
- Hosting information sessions about CFES and ESSCO.
- Hosting PEO/OSPE outreach nights.
- Starting interschool competitions with Ottawa U, Algonquin etc.
- Starting an alumni and professional networking database.

Lastly, I am running on a mini-slate with Erik Willis and Andrew Campbell, who share the same views on CSES and the drastic changes it needs.

Thank you for reading my platform!

VP INTERNAL



**Awopegba
Oreoluwa
David**

My duties as Vice President (VP) Internal are found in the policy manual and constitution (Posted on the Carleton Students Engineering Society (CSES) Website ~ <http://cses.carleton.ca/>). My responsibilities are also stated there as well. But the issues of concern that I propose can be found below:

Things that need to be done: I intend to implement the Mandates presented at the general meetings and the Constitution, as some of these duties were well handled by the outgoing VP Internal, and also organise better awareness during the elections. Update the constitution, make sure council members are up to speed and make the constitution known to all engineers. Get more engineering societies integrated and represented in CSES (as well as at General meetings). Look over the old passed mandates, implement the necessary "committee," and with help from the President pursue certain pressing issues unimplemented by the outgoing VP Internal. I will follow our basic traditions and improve the ones necessary.

My name is Awopegba Oreoluwa David and I approve this.



**Kristen
Jerabek**

Hello! My name is Kristen Jerabek. I am currently VP External and am running for VP Internal. You may ask: what does the VP Internal do? That is an issue I would like to confront should I be elected. How can a council position be held accountable if you don't know its function? As VP Internal I hope to increase CSES' accountability and make better use of volunteer resources. Some of the other projects I would undertake include:

- Get the voice of engineering students heard at CUSA meetings
 - I have already started discussion with CUSA's presidential candidates.
- Revise the current CSES Electoral Regulations
 - Make elections more visible and up to date with current technology
 - Separating the presidential elections from the VP elections
- Divide the policy manual into separate policies.
 - Make policy easier to read for all of you.
 - Make it easier to put into effect policy changes.

As far as experience goes, I am currently VP External of CSES, VP Hospitality for Canadian Engineering Competition 2013, Vocal Director for the C-Eng Musical, and the Charity Commissioner for the Canadian Federation of Engineering Students. Last year I was first year representative for CSES. As VP External and an officer of the CFES I have a lot of experience with policy and know how to write and manipulate effective policy. Also, as you can see from how many things I'm doing all at once this year, I am good at multitasking and managing time and people. I have a lot of things I'd like to do, and I hope that together we can make CSES work better for you.



**Robert
Stalker**

My name is Rob Stalker and I am running for VP Internal. I am a fourth year Aero-C, with Co-Op and a Business minor. I have been active in engineering since my first year, serving in many positions with CSES and CFES - including President of both. I am very passionate about engineering societies, what they can accomplish, and hope to bring my experience and skills to bear in the coming year.

If elected, my goal will be to establish a culture of positive professionalism within CSES. As an organization, CSES has the potential to do so much for our engineering students. From the Textbook Trade to Student Group Funding, CSES can have a major positive impact on engineering students' university experience. We need to take pride in what we have already accomplished and seek out areas where we can improve. The VP Internal does a lot of behind-the-scenes work concerning society policy, and I think this is where I can really apply my talents and change how we do business. Please feel free to contact me at rob.j.stalker@gmail.com if you have any questions.



**Trevor
Irwin**

Hello C-Eng! My name is Trevor Irwin and I am running for VP Internal. Many of you may ask: what does the VP Internal do? It is quite simple: VP Internal runs the show. VP Internal is responsible for all constitutional matters, ensuring that the society's rules are clear, well formatted and - most importantly - followed. VP Internal also sends out the Announce e-mails every week, keeping you informed and up-to-date on CSES news. Another task is organizing General Meetings and ensuring that Council and Executive meetings are recorded by the Secretary. Finally, VP internal is responsible for hosting Ring Days and ordering Pewter Mugs for the grads.

Now comes the time to present my platform. It is three meters high and made of wood.

In all seriousness, I believe I can be a great VP Internal. I am organized, logical, and take my responsibilities seriously. I hope to accomplish two major things. First: overhaul the constitution. The current constitution is a confusing and contradictory mess with serious gaps. For example there are no specific rules regarding use of the "in camera" (an off-the-record period) during meetings, nor any clear definition of a Conflict of Interest. These omissions should be rectified as soon as possible; if the Chair cannot find the rules governing a meeting, something is very wrong.

My second goal is to send representatives to high schools to promote Carleton Engineering. McMaster engineers once visited my high school, yet despite the fact I that went to school in Ottawa, Carleton never visited us. I think this can easily be rectified.

Whether or not you vote for me, I hope you still vote.

VP SERVICES



Adam Morrill

Who am I?

I am Adam Morrill.

I'm a fourth-year electrical engineering student who has been very involved with CSES over the years. I am a Leo's manager and a member of the Flightsuit committee. From this experience I have come to know Leo's and its successful operation inside-out, and have learned how to organize a wide variety of social events.

If elected, I would like to accomplish the following:

- Increase awareness of the services Leo's provides.
- Increase awareness of volunteer opportunities at Leo's.
- Maintain a clean, friendly environment in Leo's.
- Increase awareness of the Student Group Resource Centre (SGRC).
- Redesign the CSES office to look more professional.



Nicholas Dumoulin

Hello fellow engineers! My name is Nicholas Dumoulin. I am a second year SREE and am running for VP Services, the position that manages Leo's, SGRC, the CSES Office, and the Equipment Loan Program.

Why should you vote for me? This year I helped renovate Leo's and the CSES office. With this task done, I hope to move on to improving SGRC, making it a more versatile space for students. I also hope to expand and streamline the Equipment Loan Program.

Do you have ideas for new services CSES should provide? Let me know and I will try to make it happen!

VP ACADEMIC



Owen Marsh

Hello! I am Owen Marsh, a third-year Engineering Physics Student and the current Electronics Rep for CSES. I am running for CSES VP Academic.

My goals as VP Academic are:

- Advertise year-round services such as the Textbook library, academic concerns and study lounges.
- Update the textbook library by replacing old irrelevant textbooks.
- Expand on this year's extremely successful Design Competition!
- Expand the Professional Networking Event by using the stream societies to attract professionals.
- Create an umbrella system for the societies' Smart Tutoring services



Emily Lemay

My name is Emily LeMay and I am a third-year Biomedical student. I am running for VP Finance again as there are many improvements still to be made to CSES's finances. As VP Finance this year I became very familiar with CSES's financial flaws; given another year, I believe I can rectify these problems. Here are specific issues I would like to tackle if re-elected:

- Reconciliation and accurate bookkeeping.
- Filing taxes for the previous seven years.
- Completing an audit.
- Ensuring CSES members derive maximum benefit from their fees, accounting for everything.
- Ensuring Leo's provides accurate financial statements.

Having already rectified a large amount of paperwork from previous years, I am headed in the right direction. I hope you will allow me to finish the job. I very much wish to put CSES on firm financial ground.

VP FINANCE



Tyler Holmwood

Hey C-eng! My name is Tyler Holmwood and I am currently First-Year Rep for CSES. Aside from being a giant engineering nerd, I am also an avid white-water kayaker, rock climber, saxophonist, and pianist. I also enjoy long moonlit walks on the beach.

You are probably wondering: "why would I vote for this random first year over someone who has already held the position and knows what they are doing?" One word: change. For CSES to evolve and flourish, new ideas must be injected. Along with finance-specific actions such as making the budget easier to understand, promoting Student Group Funding, and possibly transferring into Accounting, I plan to tackle society-related issues like member awareness and meeting attendance. As I am running for Finance, I would love to offer you free BMWs if elected. Sadly, my budget doesn't allow for that. I *can* offer free high fives, though; heck, I'll give those away even if I lose. That's just how I roll.

VP SOCIAL



Mike Debeneditis

As VP Social I would streamline event planning by categorizing different events, allowing Directors to better delegate workload. This would also permit a wider variety of events to be held. I feel that many events have become very adult - orientated and appeal to only one crowd. I want to hold more family-friendly events and draw a more diverse crowd.

I would also like to bring back the C-ENG Bonspiel, which has not been held in two years.

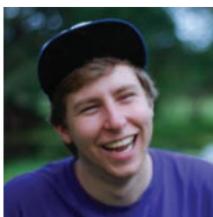


Nick Bulger

My name is Nick Bulger I am running for VP Social. I chose this position because events are my favourite aspect of CSES. As VP Social I plan to broaden the range of activities CSES holds, such as introducing a canal skate day. In addition, I plan to increase the involvement of less-active members of the engineering community. And of course, I plan to ensure that all CSES events continue to get better and better!

In closing, here is some advice: never, take a sleeping pill and a laxative on the same night.

VP PUBLICATIONS



Andrew Campbell

My name is Andrew Campbell and I am a fourth year MECH student. I am running for VP Publications because I have the skill set and drive required for this position. One of my biggest qualifications was attending CFES Congress 2012 in Yukon, where there were many sessions about school publications and how to improve them. I feel that the website and agenda are up to standards and should be maintained as they are. As for the Iron Times, I think an issue should be released on the first of every month. I would also like to start a regular monthly column section and a classified ad section where students can easily find a roommate, sell their XBOX etc. Finally, an anonymous submissions box would increase the number of articles submitted - especially humorous ones. The only improvement I feel the Passport needs is better coordination with Student Groups so they can run individual events. I am also running on a mini-slate with Erik Willis and Mel Blainey, as we all share the same views for CSES.

Choose Change. Choose Campbell



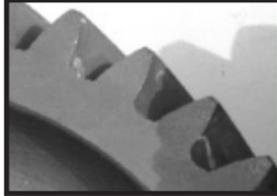
Kati Sidwall

I am Kati. Kati I am.
I do not like to sit and plan.
I like to do, and do things well.
I'll do the Times; the Times will tell.

I would like them here and there.
I would like them everywhere.
I would like them every month.
I would like them with my lunch.
I'd like them on the internet.
I'd like them to be the very best.
I would like them to be planned.
I would not like the Charlatan.

Do you like the Iron Times?
Do you like my crappy rhymes?
I am Kati. Kati I am.
I'll get you your green eggs and ham.

We will follow these rules.



ENTERTAINMENT



The Great Northern Concrete Toboggan Race 2012

Andrew "Rocksteady" Campbell
- EARTH VI -

Another year is over for those of us who anxiously await this event. This year was once again filled with many stories that may not be remembered by some due to liquid encouragement, but that's why God created cameras. I've tried to pull together all the brain cells I have left over and compose this article with all the stories of GNCTR. However, GNCTR is somewhat like Las Vegas: what happens at GNCTR stays at GNCTR. Who am I kidding, let's give 'er!

This year I realized airports and I do not mix. We are like engineers and sororities... I'll pass. On our arrival at the Ottawa airport I have nothing in my pockets, but I do have my winter boots. I'm one of the few to beep, so the guard waves the magical wand around me and it only beeps when it got to my shoes. I offer to take off my shoes, but at that point I have to go inside this machine pulled right out of Star Trek and let it shoot lasers at me. Finally I'm cleared and ready to go. But I've still got the return trip to worry about. Damn.

While trying to get home at the Calgary airport, I get "randomly selected" for a hand chemical test. I just want to go home in peace! Once again I go through the metal detectors with my boots on, only this time they don't beep. Interesting. Obviously I'm clear to go after that, just need to grab my bag and – shit. A swiss army knife and a cordless drill? Packing up drunk is never a good idea. I have to go all the way back to baggage and pay \$20 to check my backpack, and then through security. Again. I got this.

Nope. My shoes set off the alarm this time. This made me really wonder how good the security is at airports. Since my shoes set off only two out of three alarms, does that mean they catch only two out of three bombs or weapons? Hooray for technology.

Moving on; our theme this year was South Park and I happened to be Eric Cartman. I went out and bought a fat suit and used my comforter to stuff it. Add a sweater to that, a small room filled with 400 screaming engineers and having to jump and scream in this ridiculous costume because you're the spirit captain. I think I lost 10lbs. I've never sweat so much in my life and I'm never being fake fat again. It was very

useful on Race Day though.

The hotel we stayed at was very nice as usual, but unlike past years they treated us nicely during the whole competition. The security respected us and always addressed us politely; there wasn't any trouble from any school all week. Except fourth floor but don't worry, Carleton was on the 2nd. Oh 4th floor problems. I'm sure most people have slept in a hotel and the hotel always assures you a nice hot shower at all hours of the day. Well even when you say there will be 400 people trying to shower at once, you won't have enough. They don't believe you. I think I showered at 6am, 4pm, 10pm and even 2am and I had only 1 hot shower.

While I did not attend the skiing portion of the event, mostly because I'm still not sure how to stop skis or a snowboard without face planting, I did hear stories. Last run of the day was a toptional run (not a typo, figure it out) and the video showing over 60 people jetting down this long hill is a sight to see. I believe the most amazing and hilarious story is the one about Erik Willis. Yes, this steroid using, gym magnet iron-man had to call ski patrol to help him down the hill because the runs were too scary. Take a minute to imagine Erik Willis laying on a toboggan being pulled down the hill. I wish there were pictures.

This happens to be the first year I remember my bus ride to the hill. Normally I remember waking up and all of a sudden I'm at the hill with McDicks in my hands. Luckily Mr. Woodall was brave enough to uphold my tradition and boy did he make me proud. Here we are sitting on the bus and he has A&W in his hand because apparently they make breakfast foods. Out of nowhere he blurts, "This burger is lying to me!" After we all stop laughing I ask him "How?" He says, "It says good morning on the wrapper, but I feel like shit, it's not a good morning at all!" Then I believe I laughed so hard I cried.

Before I start talking about Race Day, I'd like to briefly talk about the bar we went to on Thursday night named Ranchman's. For anyone who has seen Cool Runnings, remember the part where the Jamai-

cans fight the Germans in the bar? We were in that bar. I flipped my shit, looking over and seeing the place where the Jamaican got pushed down on the stairs and everything else. It was so cool.

Race Day: the day five Carleton University GNCTR teammates would have died if we were smart. That's right, being dumb saved five lives. Carleton was originally scheduled to go first, but it took us so long to build the sled because people kept forgetting to bring important parts from the crate. After two alumni groups went from U of A and U of C – reaching 77km/h – we were scared of this hill. Extremely long, hard packed snow, small braking distance culminating in a giant ice wall, and only 4ft of tires to help slow us down. Are you kidding me? Since we were taking forever, U of A was selected to go first. I've seen my fair share of crashes at GNCTR, but I've never been as scared for someone's life as when I saw that sled crash into the wall. Luckily everyone was alive, and only one guy had to go to the hospital with a broken leg. There's footage of the crash on Youtube, but you may have already seen it; it's been on a few news shows. Needless to say, after that they took the hill down to half its length and spaced the tires out correctly.

On a happier note our brake finally worked. We have been modifying this brake for many years now and finally we got it to work by stopping in 6-7ft while going 44km/h. Unfortunately we lost best braking distance to U of Saskatchewan by a fraction. The one thing we are proud of is that we made a groove 7ft long and 6 inch deep. Let's says the volunteers who were responsible for grooming the track after each race were not happy with us.

Finally, I want to congratulate Ryerson University for winning overall and my buddy Mukhtar Galan from McMaster University for winning GNCTRRer of the Year. This was another great year for Carleton; we came in at a respectable 6th place out of 19 teams. Seeing how we were 15th out 19th last year, I think we improved quite a bit. Thank you to our Captain, David Mills, and to the rest of the team for your hard work leading up to the event and for your good company at the event. Brain cells were lost but hey, it's GNCTR!

Music of 2011-2012

Caleigh "Paperbag Princess" Rutledge
- ENVE III -

I have a lot of favourite artists. I like very commercial bands, like Snow Patrol, the Fray, Marianas Trench, and both Miranda and Adam Lambert, as well as some less-well known bands like Safety Suit, The Midway State, and Lights. I also enjoy some of the self-made artists, including Tyler Ward, who is, in my opinion, the best of the YouTube stars (he runs his recording studio in conjunction with band members of the Fray though, so that's not a huge surprise). However, it really doesn't matter who I like, because this isn't about that. Well, I guess it is in a way. But actually, it's more about music release.

I've noticed a trending pattern in the last few years: I find that periodically, ALL OF MY FAVOURITE ARTISTS seem to release albums at the same

time. Example: Since November, all of those listed artists have released albums. And Owl City released his shortly before, making late 2011 and 2012 one of my very favourite music release years to date (well, at least since the Backstreet Boys). And I know what you're going to say: "There's no problem with this Caleigh. It just means a ton of awesome music!" But, as I am usually apt to find First World Problems... They're all competing for Number 1 on the lists! And I find this frustrating. I want ALL my favourite songs to be the best in their week, and for all the albums to be very successful. It must suck to be dwarfed on iTunes if you're a guy like Ed Sheeran trying to make a big release with a debut album, and you don't end up getting time or attention because you chose the wrong time of year to finish polishing things up. Another issue with this is actually concerts. Because all of these artists end up

touring simultaneously, there isn't a lot of fresh choice while they're away, and if I want to go to concerts, I have to choose one or two TOPS instead of going to a few over the course of the year. Because they are all of course in Ottawa/Toronto the same weekend. Not actually. But still.

The ONLY upside to this release madness is that the radio, for a short while at least, will enjoy a variety of new music. But then again, I stopped listening to the radio years ago when I discovered torrenting and playlists. So all in all, I have a new proposal: I'm pretty sure that all of these bands/artists need to discuss with each other, and release their albums at staggered dates. This way, I can fully enjoy their music through the whole year!

Things I heard At The Winter GM

“That’s where you are, if you don’t need to be here, get out.”

“Jackets? Let’s just say the guy pissed me off.”

“Oh god, you’re a mac user.”

“Why didn’t I say no?”

“What’s the prescription for those glasses?”

“We might as well use other people’s money.”

“There’s no meat and potatoes, there’s just a lot of plate.”

“People pay a lot more attention because you’re yelling at them.”

“I have a different opinion, but I don’t want to argue with the man.”

“...rather than the friendly stealing of things.”

“It got ripped when they were dragging me.”

“If Joe from Carleton...”

“Next on the speaker’s list I have Mel.” times infinity

“What we think is all you can eat, is not necessarily what they think is all you can eat.”

“Recommend using ‘Hungry Hungry Hippos.’”

“Does Leo’s have condoms, cause I was in a pickle once...”

“I’m more than helpy”

“How do magnets work?”

Things Clarified At The Winter GM

Nolan “Pi” Hunder
- AERO V -

Jamie can’t pronounce Hunder

Editor’s note: And this man is our president.

Jamie can’t hear Kaitlyn

Kaitlyn doesn’t care

The Jackets guy pissed off Jamie.

Dear Student Affairs: we have 3447 members, we need a bigger room for general meetings of the members.

Engfrosh is a small event that not many people attend.

We actually won in competition volleyball
(No one can hear Caleigh) times 5

Planes with banners are needed for advertising

Exec needs to be more happy.

Jamie needs to smile more, and be less angry.

Robbie needs to advertise the MAE facebook group more.

When it’s pizza time, everyone needs to sit down.

Next Iron Times needs to go out in Arabic.

Editor’s note: Wait a minute...

There was a great lengthy debate concerning whether or not to contiune publishing this.

Editor’s note: Dear god, what is this world coming to?

Things I heard At OEC

“It’s a second language, like French in Quebec.”

“Here is where we have to be more conscious about whether we’re emitting fossil fuels.”

“Credits I’ve already fermented.”

(When talking about needing to be more environmentally conscious) “We need to turn natural greenfields into something artificial tailored to meet our needs.”

“OEC can be thought of as like drinking from a fire hydrant.”

(Paraphrasing wedding vows) “I promise to take care of you until you are dead, or sick, or divorced in today’s society.”

“Look at civil engineers who design bridges, not necessarily good bridges...”

“Being married you can always fall back and become and engineer.”

“How many of these successful engineers are married?”

“We have a word for that: they’re called workaholics, and sometimes sociopaths.”

“Is it not part of our description to say if we’re not a workaholic, we’re not doijng our job right?”

“Not being a good workaholic, I don’t take good notes.”

“Redbull, you need more redbull.”

“Neither ring is as important as the ring of power.”

“The only time an engineer who thinks the Iron Ring is more important than the wedding ring, is getting laid is when he’s getting laid off.”

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Sleepers Of The Month

This issue received a surprisingly large number of sleeper of the month submissions. Because of this, and the high quality nature of each of these submissions, I have decided to include several runners up as well. Had these taken place in many other months, they could each have easily won, so without further ado, here are the top sleepers of the month.

Winner



This month's winner goes by the name of Jonathan Lewis, but others may know him by his brand new callsign; Dirty Water. Dirty Water is seen here in the midst of acquiring said callsign, taking a much needed nap. He was so exhausted by GNCTR activities that he had to crawl into his hotel room and use the toilet as a pillow since his bed was too far away. Don't worry Dirty Water, I'm sure lots of people suck their thumbs. While it was certainly a close race for the acclaimed sleeper of the month award, Dirty Water claimed the title as this was one of the most talked about stories heard from GNCTR. As well the story's infamy led many people to know the name Dirty Water while still not knowing his real name.

1st Runner Up



As many of you I'm sure attended, February witnessed the first of what is hopefully to become the annual CSES musical. As can be imagined, there is a lot of behind the scenes work that has to happen in order to put this kind of a show on. Conrad Collins as shown here demonstrates what happens as a result of this giant workload. Completely tuckered out, he reluctantly gave up and took a break for a quick nap, though forgot to remove his shoes. Thankfully as is shown, his fellow cast members were not to leave him lying on a table to get cold, but were nice enough to pile anything they could find in order to keep him warm. Not since the legendary Rob Stalker have we seen such piling on a sleeper.

2nd Runner Up



This feat was accomplished by Marshal Dorin at the Ontario Engineering Competition taking place in Toronto. Apparently after a long day of competitions capped off by a night of unmentionable social excitement, Marshall finally burned himself out. Upon returning to a room for some much needed rest, he found that the lights were too bright to allow him to sleep, and so engineered his own artificial darkness from this umbrella. At the time of publishing the investigation has not led us as to determine whether there were other people in the room or if Marshall was simply unable to find the light switch.

3rd Runner Up



Third runner up goes to Mike Jans, a woodmason, who was found in the Admirals suite having fallen asleep in an office chair with his shoes on. Unfortunately no sharpie was found but there was an abundance of MacMaster and Woodmason tattoos around. One by one, over the next half hour, Greg Harrington, captain of the Newfie team, graciously applied as many as could fit. Unfortunately Greg did eventually wake Mike after attempting to apply a tattoo on his eyelid as he had run out of space elsewhere. Twas a valiant attempt indeed. With a staggering 7 tattoos successfully applied, it was still quite an accomplishment.

* Sleeper of the month is entirely consensual and submission based. All people appearing in this section have given prior consent and have been informed in advance that their picture will appear here.

The cost of a dozen roses: \$35.00, The cost of a box of chocolates: \$15.00, The cost of dinner at a nice restaurant: \$50.00,

Master (De)Baters

Trevor "Deep Throat" Irwin
- MECH III -

Mr. Speaker, have you ever wanted to be the very best? Like no one ever was? Was to catch them all your real test? And to train them your cause? Well we can't help you with that Mr. Speaker, but we can tell you about how we showed up on two hours of sleep and mind-blowingly hungover, and placed 3rd in Parliamentary Debate at the Ontario Engineering Competition. And It all started with a simple DEFAULT! DEFAULT! DEFAULT! DEFAULT! DEFAULT! DEFAULT! DEFAULT! DEFAULT! DEFAULT! Win through the Carleton Engineering Competition debate, as everyone recognized our obvious talent and decided not to enter.

Mr. Speaker; we departed on a fine clear Friday morning, the sun was shining, the birds were singing and the engineers were rowdy. We departed with high expectations, we WOULD GET HOMEWORK DONE! Fast forward: we didn't. Back to the present going the maximum, 87mph, the coach bus rumbled down the highway passing great sights like the Kingston Construction Experience and the birthplace of a great Canadian hero, Avril Lavigne. And then it hit us: THERE WAS NO SNOW! Yes, we had magically crossed over into Amurica between Ottawa and Toronto.

Mr. Speaker, my colleague Robbie and I thought to challenge ourselves, practice if you will. Taking suggestions from the crowd we delved into serious matters: such as Mac vs PC and the ethics of Pokemon. Needless to say, this quickly devolved into pre-drinking for dinner. Arriving in Toronto we noticed a couple of things. First, it was above zero (how Canadian is that?) and second the amount of tall buildings. I don't know about you but kilometres upon kilometres of 60+ story buildings make me feel small; and I'm a big guy. Stocking up on supplies, and by supplies I mean beer, and by beer I mean 24 Canadian tall boys, we started our adventures.

Mr. Speaker, we took it upon ourselves to discover Toronto, and experience the city the night before our major competition as we felt that we don't get near enough chances to be in a real city (Ottawa is not a real city). As such we obviously felt that \$3 drinks at Pub Suds was the best way to see Toronto, and try and distract any of our competition by giving them much larger hangovers than we were going to get. Sadly none of the other teams showed up, it's like they wanted to actually win or something. For those of you don't know, Pub Suds is where the Engineering Lounge at U of T is turned into a bar/club. It would be like if we brought kegs and a DJ into Minto Foyer and partied all night. Eventually all good things must end, and a fire alarm was triggered. But never fear, the Master(De)Baters gathered up everyone we could and stumbled over to The Ram (Ry High's Bar) where we stumbled into McMaster Engineering's favourite Mexican, Dorothy, and someone I think I went to highschool with. And that is all I remember Mr. Speaker.

Mr. Speaker, while my esteemed colleague was already making rounds at Pub Suds I attended the "mandatory" competitors briefing. The meeting that was scheduled for 9 pm ended up finally starting at 9:30. I was attired in party clothing and I walked into a room full of serious debaters clothed in semi-formal dinner attire. As my colleague inferred Mr. Speaker, yes they were here to win. No nonsense was taken (I'm sure I got many dirty looks), and I was encouraged to go wild. Well joke was on them. Rising bright and early after a restful 3 hours of sleep Robbie and myself went to face the competition in the honourable field of battle. First victim was Queens. Mr. Speaker, have you ever wanted to gouge out your eardrums with a blunt spoon? Well that is what I wanted to do when facing Queens. Every second word was "Um" or "like" or "stuff," EVERY SECOND WORD! Mr. Speaker I left high school for a reason. Needless to say we breezed through the debate of whether smart phones make a more productive

worker arguing against. Second Round! University of Toronto. These were worthy foes: spirited and dynamic assholes. Seriously, constantly demeaning, sarcastic and rude, they did themselves no favours. Robbie and I stoically stood in the face of douchebaggery and prevailed in the debate whether social media increases the quality of human interaction arguing for. At this point Robbie and I decided we need some cool crime fighting nicknames: Steve and Pete, after our debating heroes: Steven Harper and Peter McKay. Number Three! We silenced (literally) Western in our discussion of the priorities of University Education, theoretical or hands-on in arguing for hands-on. Finally onto the final round robin action against UOIT and should community service be a mandatory requirement for post-secondary education. Our pro arguments were well thought and delivered with our usual flair however we lost in a close showdown to UOIT.

Mr. Speaker, after powering our way through the morning debates (Special thanks to our Cheering Section [You Know Who You Are]), while avoiding the mood killer words of like, um, right, and awkward silences, we at this point had to find out if our competitors, who had so bravely faced us in battle, were amateurs like ourselves or seasoned veterans who just can't keep their hands off themselves. Turns out except for UOIT, Steve and myself were the only ones to take advantage of a free trip and see how this Master(De)Bating thing was done. We appealed to emotions talking of that beloved family pet who had passed away, those playful office pranks that Jim in sales always gets you with, those joyful and rewarding hours of community service with years and years creating your own work in a cold and lonely room in the basement of Mackenzie. We appealed to fear: talking of lost jobs, Facebook creepers, pedophiles, terrorists, and that weird guy in IT with the shoe camera. We never used our whole allotted time, always finished early, and always got that last laugh, and that was enough to get us through to the Semis. Where we smashed our way through, arguing against the replacement of all drivers of passenger rail systems with computer systems. At this point I introduced the crowd to Little Jimmy, that young boy who spent hours watching Thomas The Tank Engine, playing with model trains, and dreaming of that day he could drive a real train. I told the room that the government wanted to crush Jimmy's dreams and destroy everything that he hoped to be. I closed my remarks with "Well Mr. Speaker, I don't know about you but I would hate to be the one to tell Little Jimmy that he can't ever drive a train." And as usual, our throbbing mass of fans erupted in applause, laughter and was overwhelmed with the powerful emotions of my story telling. And then it was Trevor's turn to speak, as the Leader of the Opposition: Jack Layton's Ghost.

Mr. Speaker, once again we found ourselves facing the honourable warriors of UOIT (Qapla!) battling for the soul of humanity itself. They would have us embrace the destructive capabilities of Sky Net while we were lowly John Connors. We fought them hard, we fought them well, and on the plains we gave them hell. However it was not to be. Losing once more in a close contest we captured the rank of third. Thus we retired to our hotel rooms for some celebratory drinks and then through the Star Gate to the Atlantis convention centre for dinner.

Mr. Speaker, after we mike-crashed the closing banquet (To be honest I did not realize that the microphone was still on), we decided to go out and celebrate. We began with a rousing rally at the hotel, where a bathtub was full of ice, and flats of Canadians emptied rather fast. We found McMaster, Ryerson, and RMC, and went along with them to eat everyone's free food (that's what you get for tabling it beside Carleton) at The Duke of Somerset. Sufficiently full on finger food and running dangerously low on champagne *cough* Briggs, *cough* we decided to head toward the glow of neon. A sight that will never be forgotten, a wall of

neon shining out like a beacon to the inebriated, the curious, the winners, and those that still had money. The fine establishment before us was Zanzibar. Where if you were wearing clothes, they were tuxes, and if not you were on stage, on my lap, or yelling at Enrique to turn down the heat cause you're starting to get wet. We were entertained by the likes of Ivory, Kitti, Ebony, Star, Skyy, an OCAD student, a Ryerson Undergrad, and many, many other lovely ladies. The few winners quickly emptied their wallets in the luxury of the Champagne Room, while those who were not so financially enlarged took part in a pastime as old as Gentleman's Clubs itself. Trolling the ladies before us. This included such gems as; "I'm having a vagina party and I need two guys to come with me" "But I don't have a vagina" "Dont worry, I'll provide the vaginas" "Then what do I bring?" We received a lesson on the economics of paying for dances, while also hearing an art critique on the shape of my nipples. Eventually the fine establishment closed, and we retreated to the safety of our hotel. We tried to tell security that all 16 of us were staying in the same room, but they didn't buy it and we proceeded to room hop until 5 something or other in the morning with our good buddies at McMaster. We learned of "Boobs for Boots" a start-up charity from RMC, and showed those other schools that we could Master(De)Bate, Celebrate, Educate, Salivate, Motivate, and Refudiate, harder than anyone ever had, or ever will (unless we get through again next year) and most of all, we informed everyone that we are CARLETRON! Thank you Mr. Speaker.

Mr. Speaker, in closing Robbie and myself were not the ideal competitors, we stayed out far to late imbibed far too much to be perfect. However we gave it our all and placed very well. This is a reminder; you can compete well and have fun. Now go chug a beer.

Erik's Fitness Corner

Erik "Caulk Tease" Willis
- AERO IV -

In this first article I want to talk about how I'm going to do all my other articles. Or at least how I think it's going to work. First of all, I will likely reference a lot of different sources so be ready to type in some URLs to learn the details of what I'm talking about. Secondly I am no expert, I only outline what I do; I have no idea if it will work for you or not. Thirdly, if you hurt yourself I am not liable; you decided to do this on your own will so please be safe.

I am currently working on building up my strength so that when I transition into more of a "bodybuilding" routine, I am stronger and moving a lot more weight. The program I was on for the past two months is called Starting Strength. It is a full body workout 3 times a week. Its primary goal is to build strength in almost anyone, but in particular beginners. So if you're new to working out it's a very good routine, and I recommend at least looking into it. To put things in perspective it brought my deadlift from 275 -> 375, squat from 225 -> 305, and my bench from 225 -> 250. All of those numbers being 5 rep maximums.

In the coming months I look to change programs to one a little less intensive on squats as they are very hard on the lower back this heavy. I am currently looking into doing one called Madcow (not the disease), and increasing the amount of cardio done in order to train for all the races I've lined up for the summer. So remember, be careful, start light, and do your research! If you have any questions you'd like answered in the Iron Times email me at eriks.fitness@gmail.com and I will try my best to include it in the next article!

Still having \$100.00 at the end of the night: Priceless.

How to Write an Iron Times Article

The first thing you must do is choose a _____ (noun). This can be anything, from _____, or _____, to _____. (physical activity) (new trend) (school event)

Now the challenge is to _____ your idea out of your _____ (verb) (body part) and onto _____. Many people succumb to _____, (noun) (psychological condition) while doing this, so I suggest _____ the first thing that (verb ending in ing) you think of. Now that you have _____ something, (past tense verb) no matter how _____ it is, you've made progress. (adjective)

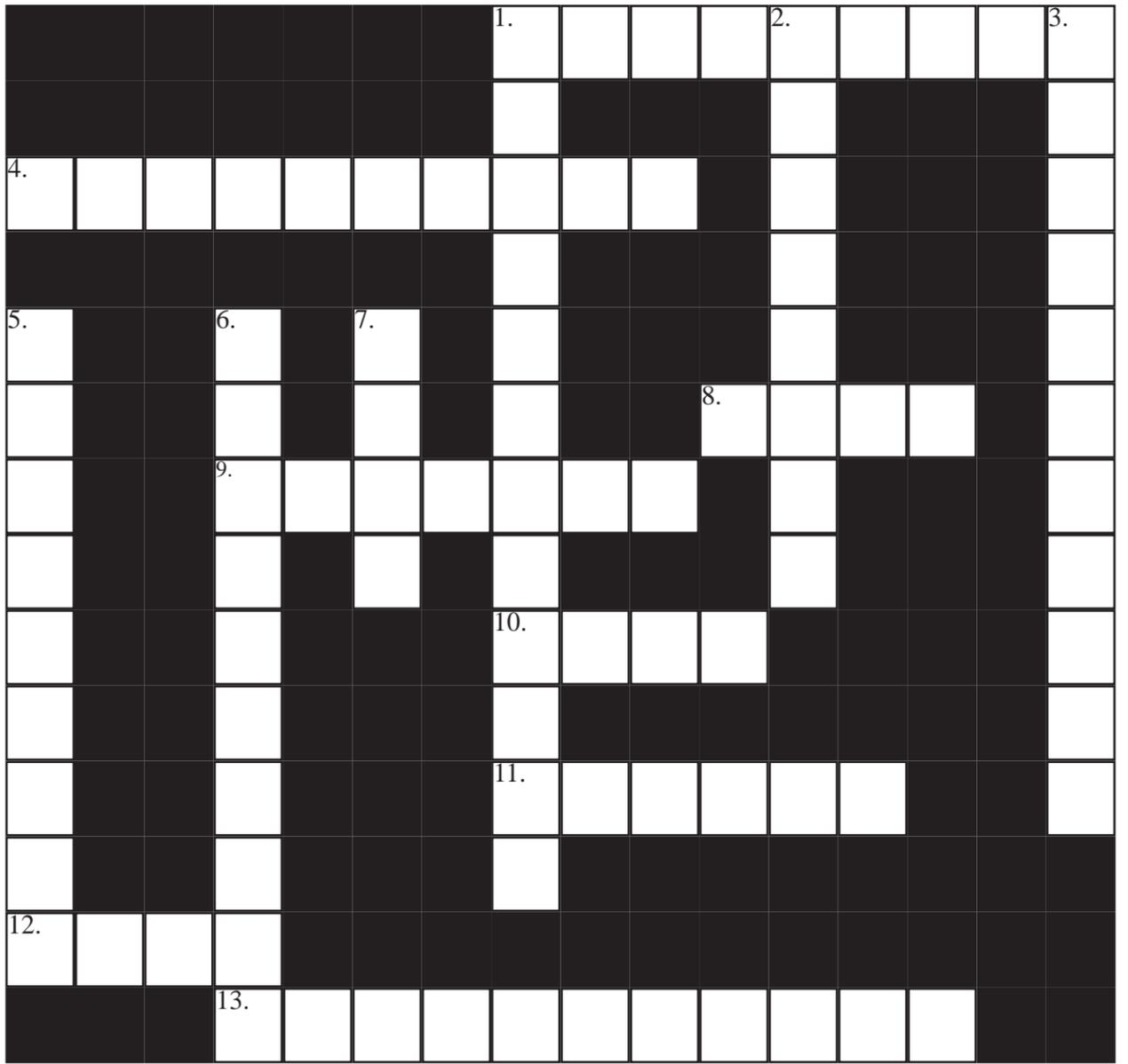
At this point, you can either _____ with this _____, or try (verb) (noun) experimenting with another _____. Just make sure you (noun) get all your _____ down. After you can start reworking (plural noun) the flow of your _____. Make sure it doesn't start and (noun) too much, but still makes appropriate pauses. _____ (verb ending with ing) your _____ is very important. Sometime there are _____ (noun) (plural noun) with equity services, but try to employ a _____ approach. (type of philosophy)

Sometimes how you _____ something can make all the (verb) difference. Remember it's gonna be mostly _____ (type of people) reading this. One can hope that they have a _____. (character trait)

But please remember to _____ your work. If you don't, (verb) we will have to for you. This is a very _____ consuming (noun) process for us already so any _____ we receive is (noun) appreciated. If ever you should need _____ while trying (noun) to generate _____, feel free to ask. We have a lot of (plural noun) experience in this, and are _____ to offer our _____. (emotional state) (noun)

We are always looking for more _____, so don't be shy, (job title, plural) we're sure you're very _____ and have a lot to offer. (adjective)

Crossword



Across clues

1. Banished the snakes from Ireland
4. A lot of people seem to want this position
8. "At least we're wheel chair accessible."
9. March 23rd.
10. Bridges the gap between students and their carrers.
11. Winner of the OEC communications competition.
12. Saturday Design Competition host.
13. Have you bought your tickets yet?

Down clues

1. Other team that won at the Ontario Engineering Competition
2. Namesake of the bridge competition and not affiliated with communism
3. AK-47
5. Deanna Shield and Hillary Flesher
6. Jonathon Lewis
7. Former CSES newspaper

Horoscopes



Aries (Mar 21-Apr 19)

Exam season may come and go, but at this rate you'll likely stay here.



Taurus (Apr 20-May 20)

The answer to question 7 on that test is c.



Gemini (May 21-June 21)

1 in 10 hookers is a cop. This week is not for you.



Cancer (June 22-July 22)

You will read an article debunking horoscopes which is lies and blasphemy.



Leo (July 23-Aug 22)

Friday night will end with you discovering that WD-40 is not an effective sexual lubricant.



Virgo (Aug 23-Sept 22)

Due to the ongoing lawsuit with CUSA, the stars relevant to you are currently on strike.



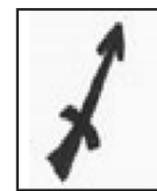
Libra (Sept 23-Oct 22)

This week you will be walking on thin ice. Bring SCUBA gear



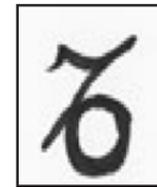
Scorpio (Oct 23 - Nov 21)

You may have a run-in with Equity Services in the near future. Claim you were only following orders.



Sagittarius (Nov 22-Dec 21)

Next week's project presentation will make you wish you cleared your browser history.



Capricorn (Dec 22-Jan 19)

The dark-suited men you will notice following you are only in your head.



Aquarius (Jan 20-Feb 18)

You will either live through or die from a terrible accident. I can't tell which; one of the stars went supernova.



Pisces (Feb 19-Mar 20)

You will learn several new words this week, the most important being "malignant" and "inoperable."

You can't always control who walks into your life,

COMICS & ART



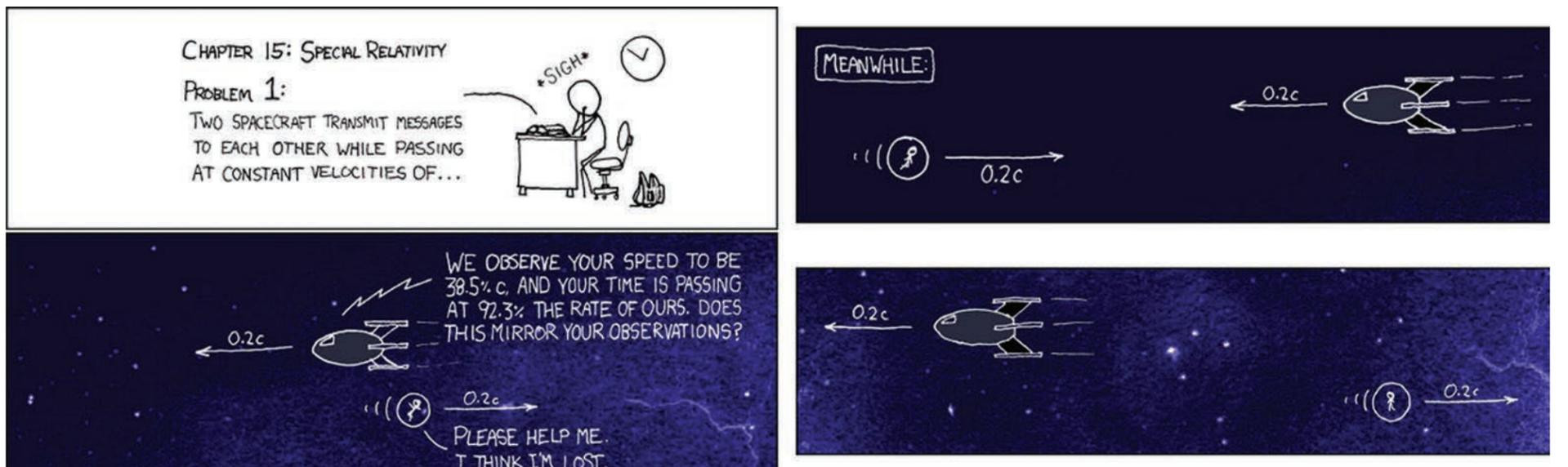
Wasted Talent

www.wastedtalent.ca

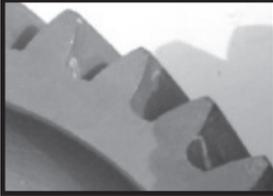


xkcd

www.xkcd.com



but you can control which window you throw them out of.



LAST WORDS



Uses For The Charlatan

- Block off window so people can't see in while you paint.
- Something to scrunch up and throw at the cast of the musical.
- Clean and dry brushes after using them to paint.
- Something to stuff Magneta's bra with.
- Follow CUSA's step by step guide on how to accomplish nothing while being paid more than most artsies upon graduation.
- Lay a few sheets on the floor to prevent paint from getting on the tiles.
- Propping up the projector to get the right angle.
- Setting up news stands with them on it can lure unsuspecting artsies into Mackenzie to help set up a plot for the musical.
- You can read it.

WTF of the Month



Now despite the unfortunately blurry photo, (this is why bumping someone while they're taking a photo is not a nice gesture), it's still legible what is on this sign. Basically at the troitsky bridge building competition in the hotel we were staying at, at the complimentary breakfast, there was a plastic case containing the bread. They decided that a sign is required to actually tell people that they have to lift the cover to get to the bread. I don't know how to get the bread without doing so. With the exception of Mr. Burns, I don't think anyone really gets confused by this strange plastic contraption.

FEEDBACK LOOP

for statement = 1 to n

I don't expect to live to be 60 years old, I expect to offend someone walking down the street and become sans a head.

next statement

The hair of the dog that bit you is not a cure for rabies.

next statement

Heroin is also not a cure for rabies.

next statement

I've got all the toiletries I need: tooth brush, tooth paste, and a grenade.

next statement

Thus proving that all browsers if configured correctly are cookie monsters.

next statement

When it comes to touching boobs, with guys it's just creepy, with girls it's a compliment.

next statement

Mountain-biking, masturbation; what's the difference?

next statement

You told me to clickety clicky so I clicked.

next statement

Sometimes I wish I was a half-black, half-native, gay, disabled, Jewish woman.

end

Want to say something? Post to the loop at:
irontimes.engsoc.org

Upcoming Events - March

				1	2	3
				Self In- jury Aware- ness Day	Peasants Day	<u>Res Caf Invasion</u>
				<u>Troitsky Bridge at Concordia</u>		
4	5	6	7	8	9	10
National Grammar Day	Air Break Patented	Alamo Day	Bell patents telephone	International Women's Day	<u>CEC</u>	<u>SREE Design Comp</u>
	<u>National Engineering Week</u>					
11	12	13	14	15	16	17
Johnny Ap- pleseed Day	Wings at Pub 101	Fajitas at Casey's	Ribs at Mon- tana's	Sushi at Yummy Sushi	Chinese	<u>St. Pat- rick's Day</u>
	<u>All You Can Eat Week</u>					
18	19	20	21	22	23	24
Aleksei Leonov per- forms first space EVA	Quinquatria	Inter- national Day of the Fran- cophonie	<u>AGM</u>	<u>Facil Pub</u>	<u>Ring Day</u>	<u>IT Articles Due</u>
25	26	27	28	29	30	31
Tolkien Reading Day	Zoroaster's Birthday	World The- atre Day	Three Mile Island acci- dent begins	<u>Winter VAP</u>	<u>Reflec- tions</u>	César Chávez Day

Watch out for the next



April