

**BRIEFS**

**CFES Congress**

I went to some particularly interesting seminars, including a very heated Women In Engineering debate session, which showed me that we still have some things that can be improved here at Carleton, but that we're also doing a lot of really good things, such as our Go Eng-Girl event and CU WISE.

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**Dear CUSA**

You fight for rights and lower tuition, but do you fight for me? For many years you joined in the "Drop Fees" campaign, yet have you ever considered dropping or lowering your fee?

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**Relationships & Camaros**

Now that it's February, the month of love and sappy romance, I should talk about relationships, and since I've had a long love/hate relationship with my car, I figured that'd be a good place to start.

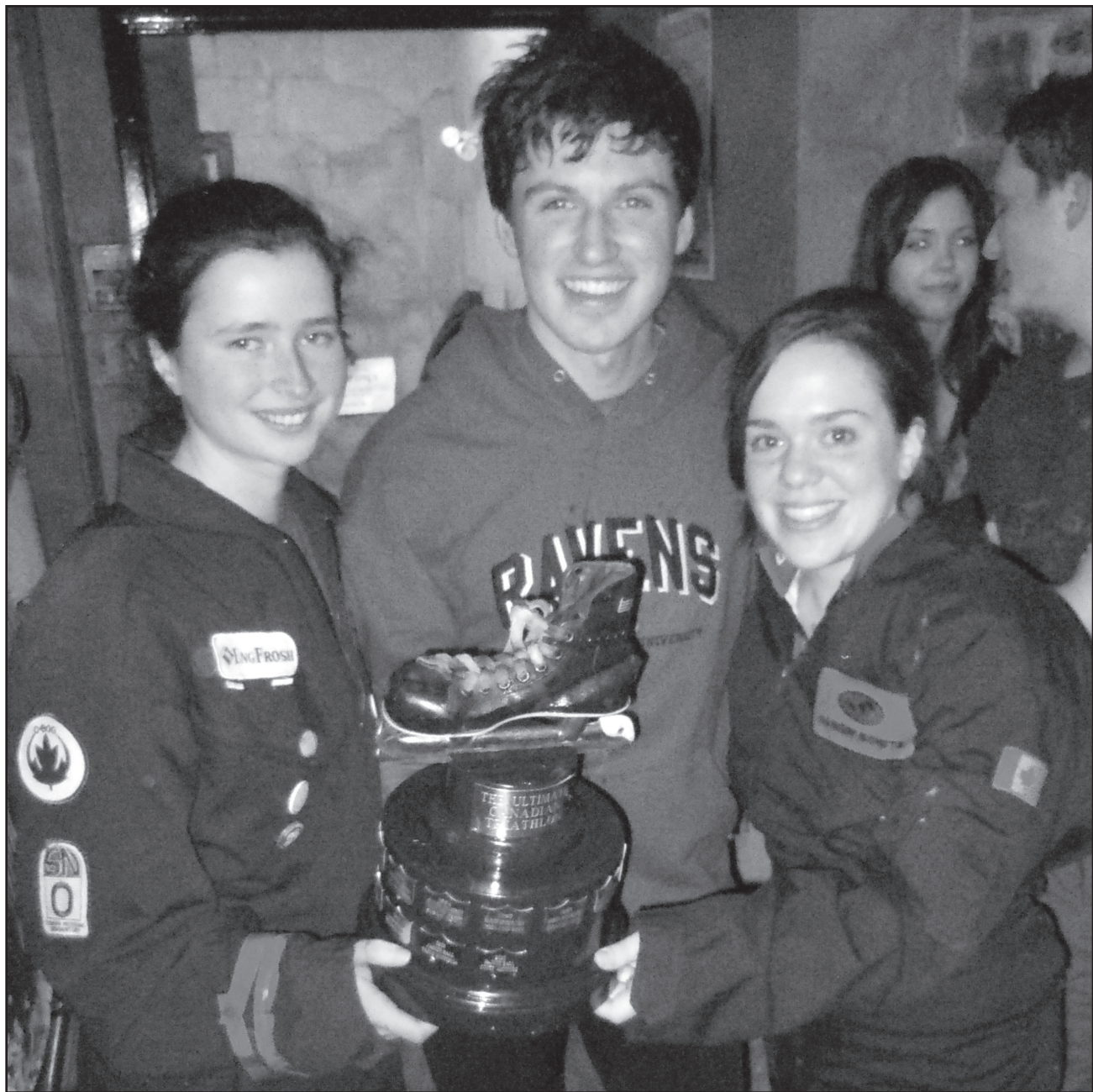
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**CMAS VS CSCE**

The Carleton Cup has been dubbed the "Ultimate Canadian Triathlon" You don't need to be an athlete to race in the Carleton Cup and do well - you just have to be an engineer. Seriously - we proved it.

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**Engineers Clean Up At Carleton Cup**



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**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.





# CONFERENCES

## Canadian Federation of Engineering Students Congress

**Kristen “Dorothy” Jerabek**  
- CIVE I -

Congress is much more than days filled with sessions, and nights filled with partying; though there was plenty, as my fellow delegates can attest to. Being in the presence of so many people who are completely immersed in engineering made me want to get even more involved, both in CFES and here at Carleton.

One that was especially interesting was the “Small School Roundtable”. In this session a representative or two from all the schools got together and talked about the advantages and disadvantages of being a small school. Small schools have less people and as such fewer people volunteer. That means that for things like frosh week and their engineering society executive the people who do volunteer end up doing massive amounts of work; which only discourages people from volunteering. Can you imagine trying to run frosh week with less than 20 people making up planning, heads, and facils? For us it would never work! So now here’s my list of the important things learned at congress.

- NEVER EVER ask to hold the Waterloo Tool. They will spend the rest of the week making lewd jokes.
- Waking up sticky all over and not knowing how you came to be so is never a good thing.
- Some people are morning people. Others are most definitely not.
- Never let people make a list of the things you say while drunk.
- Ryerson boys are nice people... but that doesn’t mean they won’t creep on you, and that you won’t hear about it for weeks after.

**Caleigh “Paperbag Princess” Rutledge**  
- CIVE II -

Ever been to a conference with 200 engineers from across Canada? Well, I would bet not, unless you were with me at CFES Congress 2011. Congress is held annually by the Canadian Federation of Engineering Students (CFES), and hosted by a different school every year. This year it was hosted by Memorial University of Newfoundland in St. John’s. Each engineering school sends between 1 and 7 representatives to the conference, and through the week the students participate in a wide variety of learning sessions, as well as a General Annual Meeting regarding CFES constitutional changes. I was lucky enough to be selected as one of the candidates that attended congress in early January. We had a sensational group of students going, and as all 5 girls present were fluent in French, we participated actively in both languages at all seminars without translational headsets.

I went to some particularly interesting seminars, including a very heated Women In Engineering debate session, which showed me that we still have some things that can be improved here at Carleton, but that we’re also doing a lot of really good things, such as our Go Eng-Girl event and CU WISE.

Each year, the schools bid for events that will occur 2 years from the congress year (so in 2011, we were all bidding for 2013 events). Kevin Atkins and I decided, with the collective group in attendance as well as support from Suzanne Swaine, to bid for the Canadian Engineering Competition (CEC) 2013. And we won!! So I’d like to briefly re-introduce myself, and let you know that in the next 2 months, Kevin and I will be actively seeking VP’s for the CEC Planning Committee, so sign up for an interview today!

PS. Congress 2012 is in the YUKON.

**Heather “Random Pick Up” Bromley**  
- ENVE IV -

The CFES is an organization that allows communication and the exchange of information and ideas between all of its member schools, as well as staying informed about changes affecting engineering students and the profession. The week was full of educational and interesting presentations, ranging from discussing community involvement and accreditation, to Pranking 101.

One interesting presentation turned round table discussion was “Social Issues”, which addressed issues that concerned engineering societies. Different ways of promoting and supporting the engineering profession with the public, children and students were discussed, such as charitable events and elementary and high school outreach programs. The issue of making engineering society events more energy conservative and environmentally friendly was also brought to attention.

A large discussion about the health and wellness of students came up at one of the presentations. With our long hours at school, mostly spent in dirty computer labs doing time consuming assignments, labs and projects, it can be difficult verging on impossible to eat healthy and stay active. It was suggested that during frosh week facilitators bring up this issue with first years to ensure that they understand the importance of eating and staying healthy, especially for those away from home for the first time.

I must say, one of the highlights of the week was when Kevin Atkins leapt from the dinner table, in his nice suit, and literally tackled a student from... not sure which university, in order to save the travel GONG from being kidnapped. It was certainly a heroic moment.

## PEO Student Conference

**Matt “Soaker” Molkoski**  
- ELEC II -

Earlier in the school year, I had the opportunity to attend the Professional Engineers Ontario (P.E.O.) Student Conference. This annual conference is hosted by P.E.O., the governing and regulating body for all licensed engineers in Ontario. P.E.O. is the body that protects the public from the engineers, provides accountability, and it is through licensing with them that an engineer receives their P. Eng designation. This designation is one of the key foundations of being an engineer, and one of the biggest decisions a young graduate makes. Do I license? What are my benefits? How do I do it, and what does it cost? I know myself, in 2nd year, had no answers to any of these questions and had not even considered them, let alone the pros

and cons of licensing. But all of this was covered, and I hope I can give you a better idea of what exactly P.E.O. does for you, and a bit more about P.E.O. in general. As mentioned previously, P.E.O. is the governing body. They license the engineers and give out the P. Eng designation. They also help to make sure that the transition from an engineering student, to Engineering Intern Training (E.I.T.) and finally to Professional Engineer (P. Eng) is as high in standards as the profession demands. To do this, a few licensing requirements exist:

1. Must have a 4 year Bachelor’s in Engineering
2. Must pass a professional practice exam
3. Be of good character, and have three character references (Job, professor etc)
4. Must have legal status within Canada
5. Must have 48 months of engineering experience, with at least 12 months in Canada.

With such basic requirements, some would wonder why wouldn’t I license? This was covered in the sessions, and some interesting points came up. Some jobs require licensing. You can’t be a working engineer without it. For others, such as one speaker who was a high school teacher, he did not want to be licensed because if so, any advice he gave students would be professional advice when teaching a course such as tech. This would mean that he would be liable in the case of any accidents. It is because of all these that the choices are hard, but P.E.O. is here to help. If a young graduate applies to the E.I.T. program, and fills out the application to begin the licensing process within 6 months of graduation, all fees for E.I.T. and the application itself are waived, saving close to \$100! So there are many pluses and bonuses for licensing and not licensing.

Mostly, it is just good to know that these requirements exist, to protect both the integrity of the engineers in Canada as a whole, and to protect the public from the small mistakes that licensing, and other preventative measures, can reduce.



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 opin-

ions, and everything in between. Anyone may send their submissions, complaints, questions and concerns to [irontimes@cses.carleton.ca](mailto:irontimes@cses.carleton.ca)

**EDITOR-IN-CHIEF**  
Nolan Hunder

*Thanks to all the writers that contributed.*

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# SEEDS Career Panel a Success

Emily Vingerhoeds  
- ENVE GRAD -

On Wednesday, January 26, SEEDS hosted a successful career panel for environmental enthusiasts at Carleton. Five panellists were present to discuss their career choices and answer questions from students – Matt Novada, Larissa Shaaked, Jessica Poupre, Tian Gou, and Camille Taylor. The diverse discipline of environmental engineering was represented by the various engineering careers of the five panellists – including work on carbon sequestration, NOx and SO2 reduction, landfill and mining projects, Phase I and II environmental site assessments, wind turbine and solar equipment sales, nuclear energy research and development, emissions inventories and environmental compliance. The night started with the panel describing their education and choices, which brought them to their current careers. Questions posed from students brought up some lively debate regarding: what they would tell their younger selves if they had the chance, how and why you would pursue the professional engineer designation, how to search for and obtain the job you want, what to expect in and how to prepare for a job interview, and whether to choose graduate school or a job after completing your undergraduate degree. Take-away messages from the panel included: being honest with yourself and choosing courses that interest you, and realizing that environmental engineering is a diverse field with many opportunities allowing you to find work in an area you enjoy.

The next SEEDS event was directed to students who are interested in attaining an academic position in science and engineering. Carleton’s own Professor Banu Örmeci discussed various topics including how to apply for a faculty position, tips for preparing your resume, research and teaching statements, the interview process, research presentation, typical interview questions, and how to negotiate your salary and start-up package. Dr. Banu Örmeci is currently an Associate Professor in the department of Civil and Environmental Engineering and a Canada Research Chair. The event was on February 3, 2011 from 12 noon to 1pm in ME 3444. In other news, SEEDS members have formed a soccer team which will compete in the International Soccer Tournament hosted by the ISSO at Carleton. Although the team’s roster is full, anyone in-

terested in coming to the tourney to cheer on the team is more than welcome! The team colour is purple, so bring out all the purple paraphernalia you own! The tournament is scheduled for Sunday, February 13 from 9am to 1pm in the Carleton Fieldhouse. GO SEEDS GO! Alternatively, if soccer isn’t your idea of fun, you can still come out to our group skate on the canal which will occur in the near future. We will be definitely be stopping during our skate for hot chocolate and beaver-tails!

Volunteers are required for an enrichment mini course being offered by SEEDS for junior-high and high-school students. SEEDS executive members applied for funding to construct the mini course in November, and were recently awarded the approval and support from Carleton’s Educational Development Centre (EDC) and CUOL (formerly CUTV). The enrichment mini course will span a week in May, and will explain what environmental problems are and how the young students can do their part to help clean up the Earth. Hands-on experiments and activities will clarify

what happens to the garbage, dirty water, and polluted air that leaves from the family house or car. Volunteers are necessary to plan and design environmental-related activities and implement the activities for the course. This is the first time that SEEDS will be involved with creating and carrying out a mini course; therefore, any input or volunteers which will help to make this event a success will be greatly appreciated! The last SEEDS meeting was Thursday, February 3, from 4pm to 5pm in the SGRC (Student Group Resource Centre). The SGRC is located at the top of the stairwell between the 2nd and 3rd blocks of Mackenzie. This meeting attracted all current executive members as well as many students interested in becoming more involved. Stay tuned for details on the next meeting.

Additional information regarding future SEEDS events, including member & mailing list sign-ups, event & meeting RSVPs and volunteer signups, can be accessed through the SEEDS website at [www.seedsottawa.wordpress.com](http://www.seedsottawa.wordpress.com). Specific questions can be directed to [SEEDS@engsoc.org](mailto:SEEDS@engsoc.org).

# Robotics Club News

Katherine “Lil K” Newcombe  
- SYSC VI -

3Pi Competition:

The 3Pi Maze Solving Robot Competition Finals were held in the Atrium on January 28th. Congratulations to the winners: Team Comm. Also to our other competitors: Team Asimov, Team Jam and Team Hawksun. Teams competed to see who could develop the best logic for solving a maze quickly without causing the robot to overshoot the turns and lose sight of the path. This competition is a great way for students to get involved in the club and develop programming and logic skills, as they are given a basic program to make the robot follow a line, without prior programming experience needed. The competition will run again next fall, but you can get involved now by going to the mi-

crocontroller robots workshops being held each month (February’s workshop was on the 5th).

Workshops:

Since the first Microcontroller Robotics Workshop with Nagui went over so well (50+ people), CURC will be holding workshops each month! Workshops are based on the MIT handyboards and involve getting the robots to follow a line or listen to a remote control, finding objects with sonar and playing the drums on them. Beginners and people experienced with embedded systems are welcome! New features will be introduced in each workshop so participants can continue where they left off last time or start on something new.

# WISE Steps to Success 2011

Daphne “DSL” Ong  
- BIOM IV -

Another year and another WISE Success!

This year I had the pleasure of attending and helping organize the WISE Steps to Success event, held in the newly renovated Fenn Lounge, on the evening of January 26th, 2011.

For those who couldn’t make it out or don’t know what WISE Steps to Success is, well this event targets graduate and undergraduate female students in science and engineering at Carleton University (including computer science). CU-WISE (Carleton University Women in Science and Engineering), IEEE, and WIE (Women in Engineering) Carleton have noticed a substantial need for students to learn how to develop skills that help them in their career aspirations, such as writing, public speaking, networking and salary negotiation. So this year, CU-WISE, IEEE WIE Carleton, and Carleton’s Career Services, joined forces once again to run the second instalment of a very educational event!

There’s so much that we do everyday as students, sometimes we don’t get the time to note or remember that one day we’re going to be leaving university and stepping out into the ‘real’ world, just going to class and studying hard isn’t always what is going to help us survive or get a kick start out there, “...It

was all those little things they don’t quite teach us in the classroom; the importance of making a great first impression, dressing for success, confidence building and being confident, networking skills, and negotiation skills.”

We had a great kick start with our first speaker Carleton’s own Dr. Moyra McDill from the Department of Mechanical and Aerospace Engineering. Her presentation on her career titled, “Learning from One Another” left a deep, insightful and inspiring impression on her audience. We then had the pleasure of hearing from Mr. Andrew Moizer, from the Ottawa Network, who gave an entertaining presentation on negotiation skills and confidence building. Full of very good tips, advice, and amusing stories, there was certainly a lot we could take away from Mr. Moizer’s words.

Last but not least we had the pleasure of hearing from Ms. Lousie Grace, from Dress for Success Ottawa. She gave us all a bit more thought into making a good first impression, and how we dress can make all the difference. There was a raffle with awesome CU-WISE and WIE Swag given away, and all proceeds from the raffle were donated to Dress for Success Ottawa.

Dress for Success Ottawa is an affiliate of

Dress for Success Worldwide, which is an international non-profit organization dedicated to improving the lives of women located in 113 cities across the U.S., Australia, Canada, the U.K., Poland, the Netherlands, the West Indies and New Zealand. Dress for Success services are designed to help clients find jobs and remain employed. Each client receives one suit when she has a job interview and can return for up to one week’s worth of professional separates when she finds work.

We also had several mentors come out and attend our event and speak with many of our attendees during the breaks. These included several Carleton graduates, former CU-WISE executives, and many people from the CU-WISE mentorship program. If you’re interested in the mentorship program visit the CU-WISE website for more details! ([carleton.ca/wise](http://carleton.ca/wise))

I think that I can speak for everyone and say that many great and useful tips, hints and lessons were learned and were taken away from that evening. However, “... just hearing it and keeping it at the back of your mind is not enough. Find ways to practice build and then utilize these skills. Volunteer, and get involved with groups at school and in your community... There’s no shortage of these opportunities! So take advantage of them!”





# EXEC REPORTS





## President

**Suzanne “Ducktub” Swaine**  
- AERO VI -

Hi C-Eng!

January has been an eventful one with CSES but we’re hoping to keep the momentum rolling for the second half of the school year. Our biggest event this month was the Winter General Meeting (WGM) where we replaced our VP Services, introduced our new CSCE councillor, and found ourselves a new secretary. It was disappointing to see the amount of change in council members this year, but I think our new Council members will do a great job and I’m excited to work with them more. Personally, I am ramping up my initiatives for the rest of the year. My Fall Term was ridiculous, my schedule was the worst I’ve ever had, and free time for above-and-beyond sort of initiatives was basically non-existent. My Winter Term schedule is much more flexible and I hope to be able to accomplish much more this semester and work even harder to try and improve CSES.

An issue with the CSES Constitution concerning our elections/council structure arose this week and so I invite all of you to read my article “CSES Breaking Constitution since 2007” and inform yourselves about this difficult decision that the Council was forced to make.

On that note, general elections are coming up!!! I hope ALL of you consider running for a position with CSES. If you want to jump in with both feet, look into an Executive Position, and if you want a lighter commitment, check out our Councillor positions. Questions about anything? Drop by the CSES office at 2090 MC and we’ll be happy to help you out!

Happy February!



## VP External

**Kevin “Assbeard” Atkins**  
- AERO II -

With the Winter General Meeting just passing, some new ideas have surfaced on how to make the VP-External portfolio more accessible to the engineering student body. The first project I am undertaking is to provide descriptions of all the positions in the Canadian Federation of Engineering Students and Engineering Student Society Council of Ontario. The goal of this document is to give students a background on what each position is, how they can get it, and so on. This should be completed in the coming weeks, and will be posted on the CSES website. The second project I am looking into is how to make the mandates of the meetings I attend more accessible to the members in a way that does not require people read through dozens of pages of minutes. I will be reporting on the best way to do this in my next Executive Report!

In other news, as announced at the WGM, Carleton University is hosting the Canadian Engineering Competition in 2013. Caleigh Rutledge and myself, Kevin Atkins and are the Co-Chairs for this event. We are currently looking for dedicated and enthusiastic people to apply for our organizing team. The organizing team is open to all students including those who will be graduated by the time of the competition. Application forms can be found in the CSES Office or Leo’s Lounge, and the deadline for all applications is February 14th. If you wish to see position descriptions they are attached with the application form in the CSES Announce E-mail. Good luck to all who apply!



## VP Internal

**Jamie “Invisible Man” Baressi**  
- SYSC III -

Hey C-Eng!

Hope you’ve been surviving your winter term so far! If you haven’t already, take a second to congratulate Kristen Van Den Tillaart if you see her in the hall. She was elected as your new VP Services at the last GM. On that note, council and executive elections for the 2011-2012 school year will be happening soon. If you’re interested in any of the positions don’t hesitate to contact the member of exec or council currently holding the position to find out more, and by all means run for a position. If you’ve got big and bright ideas for the future of CSES here is a great way for you to try and make them a reality! Maybe you have ideas right now of things you’d like CSES to try and accomplish by the end of this year. If so, by all means please contact any of your department reps or any of the executive, your CSES council is still here, and still working hard for you guys to keep CSES as the awesome society it is! That’s all from me for this month, keep warm, hit the books, party hard, and stay classy C-Eng!



## VP Services

**Kristen “Hop-Along” Van Den Tillaart**  
- AERO IV -

Hey guys,

My name is Kristen Van Den Tillaart and I am your new VP Services. Now to business! Leo’s Lounge is doing well. We will be starting weekly updates about CSES news and events on the monitor in Leo’s. The SGRC is also doing well. Remember, if you have a group that needs to meet, the SGRC is perfect for you. Visit [sgrc.engsoc.org](http://sgrc.engsoc.org) to schedule a time. We are beginning to increase the table size of the SGRC and that will be done hopefully ASAP.

We are also going to get a card reader system for the SGRC to make access and logistics a lot easier. The office is in full swing now, if you have any questions feel free to go to 2090 MC and they will all be answered. This year we will finally be getting new flooring in the office to get rid of the dirty, ripped, bug-infested carpet. That is all for now, keep on trucking everyone!



## VP Pubs

**Kaitlyn “Topless” Stockermans**  
- CIVE IV -

Ah February; the month of reading week, mid-terms and my birthday! And St. Valentine’s Day, but let’s glaze over that for the sake of every sane person anywhere. January has been a busy month, so I’ve been doing my best to get everything pubs related finished. I’ve been updating the website homepage more frequently and trying to get all the information on the rest of the site up to date. A list of what needs updating is definitely going in the transition report. The Iron Times is out (hooray!) and we actually had a surplus of articles this month (double hooray!). Other stuff I’ve been up to includes updating the glass case with our ever-changing executive, attending my office hours and attending meetings.

Tune in next week for ... Cooking with Calculus!



## VP Finance

**Jordan “Crack” Briggs**  
- AERO IV -

As last month I was told my piece was far too big and long to fit into the given space, even with significant grammatical lubrication, I’m keeping this one short and stubby. Student Group Funding applications are available in the CSES office and the CSES website on the Documents page; proposals are accepted until February 11th at 5:30pm Eastern Standard Time. The CSES Winter GM was Jan 18th, it was 6.5 hours long, and we’re allocating \$500 more for SGF this term. I can answer any questions via [finance@cses.carleton.ca](mailto:finance@cses.carleton.ca), or my mouth if you ask me in person. There...I finished in under 60 seconds.

*Editor’s Note: Last month’s report would have been half a page had it included the budget table that had been attached.*

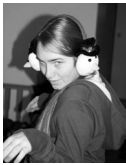


## VP Academic

**Josh “Canadian Pie” Coulbeck**  
- ELEC IV -

Hey everyone who actually reads these! I hope you all have a great day, and I mean it. I would like to thank everyone who bought or dropped off a book for this terms textbook trade. It went well. Twenty-five books were sold, and \$40 was made for charity by selling books donated by members. Unfortunately we had to cancel Interface, our networking event, this year but I will be writing a full report to hand over to next year’s VP Academic to make sure the event runs smoothly next year.

Later this semester, we will be running our own National Engineering Week (NEW). We are hoping to make a Rube Goldberg Machine! If you don’t know what that is, I recommend google-ing it. For those of you who are interested in getting involved with NEW feel free to send me an email at [academic@cses.carleton.ca](mailto:academic@cses.carleton.ca). Keep an eye out for an email in your connect account about elections for the new exec for CSES. This is your chance to have a say in what goes on, and make sure people you think will do a good job get elected.



## VP Social

**Steph “Calamity Jane” Seemel**  
- SREE III -

Reporting on Social events today we have me, Stephanie, your VP Social! It’s a busy semester, and I hope you are all coping with your winter term classes. Hopefully you were all able to make it to Yuk Yuk’s 2, lots of laughs. On a related note: Life got you down? Classes putting you in the dumps? Winter slum hitting you like a brick wall? Solution: come celebrate love (or the lack of it) on Valentines Day by joining us at the bar! Everyone has something to “celebrate” on Valentines Day! Also keep an eye out for whisperings of a group canal skate! The more of us that come the better we look; strength in numbers! Reflections plans are well underway, and it will be a fantastic night. Remember to save your money so you can join the grads as they celebrate their escape.

Remember, I am always available if you have questions/comments/concerns about the social events or anything you might want to talk about. Look for me around the engineering building, and keep an eye out for my posters!



## The Building is on Fire: Why You Could Die

Mark Strummer  
- AERO Alumni -

When I was going to start this article 2 months ago the fire alarm had recently gone off in the University Centre and within the next week it went off in Mackenzie. Originally, during the University Centre fire alarm I was frustrated because students did not seem to understand the concept that a fire alarm means that you should evacuate. By choosing not to evacuate, these students put a lot of other people at risk. The first person these students put at risk was themselves, while also risking the lives of the firefighters that have to enter the building to ensure that everyone has been cleared. So when someone walks through the building or decides not to evacuate because “it’s just a fire alarm” it puts them in danger. Also, it puts people that are physically incapable of clearing the building in danger. The Paul Menton Centre is on the 5th Floor of the University Centre and there are people on that floor who are unable to clear the building in an emergency. These are the people that need the firefighters but the stupid few other students that stay behind leave them in danger! In addition to this, since people have decided that it is just a fire alarm and they don’t need to evacuate, it takes even longer to give the all clear so that everyone can return to the building. Hence, the selfishness of a few put many in danger.

Furthermore, fire doors are there for a purpose and their purpose is to prevent a fire from spreading to the next building. I have no idea where campus safety was during this emergency but the fire doors remained open to the Tory building. As such, all the people in the Tory building and adjoining tunnels were in danger. Fire doors in ANY emergency should immediately close off the building permitting only exiting. Apparently, the ones of campus are designed to close when a fire gets close to them. Also, smoke is usually the killer in a fire. In fires, people will usually suffocate to death from smoke before they can be burned.

As previously stated, the University Centre incident was an irritation but I comforted myself with the fact that if Mackenzie were on fire, the engineers would have enough intelligence to clear the building and NOT to re-enter. This is untrue: even with the fire alarm going off and signs flashing in Minto above the fire doors stating there was a fire, people still entered the building! When people open closed fire doors, they put others that have safely evacuated at risk. While these people might not care about themselves, they should at least care enough about other people so as not endanger them!

Additionally, people should know to NOT EVACUATE INTO THE QUAD!!! There is a burning building surrounding everyone, why evacuate there? Everyone should clear WELL away from the building to ensure that no one gets hurt by burning debris. As an engineering building, it is very possible that it has things that explode. Additionally, if the firefighters need to get in through the quad, you’ll be in the way.

If people in Leo’s do not evacuate, the volunteers there are put in danger because they cannot leave until everyone else does; the same is true of classrooms. Professors and/or TA’s cannot evacuate until all other students have. Please keep these people safe and quickly evacuate the building!

If you are the last one out of a room, turn off the lights and close the door to ensure that no one else can enter. If you are in the quad, get out of it! I guarantee that if everyone that was in Leo’s starts to yell at the people in the quad they will leave soon enough. Ensuring your own safety as well as everyone else’s safety should not be a difficult or inconvenient task for anyone. It is something that we are all obligated to do and we should all face that challenge when it arises.

## Here We Go Again

Evan Heyes  
- MECH IV -

Well we have reached another CUSA election \*cue applause\*. Are we happy with the administration? Well I am biased, so I will not answer that question. However on the assumption that there is someone out there who agrees with my sentiment, here is my recommendation. Vote for Spiderman.

Yes you heard right, vote for a fictional character. If you prefer Superman, Batman, or the Flying Spaghetti Monster they are equally valid candidates as well. CUSA claims to represent all of our views, yet is put in power by a vote of only ~15% of the student body each year. Which means that the winner only has from 7-9% of the votes. And things like the U-Pass which are controversial, get put in by less than 10% of our population. Yet it gets forced down our throats like we are all behind them.

So this year I propose something a little off the wall. Let us let CUSA know what we think of all the candidates. Let a spoiled ballot this year mean that your faith does not reside with any candidate. If you actually care about the elections, but you don’t believe the lies, or misplaced promises the candidates provide. Spiderman won’t let you down. Why because when CUSA falls flat on their face, they can’t say they were voted in by the entire student body now can they? If more people spoil their ballot than cast a valid vote there may well be problems justifying their government. Now wouldn’t that be a show to watch.

## Dear CUSA

Andrew “Code Bank” Post  
- MECH III -

Dear CUSA,

You fight for rights and lower tuition, but do you fight for me? For many years you joined in the “Drop Fees” campaign, yet have you ever considered dropping or lowering your own fees? Why do you fight administration fee increases while you add Consumer Price Index, compounded yearly, to all of your own fees?

I have many more questions, key among them is this: will you let me leave? I do not wish to be part of your association. I do not wish for you to represent me. I wish to be a member in bad standing, as per section 5.1 of your unincorporated constitution.

I mention unincorporated constitution as you have two constitutions. CUSA ≠ CUSA Inc. I understand the convenience of having a separate incorporation around. It allows each ‘CUSA’ to have a different membership.

Dear Reader,

You are not a member of CUSA Inc., but I am. CUSA Inc. members consist of the CUSA council and CUSA executive of that year. Carleton pays CUSA Inc. your membership fees, yet you aren’t a member.

Let’s break down these CUSA fees:

Full time students only	
\$290.00	Upass
\$178.00	Health Plan
\$51.10	Unicenter Fee
All students.	
\$39.06	CUSA
\$5.67	Charlatan
\$12.48	CKCU
\$6.47	OPIRG
\$5.14	Accessibility Fund
\$4.50	Carleton Legal Project
\$8.02	Canadian Federation of Students (CFS)
\$6.68	Canadian Federation of Students – Ontario (CFS)
\$3.09	Clubs & Societies
\$1.54	Foot Patrol
\$1.24	World University Services of Canada (WUSC)
\$0.51	Interval House
\$0.77	Sock ‘n’ Buskin
\$1.00	Debating Society
\$2.05	Garden Spot
\$6.00	Millennium Village
Engineering Full time only.	
\$2.00	Engineers Without Borders

Is CUSA worth \$625.32/year to you? Let me know what you think: [apost@connect.carleton.ca](mailto:apost@connect.carleton.ca).

### From: The Editors <[irontimes@cses.carleton.ca](mailto: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.

...however brute intimidation works pretty well too, and often takes less effort.



GALLERY



For the record, chalk doesn't burn very vell.









# Relationships & Camaros

Jordan “Crack” Briggs  
- AERO IV -

Now that it’s February, the month of love and sappy romance, I should talk about relationships, and since I’ve had a long love/hate relationship with my car, I figured that’d be a good place to start. You see, for the past four years or so I’ve been the semi-proud owner of an old Chevy Camaro, a car that at one time was not only a looker, but a real performer. Sadly, mine is neither, but from 20 feet away when the sun hits her just right you won’t see the dents or rust as much, and I can live with that. Over those four years I’ve had both a lot of fun and a lot of frustration with that car, and I’ve certainly learned a hell of a lot. At the same time, in those past four years I’ve had a few romantic relationships, both the serious-long-term-lovey-dovey kind and the more ‘abbreviated’ kind. Likewise, I’ve certainly learned a hell of a lot. This might seem kind of stupid, but believe it or not there are some definite parallels that can be drawn between car ownership, and being in a romantic relationship. For example, owning a car or having a girlfriend are often two of the biggest expenses a man will ever incur during his lifetime. At the same time, they are most definitely worth every penny, and once you have one, the other, or both, you will never want to be without either. As well, sometimes a car will break down on you, and likewise, sometimes a girlfriend will break-up with you. Either situation tends to be devastating.

That said, I think there are some important lessons that gearheads like myself have learned from tinkering with our rides that tend to hold true in a real relationship too, albeit metaphorically.

### You never forget your first

When you get your first car, you have that tingly feeling that’s almost impossible to hide because you can’t stop thinking about your new wheels, and the next time take her out for a drive. You’re on cloud nine, and it doesn’t matter that she’s an old, rusty beater, because she’s your baby and you love her just the same. Eventually though, the pine-tree freshener scent will wear off and things won’t seem as magical as they once were. That’s completely normal. Generally speaking, the first car that most of us ever have will end up being totally wrong for us, and it’s only after you trade it in that you’ll finally realize this and laugh about it. I’m realizing this more and more every day, even though automotively speaking, I’m still stuck on number one and probably always will be.

### Driving stick takes practice

Nobody is ever good their first time. You’ll stall, shove it in the wrong slot, jerk around, grind the gears, and basically make a complete mess of a pretty simple task. It’s just one of those things that takes practice, and the more you get, the better and smoother you will be. It’s true that some people are more talented than others, but with a little patience and some tips from someone who’s more experienced (or the internet), you can master advanced techniques and be heel-toeing and matching revs like a champ in no time.



### Regular maintenance is a MUST!

Newsflash! Cars require maintenance to keep on the road (duh!) You have to check the tire pressure, fluid levels, and from time-to-time change the oil too. It doesn’t hurt to give it a wash and wax every now and then either. This shouldn’t be a surprise, but these days we tend to be so busy that we continually put off simple tasks like this, and neglect our wheels. When neglect begins to compound and fester, it will become plainly obvious to everyone that you don’t care about your car very much. More importantly, this leads to things beginning to go wrong, very wrong... and eventually break down.

Don’t buy the parts before you know what parts you need

I’ll admit it, I am guilty of this. You can’t fix a problem by buying a bunch of parts that you think it needs. You’ll end up spending a lot of time, money, and effort in an area that has little bearing on a positive outcome, because you didn’t take the time to fully understand the problem in the first place. I’ve learned the hard way that an \$8 tube of JB Weld and 10 minutes can sometimes be a hell of a lot more effective than 12 hours, \$200 dollars, and a whole lot of swearing.

### Always look and listen

An automobile is a complex machine, and each and every one has its own unique quirks, characteristics, and needs, and you must always pay attention to these. It’s imperative, therefore, that when you notice a puddle of transmission fluid in the driveway, or a weird squeaking noise coming from under the hood, that you check things out. There are always clear signs when something is out of whack, so don’t ignore them, address the problem and fix it somehow. Small problems ignored turn into big problems that can’t be fixed very easily, which leads us to the next point.

### Sometimes, you need a mechanic

You could be driving along, going out for a DQ Blizzard and having a glorious afternoon, when suddenly thum-thum-thum-glum-thum — she starts making some pretty violent noises and spewing a large volume of smoke. Some people just keep driving, but this never ends well. It’s always best to pull over, pop the hood, and assess the situation. It’s a good idea at this point to call that friend who’s a mechanic, because there’s a lot of shit going on under there, and sometimes the job is just too daunting to repair by yourself. Once you find the source of the problem, you’ll then find out it’ll cost an arm and a leg to fix. This is usually the point where you realize one of two things — that a) this is your own damn fault, because you let a coolant leak become a blown head gasket; or that b) despite proper care and upkeep, she keeps failing on you regularly and catastrophically, and therefore would be classified as a lemon. Life is full of lemons, not just cars but people as well, so the key here is recognizing when you have one on your hands, and that you sometimes need to get rid of it.

### Don’t be scared to take a test drive

There’s a lot of different makes and models of cars out there, and it’s usually impossible to tell if one will work for you without first taking her for a spin. Just because that hot little coupe has snazzy rims and a fresh coat of polish doesn’t mean that it’ll handle well, and test drives are sure-fire ways to root out lemons too. Sure, they may try and pressure you into signing something at the dealership, or they might even tell you to bugger off, but you’ll never know the result unless you chance it. Otherwise, I’d never have got to try out that shiny black Trans Am — and boy could that baby go!

## CSCE News

Greg “Bubblicious” Harrington  
- CIVE III -

Hi everyone! Your friendly neighbourhood Canadian Society of Civil Engineers has some announcements and reminders for you! Presented in list form, so this article doesn’t scare you away!

- 1) CSCE has just began running a help centre. If you are a lower year civil or enviro student who needs help with some homework, drop by our office, 3336 Mackenzie, between 5:30 and 7:30pm on Tuesdays, Wednesdays or Thursdays. We will have upper year students hanging around that would be glad to help you out.
- 2) T-Shirt Design Contest: submissions are still

being accepted for our contest! If you think you have a cool design that describes civil and enviro students at Carleton, submit it – winner receives their t-shirt for free.

- 3) Patches: we have flightsuit patches for sale! They are the CSCE crest and are CSA rated “extremely badass”. \$5 each.
- 4) Guest speaker: on February 16th, CSCE presents to you a guest speaker, Mr. Felice Petti. Mr. Petti, a Carleton alumnus, is the manager of Strategic and Environmental Services for the City of Ottawa. Come listen as he discusses his career and answers any ques-

- tions you may have regarding life after Carleton.
- 5) General info: remember, we have many services to offer you members, such as: free coffee (BYO mug), free printing (within reason), microwave, fridge, computers, and a textbook and exam library. You can borrow a textbook for 24 hours. New to the textbook library is Water Resources Engineering – enviros, you use this/will use this for your Water Resources course, and both civils and enviros use this for Municipal Hydraulics.

### That’s all for now!



# CMAS vs CSCE for The Carleton Cup

Marla “Frog Cooch” Haring  
- AERO IV -

You don’t need to be an athlete to race in the Carleton Cup and do well - you just have to be an engineer. Seriously- we proved it.

The Carleton Cup has been dubbed the “Ultimate Canadian Triathlon”. First you SKATE the Rideau Canal where you find a race organizer who gives you a drink ticket. (Technically you don’t actually have to skate - the competition rules allow you to accept a ride from any vehicle on the canal). Then you RUN to a pub in the Byward Market, and DRINK a BEERvrage of your choice. Organized by a group of Carleton students in 1989 as a fundraiser for the Canadian Cystic Fibrosis Foundation, the race has been held every year since with the exception of a few years where global warming downright won. This year, the exec of CMAS issued a challenge to our CSCE neighbours down the hall to try and determine who would be the ultimate winner. The “ultimate winner” was the team who had the fastest team time. The team time was the average of the times of the first 5 skaters to reach the pub first. The teams could then earn some bonuses to reduce this time (it was also thought that these bonuses would help even the playing field a little):

- 1) The Booty Bonus. If a female finishes in the top 5 - she gets a 60 second reduction from her time, and this corrected time is used to recalculate the team time.
- 2) The Body Bonus. -5 seconds from the team

time for each addition racer past the 5.

- 3) The Bounty Bonus: -1 second from the team time for each dollar raised beyond the \$20 registration fee.

CMAS was not the ultimate winner. (This makes me hang my head in shame since we issued the challenge). In the end, CSCE kicked CMAS’s ass with a corrected team time of 23:42. CMAS rolled in about 5 minutes later finishing with a corrected team time of 28:06 min. HOWEVER if you disregard all the bonuses, and just average everyone’s time CMAS won with a time of 45:35 mins beating CSCE by 5 seconds! (so in actuality CMAS is faster overall)!

We thought this would just be a fun battle between the streams; (and I thought CMAS was going to win); we didn’t actually expect to do well. We thought we’d just make a scene, and have a bunch of Flight-suited folk fly down the ice, then run with determination to the pub. We tried to be nice and let the “real triathletes” win the ever coveted gulp of nectar from the victory quart. (Translation: “Nectar” = Labatt 50; “Victory Cup” = the 22-year old skate boot on top of the trophy). We failed at this on epic proportions. We actually did well. Very Well.

- HUGE congrats to Liza Rozina (CSCE) who was the fastest female out of EVERYONE, and will now grace the Carleton Cup record books for eternity.

- BIG congrats to Jeff Teutsch (CMAS) who finished 2nd overall for men and Lindsay Cook (CSCE) who finished 3rd overall for women.

- LARGE Congrats to the following people who out of the 90 men and 59 women racing in total, finished in the top 10 in their respective categories:

Men  
Jeff Teutsch (CMAS): 2nd  
Sebastian Traczyk (CSCE): 6th  
Alex Hayes (CSCE): 7th

Ladies  
Liza Rozina (CSCE): 1st  
Lindsay Cook(CSCE): 3rd  
Tiffany Garnett (CSCE): 4th  
Marla Haring (CMAS): 7th  
Maxime Turcotte-Noovosedlik(CMAS): 10th

- HIGH FIVE to Matt Cross who was the only one who actually fundraised.

This clearly proves that engineers are actually athletic - especially with the motivation of there being a nice cold beer at the end. The goal for next year is to have a bigger C-Eng presence, since it was awesome on so many levels. Nigel’s wipe-out within the first meter of the race was awesome. Jeff being within a meter of skating over a small child was epic. And CSCE making streamer bow-ties for everyone was epically awesome.

## The Tech it is a-Changin’ Pt1

Gilles “Nightstalker” Messier  
- AERO IV -

On December 30, 2010, at Dwayne’s Photo in Parsons, Kansas, the last roll of Kodachrome photographic film was processed. The shop, the last lab licensed by Kodak to process the film, had run out of the rare developing chemicals. After 75 years of continuous production, the venerable giant of colour photography was dead. Reading this story, I could not help but ponder the sheer rate of technological change these days. In the past, giant paradigm-shifting innovations – the steam engine, electricity, radio, air travel etc. – took decades to change the world. Often their effects were only felt from generation to generation. Yet I, at only 21 years of age, can list countless technological quantum leaps over the last 10 years.

Take photography, for example. A mere six years ago, on my first school trip to Europe, I still packed an ordinary film camera. Much of my travel budget was spent on film or disposable cameras. Back home, unveiling the developed prints was something something of a ritual. The excruciating wait for processing would give way to tantalizing excitement as a parent would return home with an armful of distinctive purple envelopes. My family would gather at the table and slowly open each envelope with all the tension of an awards show. The whole affair had a great air of mystery and anticipation; when you pressed the shutter release, you had no idea how that shot would turn out. Some were awful and quickly discarded, most were average, but a rare few were unexpected surprises, fit to be bound in a hefty trip album. Like the proverbial box of chocolates, you never knew what you were going to get.

One year later, leaving for my next Europe Trip, I packed a 6.0 Megapixel Olympus digital camera. I have not used analog film since. The abruptness of this transition is made even more astounding by the evolution of digital cameras themselves. In 2005 – the year of my first Europe trip – I won my first digital camera at a Science Fair. A first-generation Kodak, it was something of a toy: a clunky silver box with a tiny screen, horrible image quality and horrendously slow

upload speeds through the provided dock. At the time, I could not have imagined how powerful – and ubiquitous – digital cameras would become in the span of a single year. Gone now are the family print unveilings and the mystery and anticipation thereof. Yet gone too are the paranoid glances at the exposure counter, the long wait for development, the high cost of film. Now, with a decent memory card I can take as many photos as I please, instantly see the results, correct any mistakes, and sort through the resulting pictures at my leisure. Photography has become more flexible and convenient than I ever imagined possible.

This onward march of technology is by no means restricted to photography. I have seen the music media change from cassettes to CDs to purely digital formats. The way we watch and experience films and television has also changed dramatically. I remember visiting the video rental store being something of a treat. Perhaps once a month or less, my family would rent 2-3 films; besides even rarer trips to the cinema or the occasional TV movie, these were the only occasions we would watch new films. When flying, only international flights had in-flight movies, and these were preselected and presented on shared, overhead screens. You had to hope a good film would come on. And when watching television, you had to be available at airtime or program your VCR to record the show. Otherwise you were out of luck. This situation changed little with the advent of DVDs, other than the disappearance of rewinding and the VCR “tracking” knob. Then internet and digital format movies arrived. I have not rented a film or watched TV in nearly five years, for now I can download any movie or show in minutes and watch it whenever I please. And now when I fly – even domestically – I have a personal screen and a wide selection of digital movies and shows at my fingertips.

Yet perhaps the greatest technological advances in my lifetime have been in telecommunications and computing. I clearly remember my family’s first computer: a 75 MHz Power Macintosh with 500 MB of memory and a clunky black-and-white printer that took

minutes to print a single page. Many of my elementary school’s computers still had monochrome displays. Today, smart-phones are many times more powerful and inch-long flash drives can hold hundreds of gigabytes. Cell phones themselves – even the most basic - are a far cry from the first such device my family owned: a clunky brick with separate handset kept in the car for emergencies. And long gone is the pager, once my only method of contacting anyone away from their land-line telephone. Most amazingly, however, the internet – once a slow and temperamental service accessed occasionally (and mostly out of necessity) through noisy dial-up modems - can now be readily and quickly accessed almost anywhere in the palm of your hand. And GPS, once the preserve of the military or rich gadget enthusiasts, is now ubiquitous to such an extent as to be almost science fiction.

Where there is technological change, however, social change is not far behind. Much has been written about such socio-technological phenomena as Facebook, but what about other, equally pervasive technology? How has digital photography, cheap GPS or even the word processor changed us? Will future generations see the digital revolution of the past 10 years in the same manner we see the industrial, electrical or transportation revolutions of past centuries? Stay tuned for part 2 of this article, where I will examine these questions and more.

### Post Script

Though probably unique to my family, one childhood memory above all encapsulates the technological leaps and bounds of my lifetime: the carousel slide projector. Whenever a thunderstorm rendered our old rabbit-ear television inoperable, my father would compensate by dusting off the projector and showing the same old vacation slides. I have never seen a traditionally projected slide show since I was 7.

Feel free to share your early tech memories. Drop a message in the feedback loop.

To certain complaining members: should you wish to change titles, you can write your own article and title it yourself.



# CSES: Breaking Constitution Since 2007

Suzanne "Ducktub" Swaine  
- AERO VI -

Here's why:

The CSES Council is currently structured as follows: 8 Executives, 4 Departmental Councillors (DOE, MAE, CEE, SCE), 4 Stream Society Councillors (CMAS, IEEE, CSCE, SCESoc), and 2 First Year Councillors, for a total of 20 voting council members. The council has been structured like this since 2007. Before that, there were 8 Departmental Councillors. I believe the change in structure was made to strengthen the relationship between CSES and the student members. Having 8 Department Councillors meant that there were four pairs of councillors with identical job descriptions: go to departmental meetings and bring back that information to the members. With 4 Department reps and 4 stream society reps, CSES still had those seats on the department boards, but gained a stronger connection to the students.

Now, the issue with the Constitution arises from Part III Article 3.1 of the Constitution which states "Councillors shall be elected at an election for a term ending on the last day of the Society Year." Before the change in council structure, 18 members of the CSES Council were elected annually in February, and the two First Year Councillors were elected in the fall. After the change in council structure, only 14 members of the CSES Council were elected; the Stream Society Councillors were always decided upon by the respective societies.

I believe one possible reason the Constitution wasn't changed to reflect this after the restructuring was because it was believed that the Stream Society Councillors would have been elected by their societies, and this would satisfy the Constitution. Another possible explanation is that the council, particularly the VP Internal, at the time was not aware of this section in the Constitution, or else it would have been put forward at a Constitutional General Meeting to be amended.

At the January 25th 2011 CSES Council meeting, the writ of elections was put forward for approval. This writ was very similar to the one used in previous years, and we were not expecting any trouble in passing it. It was also required that we approve the writ of elections that night so that it could be posted that week, giving proper notice to students regarding the election. At the council meeting, the issue was brought forward that if the Stream Societies simply appointed their councillors instead of electing them, we would be breaking Constitution, and as we have little control over the decisions of the Stream Societies, this was almost certain to happen every year.

The suggestion was put forward to simply change the structure of council back to having 8 Departmental Councillors. Now, I have been involved with the society since my first year, 6 long years ago. I have been Secretary, VP External, Advisory Director, and President for CSES, as well as VP Development on the ESSCO (provincial engineering society) Exec. I have seen many forms of council, many constitutional amendments, and many restructurings. As President, I was elected by you, the members, to guide the society, and I try to do so using my best judgement and experience. After weighing the options, I decided to speak against this proposal for the following reasons.

1. Stream Society Councillors provide a valuable direct link to the students which would otherwise be lost.
2. The suggestion that Departmental Councillors be required to attend Stream Society meetings to maintain that link was met with resistance from the current Departmental Councillors.
3. Newer stream societies have expressed an interest in having council seats added for their societies, showing that the stream societies themselves feel there

is a benefit to these council positions.

4. CSES has essentially been breaking our Constitution since 2007. I believe members would be less upset that we had broken the Constitution for an additional month and a half (a constitutional GM will be held in mid-March where many changes will be necessary) than if we had restructured council so drastically without notice to the members.

Had the problem with the Constitution been brought forward a week earlier, we could have brought the issue to the members at the Winter GM. I do not know when the issue was discovered but it was only brought forward to the Council on the very night that the writ HAD to be approved. This approach did not allow for proper discussion, investigation, or consultation with the members. After an animated discussion with the council and members present at the meeting, a vote was held for the approval of the writ, pitting those who believed the best course of action was maintaining the current council structure and breaking the Constitution for another month and a half was ok, against those who believed it was necessary to change the structure with no notice to members and stream societies because they believed the Constitution should be followed absolutely. It was a hard vote, as I believe every councillor fully grasps the importance of the Constitution, but the final vote came out 8-5 in favour of maintaining the current structure. Believe me when I say I am not comfortable breaking the Constitution, however I believe in this case it is the best course of action for the society.

I ask you all to weigh the merits of both sides of this debate, and I invite anyone with questions or comments, or anyone who wishes to further debate this with me to email me (President@cses.carleton.ca), drop by the CSES office on Monday mornings (I have office hours from 10:30am-1:30pm), or to attend a CSES Exec or Council meeting (Tuesday evenings at 5:45pm in 2014MC). The best way to have your voice heard and contribute to this debate though, is by attending our Annual General Meeting in mid March where we will be updating and improving the Constitution, and where all of you (members) will be allowed to write and submit motions and have your vote.


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# LAST WORDS



## Uses For The Charlatan

- Stuffing your hobo coat to keep warm
- Lining your greenbin, remember keep the compostables together
- Keep your desk clean while refilling a toner cartridge
- To show the dean what they get to write (making us look good)
- For you veteran sleepers out there, it can be rolled up for a make shift pillow, (not recommended for beginners).
- Place some underneath the CMAS chairs so you don't break windows everytime you slide them across the floor.
- When mounting a dartboard on the wall, it's a good idea to have a backstop so you don't poke holes in your wall. 1 inch worth works.
- You can read it.

## Sleeper of the Month



This month's sleeper is a tie between a Carleton student and a U of Alberta student. Max "Round Two" Turcotte-Novosedlik and Matt "Wolverine" Jackman were equally hilarious in their choice of naptime locations.

A world class power-napper, Max is often seen making use of the CMAS couches. On this particular day, all the couches were otherwise occupied, but she noticed an available desk. After 90 minutes, she awoke to continue her day as if she had just gotten a full 8 hours.

Matt was found sleeping curled up in a ball on a chair after spending a long day as a GNCTR Spirit, whose job is to keep the action moving and the blood pumping.

### FEEDBACK LOOP

```
for statement = 1 to n
```

Is a rivalry between two vegetarian's still called a beef?

```
next statement
```

If at first you don't succeed, then skydiving is not for you.

```
next statement
```

Why I drink: ELEC 3605, MAAE 3004, MAAE 3202, MAAE 3300, MATH 2004, Fluids, MAAE 3901, Engineering, and I just like beer.

```
next statement
```

To the husband of Dr. Linda Duxbury all the students in the 4th year engineering Professional Practice course want you to know that she was very very good.

```
next statement
```

I vote we rename the Iron Times the Aluminum Alloy Times. BTW, Aeros rule. Y'all know that anyway.

```
next statement
```

It's making noise when I stick it in!

```
next statement
```

Sigmund Freud approves of paragraph 13 in Luis Lopez's PEO Article.

```
next statement
```

CEng hookups with other schools seem to be happening more than usual this year...

```
end
```

Want to say something? Post to the loop at:  
[irontimes.engsoc.org](http://irontimes.engsoc.org)

\* 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.

## Upcoming Events - February

30	31	1	2	3	4	5
		National Freedom Day	EWB National Conference Presentation	CSCE Movie Night	World Cancer Day	National Weatherperson's Day
6	7	8	9	10	11	12
Waitangi Day	First Untethered Space walk	Daniel Bernoulli's Birthday	EWB Movie Night	Deep Blue defeats Garry Kasparov	Flightsuit event	Social Event
13	14	15	16	17	18	19
Lupercalia	V-Day Pub	Flag Day	CSCE Guest Speaker	Canal Skate	Discovery of Pluto	Launch of Mir Spacecraft
20	21	22	23	24	25	26
World Day of Social Justice	Mother Language Day	Celebrity Day	Silver Dart First Flight	Iron Times Articles Due	Colt Revolver Patented	First Flight of the Saturn IB rocket
	R E	A D I	N G	B R E	A K	
27	28	1	2	3	4	5
German Reichstag fire	National Science Day					

### Watch out for the next



### \$March