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the carleton student engineering newspaper

# THE IRON TIMES

Who Rules the World!

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October 2015



## ENGFROSH: Adventures and Friends and Fun! *(Oh my!)*



Megan McEwan  
- ELEC I -

A few weeks ago, I loaded up the family van with all my prized possessions and drove 9 hours from home to begin my new life as an engineering student at Carleton. As a small-town student with limited social skills, I was terrified of what my life at Carleton would be like. I pulled up in front of my residence building, apprehensively looking around. And then...my car was attacked by what I could only assume were mutant purple aliens. They swarmed around, grabbed everything I owned, and carted it to my room, shouting "OPEN THAT DOOR!" as they went. Later I realized this was just the begin-

ning of what would become one of the most incredible experiences of my life – EngFrosh.

After a week of intense activities, screaming cheers at the top of my lungs ("HAIL! POSEIDON! HAIL, HAIL, POSEIDON!"), and doing everything from building a boat till 6am to running through downtown, I can honestly say that EngFrosh is something that no first year engineering student (or any student, for that matter) should pass up. Every night I would come back to my dorm and tell my jealous roommates about all of my adventures, and almost inevitably they would sigh and tell me, "that's way cooler than what we did".

EngFrosh is incredibly well organized, and designed to help everyone, from local students to those like me who don't know a soul, to get out, have fun, and become part of the engineering community. I got to meet new friends, ask upper-year students

questions about my stream, and learn about all the fantastic opportunities that CEng has to offer. Night after night of awesome activities ensured I was never bored, and the heads and facils all did a fantastic job making sure everyone was having the best time possible. All the heads and facils were impressively dedicated to making the frosh feel welcomed and included, and they made sure everyone could have fun.

By the time closing ceremonies rolled around, my district was really close. As we dyed our fingers purple, I felt incredibly proud of my team and confident for my future as part of the CEng community. EngFrosh made me ready to tackle whatever my classes this year throw at me, and I know that before I know it I'll be one of those navy blue shirts, welcoming next year's frosh and ensuring that they have as much fun as I did. Until next year, EngFrosh!

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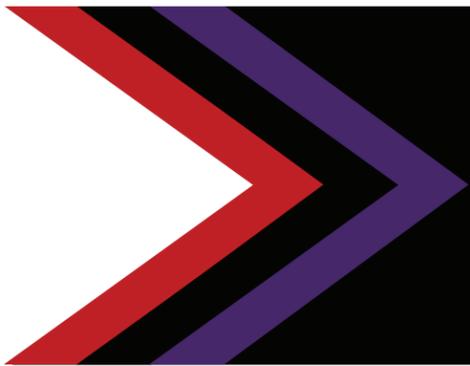
ENGINEERING WITHOUT  
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AND MUCH MORE!!!



WARNING: This publication may contain offensive material, and should not be read by anyone who is easily offended. All opinions expressed within are solely those of the writers and contributors, and do not reflect the views of the Carleton Student Engineering Society. This paper is satirical in nature, and is not intended to be malicious in any matter.

If you wish to express your views on the content within, please email us: [irontimes@cses.carleton.ca](mailto:irontimes@cses.carleton.ca)



# EDITORIALS

More like the very messy kitchen table of the editor

## FROM THE DESK OF THE EDITOR

### ELEC1001: ELECTIONS ARE UPON US!



Rebecca "Swallow" Feddema  
- Arch Eng III -

So, here in Canada we live in a democracy. Which basically means for the first 17 years of one's life the only thing you know about the government is whatever your parents complain about. Well now that you're in university you've got a chance to make a difference! Did you know that in 2008, voting turnout in Canada hit an all-time low, with only 58.8% of eligible citizens voting? And in the last federal election, back in 2011, only 61.1% of eligible citizens voted. And during this election only 38.8% of Canadians, aged 18-24, voted! That's appalling! If you want the democracy to work, you should at least get out and vote. As my parents always say, if you don't vote, you give up your right to complain. And we all love complaining.

Now that elections are coming up in October there are a few ways you can do your duty to vote.

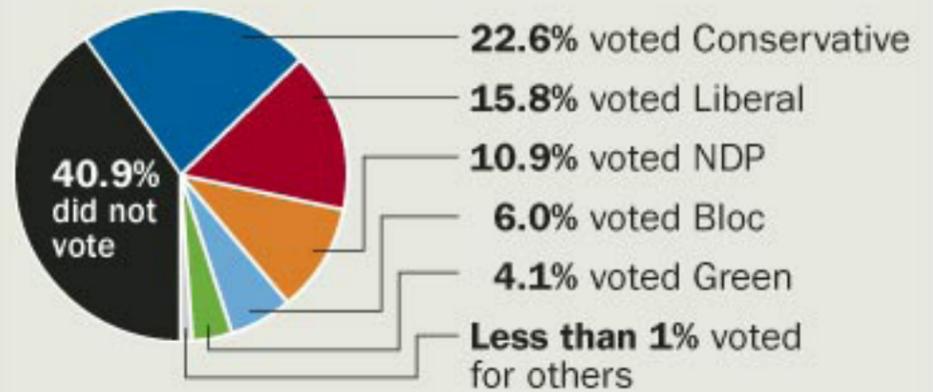
1. Vote on Monday October 19th at a voting station here in Ottawa. Check out the elections website to find a spot to do so.
2. Vote at one of the advanced voting days while you're home for the Thanksgiving weekend. Advanced voting happens on the 9th, 10th, 11th, and 12th. This way you don't have to worry about proving your residence here in Ottawa, because you can use ID that has your home address on it, like your license.
3. Vote by mail. If you aren't going home anytime soon but still want to vote in your home town riding you can vote by mail. Check out the elections Canada website and apply to vote online as soon as possible so that your voting kit can be sent to you.

Now, if you have chosen to vote here in Ottawa on the 19th, and you aren't from Ottawa, let's make sure you are all set to do so. First let me suggest that you make sure you are registered to vote. Go to the Elections Canada website to check if you are regis-

#### VOTER TURNOUT

**23,041,064** Canadians were eligible to vote  
**9,208,092** did not vote — that's almost as many as the population of all four Western provinces.

#### OF ALL ELIGIBLE VOTERS ...



Totals do not add up to 100% due to rounding

SOURCE: ELECTIONS CANADA

THE OTTAWA CITIZEN

tered. If you aren't yet registered (yay first time voters) follow the links on that website to become registered.

Now that you're registered how about you start doing a little research into the different political platforms that you will get to choose from. Might I suggest checking out [canada.isidewith.com/political-quiz](http://canada.isidewith.com/political-quiz). This site has a quiz you can take that gives you a general idea which political plat-

side with the most.

So now you feel ready to vote, let's make sure you will be able to vote. Since you have decided to vote somewhere that is not your home town you are going to need proof of your identity and proof of your living in Ottawa. This is as simple as bringing your license, or other ID, and your latest utility bill to the voting station with you. If you live on res you can get a copy of your residence agreement or a letter indicating that you live on res from the housing department. And it's as easy as that.

Now you should all be ready to get out there and vote! Though you might want to check out the elections Canada website if you have any questions.

Happy voting!



# EDITORIALS

You have something to do with the environment and the girls will come!



## #JustArchEngThings



Ryan "Hell Boy" Waddell  
- Arch Eng III -

I am in Arch Eng, one of the few streams where the male population is the minority. I am in a position which is most guys' dream. Our study sessions are me, and mostly girls. Our parties are me, and mostly girls. Our group chats are me, and mostly girls. When we get ready for events it's generally me, and mostly girls. Are you noticing a pattern here? When I tell non-engineers I'm in Architectural Engineering they assume one of two things: either that I'm in architecture, after which they begin to talk to me about stuff completely unrelat-

ed to engineering; or that all of my classes are sausage-fests, and I get the classic response, "Man, is it true that you go to class and there's like no girls there?" to which I give the, again, classic response, "Usually in engineering that's true, but Arch Eng is actually completely different!" I've gotten some very weird faces from that...

When I tell other male engineers about the male to female ratio in Arch Eng they always tell me how "lucky" I am. While it does sound like an ideal situation in theory, it's not always the case. Now, I love my Arch Eng family, and we really are a family, but sometimes a guy just needs some bro-time.

For the female readers out there who are not sure what bro-time entails it's simply just men (or boys) getting together and hanging out. Pretty simple.

Now I know some people are reading this and proba-

bly thinking this guy just wants to complain because there can't be anything that much different from men and women hanging out together. Weeeelllllllllll, there is a reason why there are sayings called "Girls Night," and "out with the guys." Men and women are just different, and not different in any negative way, just different. This is also why there are Bachelor/Bachelorette Parties. Men and women just think differently, and act differently together. So what I would say or do with the guys, I might not say or do with the girls, and vice-versa. And that's not to say that my male friends know me any better or less than my female friends, it's just different.

To any other guys out there going through the same thing as me (or for the younger male Arch Eng's) I will share my advice. Find some guy friends in other streams too, because bro-time is a thing that's actually needed. Also, if you can keep in touch with your guy friends from high school that works for me! I basically stock up on bro-time every summer so that's one way!

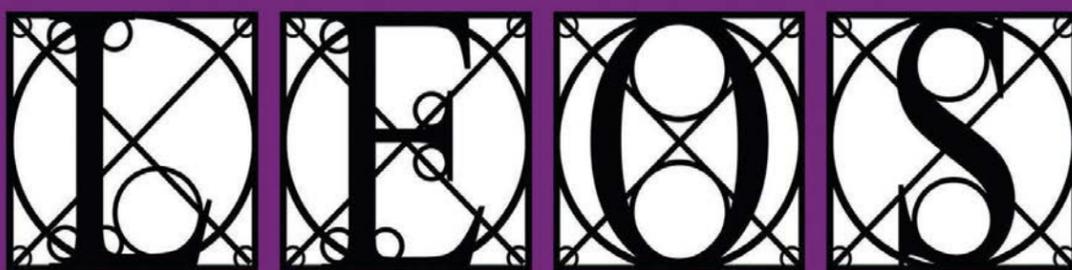
Although, this situation also works the opposite way too! Not only am I surrounded by girls, but sometimes getting



## BROFIST

away from a room filled with testosterone can be good. Some guys are just too competitive, so it's nice to be able to get a break from all of that.

Anyways, enough complaining, my Arch Eng friends are just as wonderful as all my other friends. Hope you guys enjoyed my opinion piece!



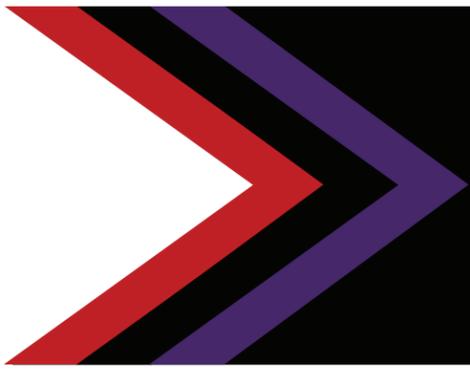
## [CANTEEN & LOUNGE]

Cheapest food on campus

3342 Mackenzie  
Sign up to be  
a volunteer

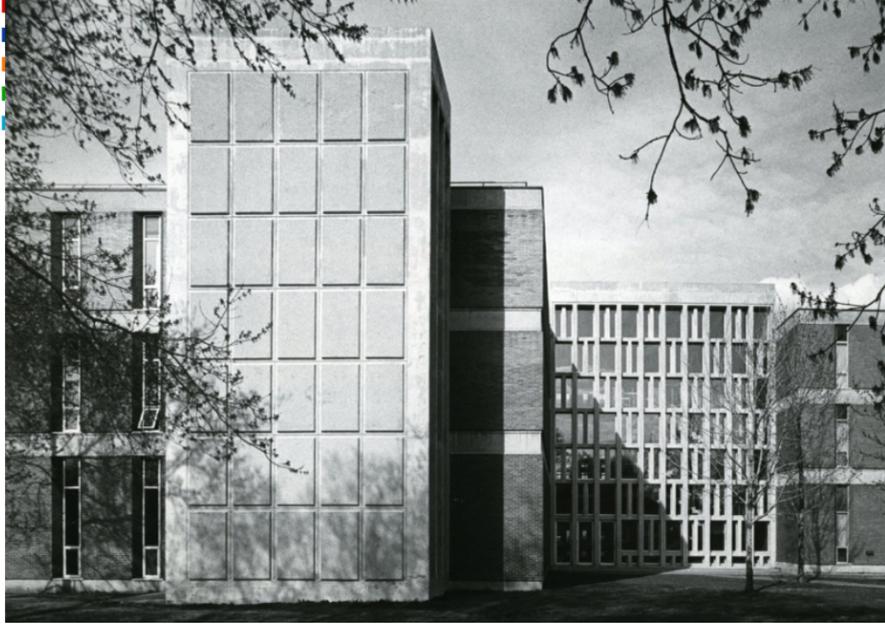


Coffee	\$1.00
Tea	\$1.00
Muffin	\$1.00
Hot Chocolate	\$1.00
Chocolate Milk	\$1.75
Sandwiches	\$4.75
Naan	\$4.00
Samosas	\$4.25
Pizza Pops	\$2.00
Instant Noodles	\$1.00
Chocolate Bars	\$1.25
Protein Bars	\$1.50
Chips	\$1.75
Bottle of Pop	\$1.50
Can of Pop	\$0.75
Vitamin Water	\$2.00



# COLUMNS

A world untouched by reverse engineering projects and heritage essays



## THE WORLD OUTSIDE OF MACKENZIE



Stephanie Symonds  
- Arties IV -

on October 19th, 2015, contrary to fixed election date legislation. All of the major party leaders are facing criticism as the longest election period in Canadian history hits its stride. The economy is currently rated the top issue for Canadian voters, according to the Angus-Reid Institute's latest survey, and for good reason: Canada is now officially in a recession (defined by a decline in GDP over two successive quarters.) In mid-September, the federal government released its report for the 2014-2015 fiscal year, indicating a surplus of \$1.9 billion. Many see this as good news for the ruling Progressive Conservative government. However, critics say this surplus indicates a lack of investment as the Canadian economy falters.

Meanwhile, New Dem-

ocrat Party Leader Thomas Mulcair has announced that along with their various spending promises, an NDP government would not run a deficit if elected. He hasn't denied that this will mean cuts to ensure his parties' various promises are kept, but has offered only a few examples, such as the end of Harper's income splitting. This promise leaves the Liberal Party of Canada, led by Justin Trudeau, as the sole major party planning on running a deficit if elected. They do, however, promise to balance the books in 2019 after several years of infrastructure spending meant to boost the Canadian economy. He has been accused of "changing his tune" by Stephen Harper, a reference to a now-infamous comment that "budgets balance themselves."

Meanwhile, the refugee crisis from the Middle East has worsened significantly as ISIS continues its war. Countless people are fleeing from Syria and other neighboring nations as violence, executions, rape, and infrastructure damage continue. Germany has committed to taking in 800,000 refugees this year, which is by far the most generous promise in Europe. Refugees now make up about 20% of Lebanon's population. Canada, which has in previous crises been known as one of the most generous countries when it comes to refugees, has taken in only 1000 people, with no substantial promises to bring anyone else into Canada. This has drawn criticism from many leaders, especially as Canada continues to label itself a leader in this area. The UK has committed to taking 4000 a year over five years, which is also drawing criticism as being too little for the scale of the humanitarian crisis. The EU is in critical talks at the time of writing as thousands of people have died, risking their lives to try to escape the violence and get to Europe via the Mediterranean. This has been called the worst refugee crisis in 30 years, and the numbers are certainly reflecting that assessment.

It's a busy time from both a national and international perspective. At home, election season is underway as the Canadian government posts a surplus for the past fiscal year. Meanwhile, the refugee crisis in the Middle East is dividing people globally as governments try to decide how many asylum-seekers they will take – and what sort of funding they will provide those refugees once they arrive.

The Canadian people are preparing for an election

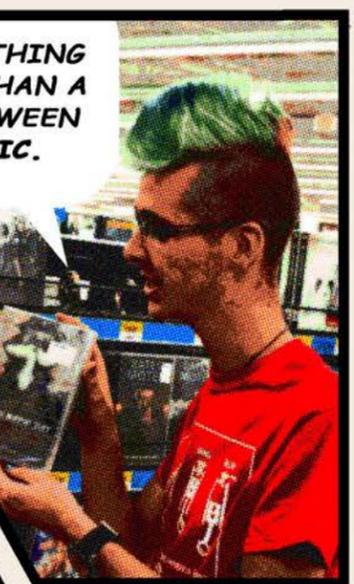


# COLUMNS

October: also the best month because there are only 15 days of class

## CARLETON CHRONICLES #2

DON G.L. JACKSON



Midterms: the confidence shattering prequels to finals

# COLUMNS

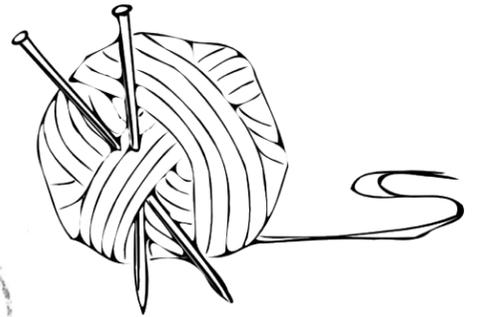
Introducing a new way to procrastinate from doing your school work: knitting!



Zoe Crowston  
- Arch-Eng IV -

## GETTING TO KNOW YOUR

# Yarn



Happy October! It's getting harder and harder to pretend that summer isn't ending and that fall hasn't hit us. With this time there comes the pumpkin spiced anything, sweaters and tuques. Maybe you've decided you want to buy some yarn and try your hand at knitting or crochet. If this is the case, High-Five! You've made a great choice. But now what kind of yarn are you're going to get! Hopefully this article will help you figure out the different usages for various types of yarn and help you pick the most appropriate for the project you're going to work on.

As a first time knitter, I would suggest you go with an acrylic yarn. It comes in a wide

variety of colors, widely available and will be the cheapest option. It won't lose its shape if you wash it, and is a consistent thickness throughout the whole skein, which might not be the case for some art yarns. Down side is that acrylic isn't very warm, if you're wearing your hat in a windy climate (Ottawa for example), it will not keep you as warm as other types of yarn. Also if you buy the cheap acrylic is can be very scratchy to work with (\*cough cough\* Red Heart Super Saver \*cough cough\*). I would recommend Caron's Simply Soft, it comes in some nice colors and is really soft. I find that it knits looser than most yarns work with so keep that in mind.

If you don't like acrylic and want something a little more natural super wash wool is a good option. Super washed means that it has been washed to the point where it will not shrink when you wash it after you're

done your project. It's a better insulator than acrylic yarns, which is great if you're making hats or mittens. It will cost you a little bit more but it still a very reasonable price. There's other type of wool yarn. If you pick one for your project, I would highly encourage making a sample square and washing it to see how it will shrink.

There's other fibers like cotton and bamboo that you can find decently easier. They're natural because they're plant based. They don't insulate that well, cotton absorbs water really well, which is why most people make dish cloths with it. Bamboo I find is kinda slippery to work with. It doesn't really hold its shape well. With these two types of yarn they aren't usually produced in heavier weight yarns compared to wool and acrylic. So you might have trouble finding really thick cotton yarn at Michael's.

There's so many other types of yarn but the last one

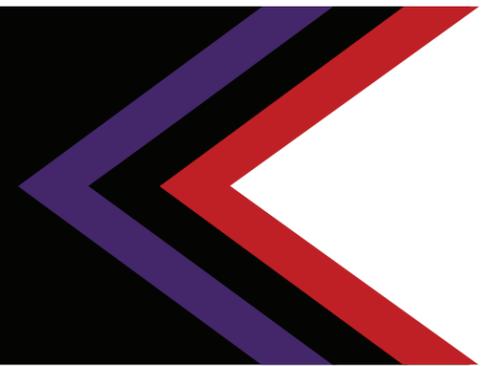
I'll mention is my personal favorite, Alpaca! Softer than most wools and crazy warm, alpaca is great to work with. I've made mittens out of alpaca and made strangers on the bus feel them because of how soft they are. The may reason I don't buy alpaca all the times is because it's much more expensive and a bit harder to find compared to other yarns. I have trouble justifying buying alpaca yarn in colour I find cute when I can't really afford food most days.

I hope that this helps you with any yarn problems that you were having.

Later days!



# COLUMNS



## Fourth time's a charm



Katelynn  
"Flying Dutchman"  
Bolster  
- Aero III -

## EngFrosh:



do Frosh week at all, I would definitely recommend volunteering to be a facilitator for EngFrosh next year!

Facilitating for EngFrosh definitely gave me the best start to a school year that I have had yet, and the lack of sleep is hundo P worth it in the end. I would be hard-pressed to choose a favourite moment from the week, but there were a few that certainly stood out.

Monday, August 31: Beach Day [best day]. This day gave me my first-ever whitewater rafting experience, as well as a callsign! Although I was grumpy at having to wake up at 4:00 am after doing

walk-homes from the video dance the night before until midnight, beach day was very possibly best day. Monday also gave me my first taste of the Treasure Hunt, resulting in me being awake for 21 consecutive hours, running on 3 hours of sleep. 10/10 would do again.

Thursday, September 3: Heads' Idol. This was probably the most entertained I have been in the Kailash Mital Theatre. Shout-out to Wesley Chee, Allan Bassi, and Justine Godin of the Volcanic District! The evening brought more scavenger hunting with a couple of very motivated Frosh and other facils. Not going to bed and still attempting to go to my 8:30 am classes may not have been my wisest decision, but the overtiredness of this evening made for some great memories. "This one time, at Volcano Camp, I was on my way to bed when we finally found a clue and decided to keep going all night."

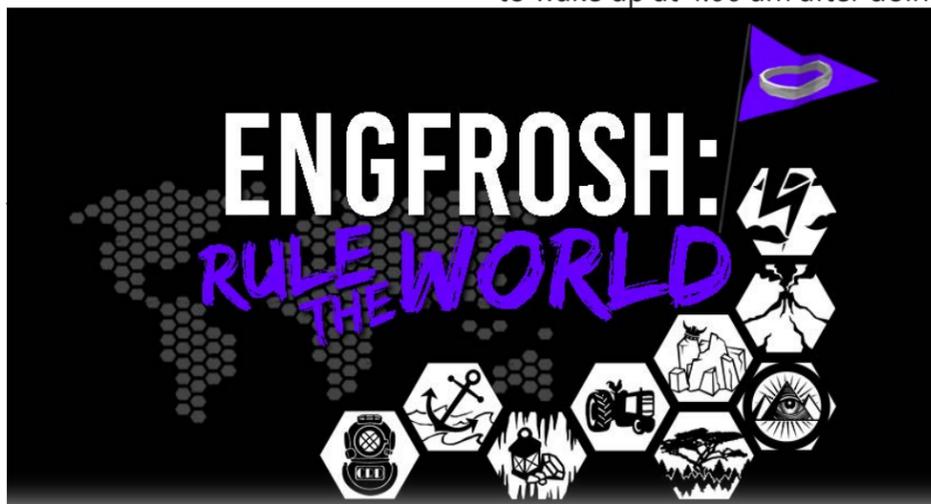
Saturday, September 5: MarketSCOTT and All-Night Boat

Building. Saturday definitely gave Beach Day a run for its money as "best day." This day was hilarious and fantastic, especially a few of us almost getting team volcano tattoos (yes, real ones – but we didn't do it). Boat building was also a great event, but I took the opportunity to catch up on some much-needed sleep.

Sunday, September 6: Boat Races and Closing Ceremonies. The boat race on Sunday was unreal. A huge comeback by my team, the Volcanic District, to come in second place, as paddled by Elliot Eydelman and Jessica Hann. Of course the traditional cake fight at closing ceremonies was also a great time, although bittersweet as it marked the end of the best first week of school that I've ever experienced.

All in all, I have to say that my decision to volunteer for EngFrosh was definitely the best one I've made since deciding to transfer into the engineering program at Carleton, and a decision that I will certainly be making again!

This year, as I entered my fourth year at Carleton and my third year in the engineering program, I decided that I needed to give EngFrosh a go. This was my second year as a Frosh facilitator, since last year I volunteered for CUSA Frosh (ugh, why? I know). I never had the opportunity to experience Frosh week as a Frosh, so for anyone that didn't get into EngFrosh before they all sold out and had to participate in CUSA Frosh, or maybe you just didn't



## Thoughts of a First Year



Issa Chikh Hassan  
- AERO I -

As a first-year student, I was excited yet nervous to start university. It is a different lifestyle, with a different atmosphere. Like many other first years, I decided to sign up for EngFrosh to try to make new friends.

I arrived at Mackenzie Quad the first day, around 5:00 pm, with butterflies in my stomach. I met up with my team, the Forestry District, and noticed how all us freshmen were just hanging around, not knowing what to do. It is safe to say that we were all amazed to see all these facilitators jumping around and dancing like a bunch of crazy people. They were just there chanting all these different cheers and dancing around like no one was watching.

Still amazed by how all the upper years were acting, it became much clearer that all us freshmen did not know what to do. I decided that I would walk up

to my fellow frosh, introduce myself, and give them a handshake. I started acquainting myself with different people, some of which will be my friends for a lifetime. After a while, I started to loosen up and joined in with the cheers and dancing.

EngFrosh as a whole was a lot of fun. I did many things that I never thought I would do; from white water rafting to pulling an all-nighter trying to design and build the best boat possible. I never went to sleep before midnight yet I was always up and running at 7 am, ready for another exciting day.

Looking back at it, EngFro-

sh will be a week which I cannot forget. Besides all the fun it was, it developed everyone's team skills. Throughout the week, we had to build ourselves as a team and learn to cooperate with others.

I sincerely thank everyone who made this week possible, especially the facilitators and heads for getting everyone out of their bubbles and helping them enjoy the week.

To all you frosh, I expect each and every one of you to be facilitators next year and help all the new freshmen get out of their bubbles and enjoy their time.

Have a great year everyone!

## #winning



# COLUMNS

## Keep it separate, keep it safe



Julia "Teabag" Phishramus  
- ACSE III -



# Keep It Separate

newly single and suddenly everyone thinks it's sad! Who needs the look of pity from their ex when they just want to be lazy or unhealthy from time to time?

Not to mention trying to start new relationships when your ex lives three doors down. They know ex-

School has been going on for about a month now and many of you are probably comfortably in relationships. To all of you I ask, how well did you plan this relationship? Did you consider all possible outcomes? Have you created an intricate plan to avoid this person if you break up? Well you should have! Let me tell you why.

Many of you in res are probably in, or know someone in a "floor-cest" relationship. If you don't, you've probably at least learned about them from your res fellow. For those of you that don't know what they are, "floor-cest" relationships are when two people from the same floor in residence start a relationship and SURPRISE, they never work out! In most cases people start dating out of the convenience of being a few doors away and don't even think about the repercussions.

First of all, there's no priva-

cy. Do you really think people on your floor will not gossip about you? I mean news about floor-cest shenanigans travels faster than mono at an FSK and that's pretty damn fast. You won't have a moment alone without half the people on res knowing about it. That kind of publicity is a no go for me. Even finding a spot to have some one on one time is a challenge. One of your rooms? Hello roommates. TV lounge? Floor gathering place. Oasis, res caff, regular caff and anywhere else on campus? Full of people you probably know. I mean sure, you could go off campus but let's be honest, living in the campus bubble is what being on res is all about.

Even if you can deal with the rumours and general lack of privacy, are you really prepared to see this person every day? Take a minute to really think about that.

Every. Day. All. Year. There's no escape. Sure, at first you'll love it but even people in the clingiest of relationships have a night apart every once in a while. Maybe it's just the hermit in me but I need some space every once in a while and floor-cest is a little too close for comfort.

This is all assuming it works out, of course. If it doesn't, there's a whole new level of awkwardness waiting to unfold.

You thought seeing your significant other every day was a lot? It'll be much worse with your ex. Life turns into an ongoing competition for who won the breakup. Gone are the days when you can refrain from showering and spend the day in the TV lounge in your pyjamas stuffing yourself with overpriced junk food from abstentions. I mean, when you're in a relationship or a full time hermit it's fine but be

exactly what you're doing without even having to go full stalker and those awkward encounters on your floor just got a thousand times worse.

Now those of you out of res might think you're safe but alas, this is far from true. Residence may be the most prominent and extreme example of relationships that are too close for comfort but it is most definitely not the only one.

I am personally a big advocate of avoiding stream-cest. Maybe it's just because my program only has about 40 people in my year but I just think it would be awfully hard to avoid a fellow arch eng. There's nothing more distracting in class than a current or ex significant other and I'm not paying eleven thousand dollars a year for nothing. If you're in a larger steam, this might not be as much of a problem but it's still not



Don Jackson  
- CIVE III -

## Mindful Modifications for the Fashionably Fabulous Flightsuit

**GOT CONSENT?**  
[carleton.ca/consent](http://carleton.ca/consent)

CARLETON SEXUAL ASSAULT SUPPORT SERVICES  
613-520-5622

### MATERIALS:

- Xacto blade
- Steel Ruler
- Compass
- Quarter
- "GOT CONSENT" Bracelet
- THREAD (100% Cotton DMC White Embroidery Thread)
- Needle

Well, if you took part in EngFrosh last month then you may be in possession of the wonderfully purple "Got Consent" bracelet. It would be a shame to throw away something with such a great message and already in the Engineer colour of purple. So instead of stuffing it forgotten in a sock draw somewhere, let us turn it into a patch to be sewn on to your Flightsuit.

First, measure between the G in Got and the S in services, find the centre and cut the bracelet. I also used a quarter placed tangential to the three sides as a template to cut a curve into the ends.

Second, measure in approximately 2 mm from the edges and draw a light line in pencil all around the bracelet.

Third, thread your needle with the thicker embroidery

thread. I chose white to complement the white lettering. When you tie a knot in the thread, leave a tail of 2 – 3 inches, this will give you a place to terminate the stitching in a very strong knot. Starting above the G in Got just where the curve straightens out to form the top edge of the bracelet mark a small dot and continue to mark dots at 5 mm intervals.

Fourth, using the point

# COLUMNS

These floor-cest, and stream-cest, and club-cest, oh my!

ideal. As a general rule, I think if you share classes with less than a hundred people in them, you might find it hard to avoid this person should things turn south.

Now this rule can also apply to groups or clubs that you're in. Sports teams (at least ones that span more than one season), school clubs, societies, etc. all have the same effect as floor-cest. You're stuck spending time with this person and you can't just back out of whatever group you're in to avoid them. For me, my dance group is automatically off limits because you can't hide in a group of 30 and dance is too important for me to give up. This also discounts all my fellow SREE Soc executives and so on.

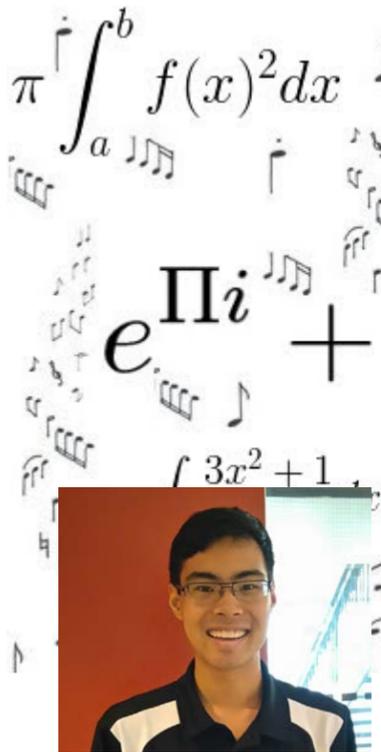
Sure, this theory doesn't leave you with a lot of options but when you consider the outcomes, it's probably the best choice there is. At least, from the point of view of the perpetually single.



on your compass, poke a hole through each of the dots. This will make sewing easier.

Fifth, using the thicker thread on a needle, come up in hole #2, and down in hole #1, Then up through hole #3 and down in hole #2. Continue this pattern until you pass through all the holes.

Finally, tie off a knot in the back and you are done.



Gabriel Wong  
- MECH III -



I need a derivation, something to get off my brain  
My night is getting boring, need something that I can retain  
'Till all my eyes are stained red, from lack of going to bed  
Some chems to make some waste dissolve  
Hard-working honestly I swear  
Thought you saw me blink no  
I've been on caffeine so

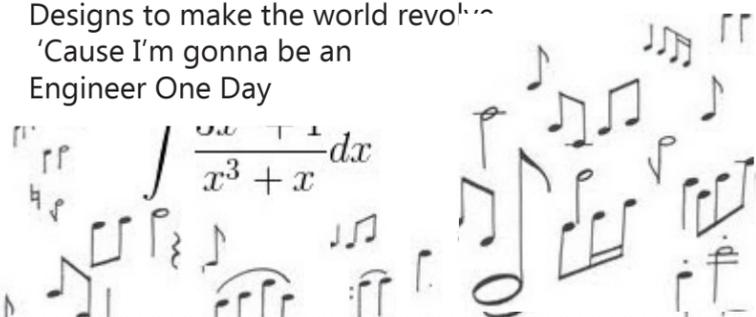
Tell me what you want to solve  
Designs to make the world revolve  
'Cause I'm gonna be an  
Engineer One Day

This time,  
Don't need another datum line  
Give me a placement that I can't decline  
I'm gonna be an  
Engineer One Day

My brain,  
I can't believe I stand this pain  
It's like I'm feeling acid rain  
I think I might have gone insane

But every day I see designs, all the problems that we can solve  
And when a helicopter rises, just think of 'ol Bernoulli  
But that air is cold  
Some chems to make some waste dissolve  
I don't really have heat flow, no so

Tell me what you want to solve  
Designs to make the world revolve  
'Cause I'm gonna be an  
Engineer One Day



This time,  
Don't need another datum line  
Give me a placement that I can't decline  
I'm gonna be an  
Engineer One Day

Got some fluids got some math  
Gotta solve it, front to back  
Just don't let me go insane  
Imma be an engineer so

Tell me what you want to solve  
Designs to make the world revolve  
Some chems to make some waste dissolve  
'Cause I'm gonna be an  
Engineer One Day

This time,  
Don't need another datum line  
Give me a placement that I can't decline  
I'm gonna be an  
Engineer One Day

So tell me what you want to solve  
Designs to make the world revolve  
Some chems to make some waste dissolve  
'Cause I'm gonna be an  
Engineer One Day

This time,  
Don't need another datum line  
Give me a placement that I can't decline  
I'm gonna be an  
Engineer One Day (X3)

# COLUMNS

Because who wouldn't want to live in a house with transparent walls

## MODERNISM ARCHITECT:

### *Ludwig Mies Van Der Rohe*



Holly Parrinello  
- ARCH IV -

Modernism is arguably the most subjective style of architecture. Though the roots of the style are debated, a starting point to look at modernism and many of its architects is Laugier's idea of the primitive hut. In 1753, Laugier published his 'Essai sur l'architecture' to determine the true principles of architecture. To him, the principles of architecture are embodied in what is believed to be man's first house, consisting of four columns, four beams on top forming a square, and a pointed roof made of natural materials. It is, in effect, a stripping down of architecture to its basic forms and building up from there. Laugier is in effect saying that all buildings are descendants of the primitive hut. This is not to say, however, that every modernist building has the same "bare-bones" beginning aesthetic. Each architect who considered themselves to be modern had their own stylistic characteristics that evolved over their careers, and each had their similarities and differences when compared to other architects who considered themselves modern. Therefore, one can better understand the modern movement

through the eyes of the individual architect. Ludwig Mies van der Rohe, designer and educator, is the second architect in this series.

Mies van der Rohe (1886-1969) was born Ludwig Mies in Aachen, Germany. He later took his mother's maiden name and added it to his own, the same year Charles Jeanneret changed his to Le Corbusier. Nothing in Mies' early life prefigured architectural prowess or future success. As a young adult, he apprenticed in Berlin, working in firms specializing in residential construction. He received his first solo commission in 1906 with the Riehl House, which was designed and built in a traditional German style. Mies apprenticed with Peter Behrens, whose best known work was the AEG Turbine factory - a factory built using modern materials that allowed for an open plan, built in a Neo-Classical style. Mies continued to design homes in a traditional style throughout WWI, and his last traditional home, Mosler House, was in 1926. Afterwards, he gained fame as a modern architect, using the modern materials and construction learned from Behrens, and working within what can be categorized as an International Style.

The International Style within modernism is arguably the most recognized, and elements of the sub style are still widely used in contemporary office buildings. The style was named at the Modern Architecture: International

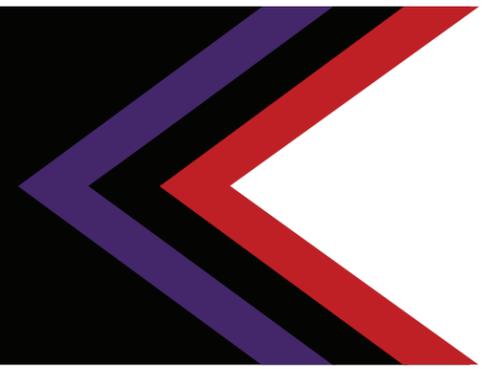
Exhibition in 1932 at the Museum of Modern Art. It categorized the work of mostly international architects as a style of equal importance as the historic styles. The exhibition and the International Style voiced architecture as volume rather than mass, with little applied ornamentation. This was expressed through the selected works of those like Frank Lloyd Wright, Walter Gropius, and Mies, all which used materials such as steel and glass to create new and modern spaces. The exhibition, while it defined a sub-style, was heavily criticized by architects of the modern movement. The exhibition displayed a mainly eurocentric body of work, not displaying modern architecture of America. It also failed to recognize the differences of the architect's featured work, and ignored their similarities in both aesthetic and materials in an effort to categorize their work. Though not all of the aesthetic qualities of the sub style were present in the work of Mies van der Rohe, it was the characteristic style that Mies was best known for.

Not only was Mies an influential and talented architect, he was also a gifted teacher. In 1930, he was named director of the Bauhaus, the school of architecture in Dessau, Germany. It was founded in 1919 by merging the school of Arts and Crafts and the Academy of Art. The school moved to Dessau in 1925, and to Berlin in 1932. The Bauhaus began teaching the

arts and crafts ideals, but focus shifted to a more technological approach; in the modern era, technology provided designers with a range of choice in style. The historical precedents which were used no longer provided models, leading to experimentation. Mies van der Rohe helped usher in this era of experimentation and create the Bauhaus model of teaching, of which many schools adopted and continue to use today. After the Bauhaus closed in 1933, Mies was appointed director of the newly created Chicago School of Architecture at the Illinois Institute of Technology (IIT.) He insisted on a back-to-basics approach where students would learn to draw, then design and experiment with new structures. There, he further developed and taught the 'Miesian' concept of space, which was based on a clear span and bare bones structure that provided maximum flexibility by reducing the number of material walls. This concept can be seen throughout Mies' work, but is most prominent in his Lake Shore Apartments, and in the Farnsworth House.

The Lake Shore Drive apartments, at 860 and 880 Lake Shore Drive in Chicago, were built between 1948 and 1951. The kitchen, bathroom, access, and elevator cores were all placed in the centre of the rectangular concrete slab of each floor, allowing the living space of the apartments to be concentrated around the perimeter. This configuration allowed for

# COLUMNS



Are people still saying Newb? That's so hip and with it!

the subdivision of space based on unit size and type to be much easier, and conformed to the idea of the Miesian concept of space. Behind the international style of the Lake Shore Apartments, there was the idea of transparent volumes for living, shown in the extensive use of glass. There was also the idea of standardization, with the identical exterior treatment and concept of the buildings. Mies van der Rohe's back-to-basics approach can also be seen here, in his minimal use of ornamentation. The only ornamentation that exists on the building are the black I-beams, matching the rest of the black steel. They express the structural I-beams that support the building, and run the height of the building, like window mullions. The Lake Shore Apartments are also inherently modern. The buildings are skyscrapers, built with a steel structure in Chicago, possibly continuing the tradition of the Chicago School, building in a functional way and using modern materials. The Lake Shore Apartments express the Miesian concept of space, while in keeping with the International Style for which Mies' work was famous.

One of Ludwig Mies van der Rohe's most famous works is the Farnsworth House, in Plano, Illinois just outside of Chicago. It was designed in 1946 for Dr. Edith Farnsworth and built four years later. The house takes the concept of Miesian space and Laugier's primitive hut and melts them together, creating an uninterrupted

space sandwiched between floor and roof slabs, and raised five feet above the ground by I-beams. All of the support was painted white and the walls of the house were purely glass, taking the back-to-basics concept to the extreme. The entry platform was also white, rectangular, and flat, reflecting the rest of the house. The home was the epitome of minimalist, and was criticized for trying to sell the idea that less is more. The treatment of living space as a single transparent volume was seen as un-American by some critics, and shows that though modernism was the dominant way of thinking within architecture, it did not go unchallenged. From a practical standpoint, the house was not able to be lived in during most of the year because of the cold Chicago area winters, and became like a greenhouse in the summer, with the glass walls trapping heat. Farnsworth House idealized the concept of the steel and glass pavilion, but the reality of living in a glass box was uncomfortable. The house led to a rupture between Mies van der Rohe and Dr. Farnsworth, who sold the home soon after. The house today remains largely unoccupied but well maintained.

As both a teacher and an architect, Ludwig Mies van der Rohe exhibited his concepts of space using modern building materials, and those works were not always well received by critics. His name has become synonymous with the International Style of modernism, with volumes of space defined by steel and glass. His teaching at the Bauhaus and IIT, and his own work are testaments to the modernist approach to architecture in the way of using technological advances to experiment with new forms of architecture not rooted in historical influences. Ludwig Mies van der Rohe was a key figure in the modernist movement, and will continue to influence architects with his work and concepts.



## How to Successfully be an Eng Newb



Katie Miller  
- BMED I -

So obviously the new batch of engineering candidates have arrived, one of which being me. Now I'm naturally an awkward person (like many of us, I'm told), so starting university has spawned a few cringe-worthy (and awesome) moments that I'm sure a few other of the eng newbies can relate to, and the older eng students can laugh at (I guess?).

Without further ado, here's a few tips on how to master your newbie-ness:

- Stumble your way around Mackenzie when looking for anything to do with engineering, having no idea that the blocks are numbered.
- Studiously avoid eye contact, especially when introducing yourself. Only applicable for anything that has eyes.
- Dance the engineering dance like a pro. On the first try.
- Speaking of dancing, trying out for the C-Eng Musical. We'll only get busier as time goes on, right?
- If near the centre of any circle or crowd during events such as Engfrosh, slowly shimmy your way into the outer edge. Don't worry, no one can see you there.
- Commit to getting your Flight-

suit, even before you know how to get it. #justduneit

- When people ask you what program you're in, forget the short form of it and just say it fast so they don't notice how incompetent you are at remembering simple things.
- Compare being in Engineering at Carleton to a cult when talking to friends and family. Defend and be proud of it. (One of us, one of us...)
- Accidentally reference engineering jokes when talking to non-engineering students. Shun the non believers (but show them your elbows if they ask nicely...)
- Sign up to volunteer at Leo's even though you've never been there before. See first point again for newb bonus points.
- Stay out at strange hours. Parents/roommates question if you've been returning home to shower, nevermind questioning if you are still alive.
- Sing the engineering song whenever you please, and don't forget to randomly chant your team's cheers from Engfrosh. ("Ring of fire, ring of fire..." #volcanicdistrictrepresent)
- Spend a solid portion of your first semester looking for something to reverse engineer for ECOR 1010. Seriously, there is nothing left #sendhelp #and-somethingtoreverseengineer
- Nerd out with your new eng friends about stuff that your other friends would make fun of you for. Get made fun of together.
- Write something for the Iron Times. We're all engineers here, so you don't have to be good anyway, right?

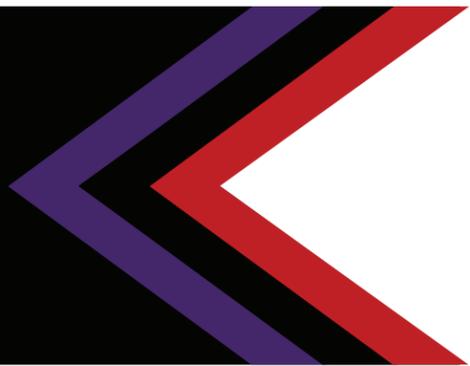


Carleton  
UNIVERSITY

Faculty of  
Engineering  
and Design



# GALLERY



If only we could give this level of attention in our lectures



Gasp, we caught one of the photographers!

# COLUMNS

Because beer pong is too mainstream



Brennan Chiu  
- Industrial Design I -

## Brennan's Freshman Guide to Rez Life

### VOLUME 1

So it's that time of the year again! Lost, homesick and possibly still drunk 1st year students litter the halls and take up all the good seating at Oasis from 12 till 2 am. Hey Frosh! Why not make a great first impression with your new Rez Fellow? Here's a guide to some of the best uncommon drinking games around; I mean, why not spice up your bedroom life? After all, it's the only place you can drink yet (not including seedy dive bars or clubs with vague French names).

#### Game: *Fuck You*

AKA "Revenge for that one time your can-mate ate your ramen noodles."

Players: 3+

Difficulty: Easy enough for even the sheltered "What's a clitoris?" church boy to learn.

Rez Fellow Excuse: Icebreaker name game.

Supplies:

- Each player must have their own drink (Recommend beer, in a non see-through container, gives you the edge over some Sprout brat)
- Deck of cards (Full deck, preferably waterproof. Just. In. Case.)

Set up: None. Well basically none. Just deal the deck out evenly to all the players present. Oh, and learn all their names.

Game play: The person whose deck of cards you are using goes first. It's just etiquette. He/she puts a card from his/her hand down in the middle, face up and says, "Fuck you \_\_\_\_". The person who was chosen (affectionately labeled "fucked") must now chug their drink while the players in the circle go around and count until

the value of the card is met. Starting at one and with the player on the fucked's left. Now the counting players can choose to say their number at any point in time: 2 seconds after the person ahead of them or 10 seconds, it's up to them. The aim for the 'fucked' is to finish your drink before the others finish counting, as the player still counting their number must now start chugging their drink for the full original card's value, at which the counting starts again. If you're on a floor of liberal arts majors and nothing interesting happens, the count finishes before they finish their drink, then the 'fucked' gets to play a card and repeat the round.

Rescuing: If that scrub from the States plays a card that you have the same value as (he plays a 7, you have a 7 in your hand), you can play the card of the same numerical value and redirect the "Fuck you \_\_\_\_" to whomever of your choosing. Watch out: anyone with another card of the same value may be able to redirect the "Fuck you \_\_\_\_" whenever. Keep in mind that revenge is best served cold and that you might not want to rescue anyone too often or too early, because you might need those later. Continue playing until everyone runs out of cards. Keep in mind that even if you use all your cards, you can still get 'fucked' so choose wisely. The winner is the person who can still remember that you have a chemistry lab due early the next day.

#### Game: QUARTERS

AKA "Monedita," apparently the Spanish version.

Players: 4+

Difficulty: If you've had more than a mickey, you might want to sit this one out.

Rez Fellow Excuse: Budget planning.

Supplies:

- 3 large shot glasses/ whiskey tumblers (Short cups, no glass because that idiot two doors down cant hold his booze)
- Any hard alcohol (+40% should be fine, a little less for you architecture types)
- 2 Quarters (25¢, 2 minimum. Bring lots, they go everywhere)
- Table or flat surface

Set up: Have all the players stand around the table. Fill one of the glasses with the alcohol, and place it in the middle of the table (booze cup). Watch that your roommate doesn't roofie the whole floor. Give the other two glasses (empty and face up) to two players opposite each other on the table. Pass a quarter to each of the two with glasses in front of them.

Game play: The aim of the game is to get the two glasses to meet and 'clink'. After facing off, the two starting players will both try and bounce their quarters off the table and into the glass. Single bounce style, unlimited tries. Now, once the player has sunk the quarter, they have a choice to make: if they managed to get it in on their first bounce, they have the choice to pass their empty cup to the player on either side of them; if it took them more than one try, they must pass the cup to the player on their right. Now it's their turn – as soon as the new player receives the glass, they can begin shooting and the process

repeats with passing and shooting.

So at this point the Klutz from floor 3 on your right still hasn't managed to bounce his quarter into his cup and you receive the cup from the player on your left – now it's your turn. If you manage to sink your quarter before Klutz on your right does, you can send your cup his way and 'clink' them together. If he manages to score before you 'clink' them and sends his cup to his right, then just keep playing, but chances are if he's from third he won't make a single shot tonight. Now Klutz must take a 3 point shot. Turn one of the empty glasses over and stack the other empty cup, right side up, on top. Klutz must make this bounce shot with a single attempt. If he misses, he must chug the whole contents of the booze cup on the spot. If the makes the shot, he chooses who must chug it.

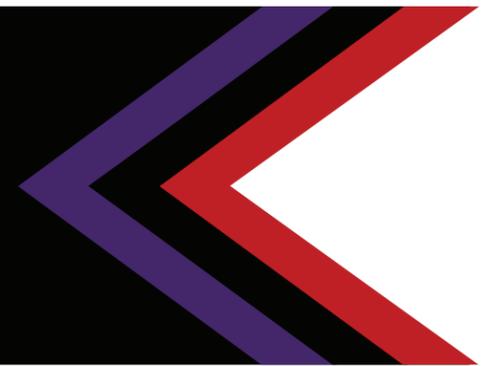
Reset. Refill booze cup; pass one empty cup to the person on Klutz's right and the other to the player opposite the table. Take a personal (brief) moment of silence for what his roommate will have to deal with later and then continue playing the new round.

Modifiers: Replace the booze cup with a larger glass for beer use, size to your discretion and liver regeneration rate.

Good luck, and remember: if your roommate can't stand up, it's a good chance they can't stop you from eating their leftovers. Freshman 15? Make it the Frosh 40!



# COLUMNS



Just got to perfect subconscious learning and you're golden



Kevan McKay  
- Eng Phys II -

## The Off-Campus Student's Guide to *Sleeping On-Campus*



Being tired is an integral part of engineering. Long classes and long nights finishing labs make us all very very sleep deprived. For those of you who live on campus, that's not a super big deal because the only thing between you and your bed is, at most, a long walk through the tunnels. But for someone like me, who lives in the distant mythical land of Farrhaven, my warm cozy bed is 40 minutes away by bus, and that's on a good day. People like me have to make do with whatever they can find, and as someone who has slept in essentially every conceivable spot on this campus, allow me to walk you through the best and the worst sleeping locations at Carleton.

Before we get started let's go over a list of supplies. It's a good idea to have a phone with an alarm on it so you don't miss any classes. Secondly, if you don't have a backpack with you then why are you even reading this? This isn't amateur hour. Your bag is your pillow and your pillow is your life. Always remember that. Stuffed animals are optional but encouraged (like textbooks). It's also a good idea to get rid of any shame you have before sleeping in public. It only gets in the way. Now, onto the first category.

**Sleeping on transit:** Most off-campus students are at least a little familiar with OC Transpo, and almost every Carleton student has been on the Otrain. For those sleepy commutes, you're obviously going to need to have acquired yourself a seat, which are arguably some of the comfier places to take a nap. If you're on your way towards Carleton I rec-

ommend falling asleep on the Otrain as opposed to a regular bus because if you end up missing your stop, at least you'll have been going around in a loop and you won't wake up to find yourself in Orleans. Pro-tip: Never go to Orleans. Ever.

**Sleeping in lectures:** You've fallen asleep in at least one lecture by this point, and chances are it was 1010. Now whether or not your prof will stand for this depends on how good they are at under-handing a piece of chalk at you. But let's assume that they aren't. If you're in a lecture hall like Bell Theater with the fold-out desks, you're out of luck. No comfortable way to nap in those rooms. What about a place like Azrieli Theatre though, with the swivel chairs and the big desks? Well, those are better but they still aren't ideal. The swivel chairs squeak like crazy and you can never quite move the chair into a comfortable position to rest your head on your desk. The best lecture rooms for napping are the smaller ones like in Southam Hall, where you get cushy chairs that aren't attached to the desk. Use your bag as a pillow and you're all set.

**Sleeping at tables:** Carleton has tons of tables all around campus and chances are this is where you'll be sleeping in between classes. For best results, use your backpack to rest your head and also try not to be super tall. The chairs are designed for people sitting at the tables as opposed to sleeping, so anyone over 6' is going to have to deal with some uncomfortable hunched-over sleepy times. I recommend the tunnels under Minto for a less busy and quiet set of tables.

**Sleeping in your locker:** It makes for a good story, just not a good night's sleep.

**Loeb Building:** Loeb has a decent number of comfy armchairs/couches that are pretty decent for sleeping on. The only problem is you have to deal with the high concentration of arts students.

**Paterson Hall:** If you're looking for the comfort of Loeb with the privacy of the Minto tunnels, try Paterson Hall. I don't know who or what goes down in Paterson, and I don't want to know. All you need to worry about is that it's a nice quiet place to nap without being judged.

**University Center:** The sitting area behind the Starbucks is pretty nice, and the variety of benches and tables means you have options for how you want to catch up on your sleep. It's also the busiest part of campus, though, and I prefer to sleep in a place where I don't have to worry about my bag going missing.

**Tory Building:** For an overall superior experience to UC, try the Tory building foyer. Lots of benches, quiet people, and right in the center of campus.

**River Building:** It's hard to beat this one. The River building foyer is nice and open, with a great view of the river. The best part? The cushion seats near the windows that you can move around to make a mini-fort before you go to sleep.

Now there are lots of places to sleep indoors, but there is a practically infinite number of places to sleep outdoors! Here are some of my favourites.

**Mackenzie Quad:** You all know this place. For me it's a toss-up between sleeping under

the shade of the trees with slightly mushy grass (and the occasional cigarette butt), or dealing with the sun on the pristine grass sections. It's your pick.

**Benches:** This one isn't recommended for beginners. For this, you are going to need your backpack pillow, no question. Once you find a comfortable position either on your back or stomach, it'll feel like the hard benches aren't even there anymore! Seriously though, if you can't feel anything you've gone too far and should probably see a doctor. I recommend the park benches between the UC, Canal and Architecture buildings.

**Parking Garage:** If you went to boat building during Engfrosch then you can probably cross this one off your list. The higher the floor you were on, the more impressed your friends will be! Having a car for this makes the experience a whole lot more enjoyable, but there is no shame in sleeping on an oily tarp or mattress with 6 other people. We're all friends here.

The best spot to sleep outside in the winter: Don't.

**Residence Houses:** Last but not least! Now I don't have a lot of first-hand experience with most of the residence houses since the people I asked weren't super keen on helping me with my in-depth research. I have, however, stayed over with my friends once, and yes, these are the best places to sleep on campus. Obviously it sucks that we commuters have to make do with whatever mildly-sticky table we find for ourselves, but then again, at the end of the day we do get to go back to our warm and comfy bed at home. And the people on residence? Well...they get to go home to Glengarry. And I am completely okay with that.



Just be that student who carries around blankets and pillows

# REPORTS

Now if only we were this courteous when waking in the tunnels.

## ELEVATOR *Courtesy*



Aaron Booth  
- AERO I -

Hello one and all! Welcome to our little lesson today concerning courtesy and elevators!

Many of you reading this live in something called "Residence". Not all of you live in residence, but this article may still concern you if you have friends who live in residence, have reason to visit a residential building, or any other building with an elevator for that matter. The elevators in these buildings are very useful, convenient, and can save you lots of time and energy that would have been spent climbing up and down staircases. However, it is important to keep in mind that these elevators are for everyone to use, not just you. There are other people in the building, and they also will need to use the elevator from time to time. These people, like you, do not enjoy elevator rides that make them feel uncomfortable, angry, or late for class. Today, we will be learning about how to make everyone's day a little better. With 3 simple tips, you can impress your friends and everyone else with your good manners and courtesy!



the longest part), walk in, push the 3rd floor button, wait for the doors to close, and for the elevator to get to the 3rd floor, you could have already gone up the stairs and to your friend's room! Now for those who cannot use the stairs because of injury or a physical/mental disability, you are exempt from this because, well, you can't use the stairs or at least not safely. But to everyone else who has perfectly good legs, you can save yourself and other people's time simply by taking the stairs.

**2.** Do not hold the door open for more than 10 seconds. Count 10 seconds in your head. See? That's more than enough time for everyone to get in the elevator. You do not need to hold the elevator on a floor because your friend remembered that they forgot something from their room and went to go get it! You and your friend can wait for the next elevator or you could even wait for them at the floor you need to get to. Holding the door for a long period of time frustrates everyone on board and those who are waiting for the elevator on different floors. Especially those who need to get to class. It's also how you show little-to-no courtesy.

**3.** If you smell unpleasant, do not get into an elevator full of other people. There are few things worse than being stuck inside a small box with little-to-no airflow with a person who smells like a dumpster. If you just got back from jogging, the gym, or even a party where many drinks were involved, you should definitely not try to cram yourself into a box with 5 or 6 other people. It makes the ride into a contest of who can hold their breath the longest. Also, if you find there is "gas" building in your intestines, please release it before you enter, or wait until you are off the elevator. Not only is it an unpleasant surprise, it's fairly rude, and definitely not courteous.

Thank you to everyone who read this article until the end. Remember these tips, and make everyone's lives a little bit more enjoyable. Until next time, peace!



Picture by Donny Jackson

## PRO TIPS FOR GETTING A FLIGHTSUIT



Adrian "G.A.Y.B.E." Soble  
- Arch Eng III -

### ONE: Study Your Passport

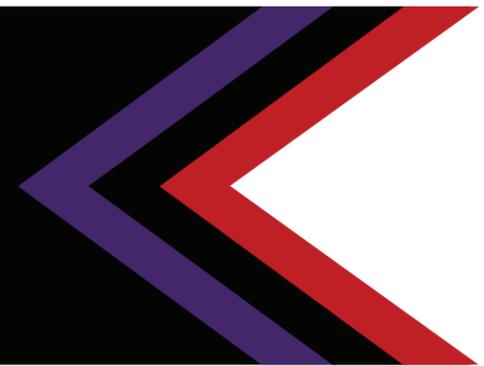
You can get your passport from CSES if you do not already have one. Examine it with great care and keep it in a safe place. The passport is your guide to the social side of the engineering community. Make note of all events that may

interest you, and add them to your calendar. Then actually GO to them!

### TWO: Choose Your Stamps Strategically

Unless you have a time turner (or you're an arts student,) you won't have all the time in the world to waste on events. As a result, you will have to pick and choose what you want to invest your time into. I recommend focusing your efforts on \*volunteer opportunities\* in engineering student societies or competitions. A party stamp is a

# REPORTS



Channel some fantasy and go as a well-rested, socially active, healthy individual

Welcome back C-ENG! Hope you have recovered from froshitis by now! If not, we highly recommend you see a doctor like... yesterday... GO NOWWW-WWWW! Since I was such a big hit from the September issue, I decided to do it all over again for this issues - who know's maybe I'll be back next month too!

The question this month comes from Sally Secondyear who writes:

Well Sally, first of all does he even want to do a shitty couples costume, you arrogant "Dear Bae, my boyfriend and I can't decide on a good matching costume for all those Halloween parties that are going to happen? What should we do?" - Sally

slut? If you want your relationship to last you should just give up on the whole gimmick. You sound pretty whiney, I'll be sur-



fun way to get a stamp, but it is definitely not as heavily weighted as actually doing something to better the community. I highly recommend volunteering at Leo's, joining the musical, or helping with National Engineering Week if you don't know where to start.

### THREE: Be Seen

If you do manage to muster up the energy to go to an event, make sure people notice you're there. Rub a few elbows, make new friends, and "accidentally" bump into someone on Flightsuit com-

mitted if you even get invited to any of these Halloween parties in the first place. I like the optimism but come on, this is university, no one does that shit. Most relationships around here last about as long as a loaf of bread. You can keep it in the fridge to buy yourself a few more weeks but it's not long. But if you wanna be a land trunt and drag your poor boyfriend, who I think should drop you like a fiery skillet, and do a dumbass costume here is what I would suggest.

### Red Solo Cup and Ping Pong Ball

- In this modern classic we recommend you dress up as the ping pong ball while your boyfriend dresses up as the cup. Your boyfriend does not get to be the ball because you clearly have both his balls - and his rights to balls - if you're dragging him to a party that requires a couple's costume.

### FOUR: Don't Get Cocky

Don't think that just because you're "the kid that almost set leo's on fire" that means you're guaranteed to get a flightsuit. You can never have too many stamps and yes, you need to hand in your passport at the end of the year (so don't lose it!) Be humble

## ASKBAE

### Freddy and Jason

- Nothing says love like dressing up as the two messed up killers who were every kid's nightmare while growing up. We all thought we were old enough to watch IT but now the circus just isn't the same. If you're feeling extra whorish this year try changing this costume to Frisky Freddy and Slutty Jason.

### Keg and Pint

- Keeping with the theme of "how to have a great time": why go to the party when you can BE the party. Your lovely girlfriend will be holding that hose all night, pouring out "beer" to hopefully just your pint. (Disclaimer: This may give drunken idiots an idea to mistakenly grab your girlfriend... please use with caution).

### USB and the Port

- Always having trouble putting that stick into that small tight port, well this costume will not only be a great couple's costume but it might also help

your sex life... no judgement on my end. ;)

### Peter Pan and Shadow

- Shot in the dark here, my guess is your boyfriend does not want to go to whatever it is that requires a couple's costume. If you're dragging him along with you, he's just gonna want to stand around and not talk to anyone and that's what makes this costume perfect! Toss a black morph suit on him and whatever you have that's green and revealing on yourself and BAM you're the lovable duo: Sexy Peter Pan and Shadow! Costume Bonus: If you break up before Halloween or he bails on the party last minute, you can quickly change to Risqué Robin Hood or Lusty Link with the addition of a bow or sword.

So there you have it, Sally, five different costumes to choose from. Just pick one, or use all five considering you have SO many different parties to go to; you're such a vagrant I bet you have a guy to do each one with too.

But ultimately, just don't go. Those parties are for the pagans and sinners, you should just repent for your whoreful being. -Bae.

and anxious about handing it in; the sacred Committee owes you nothing.

### FIVE: Put Your Photo in Your Passport

Do it. Committee sees soo many passports at once when they are going through the stacks, you have to make sure yours is unique. Having your photo in it makes them able to look back over the year and remember your face at events.

### SIX: Bribes

How low can you go? The answer is, as low as it

takes. Make them cake, buy them things, do anything that you think would be funny. But don't make them tea if they don't want it.

### SEVEN: Enjoy Your Time in UNIVERSITY

ENJOY YOUR YOUTH! The flightsuit program is about the journey, not the destination. Go forth, have fun, and remember: it's never too early or too late to get involved.



Or you can spend hours on Tinder, much easier to do in lectures at least



Samantha Champagne  
- ACSE IV -

## 5 Tips for ONLINE DATING Success



**Author's Note:** The ideas and tips in this article were inspired by Aziz Ansari's book, "Modern Romance." I would highly recommend this book to anyone who is interested in reading about how relationships and dating have changed in the 21st century with the rise of technology, the internet, and online dating. I am by no means a dating expert; the information in this article was based on extensive research conducted for the aforementioned book by a variety of sociologists.

### 1. A picture is worth 1000 words

Pictures get replies! Some degree of physical attraction is essential in a relationship so, like it or not, people want to know what you look like. Use a picture that accurately shows what you look like, and isn't photo-shopped. Be upfront about your appearance to avoid a disappointing first date. This rule also applies to listing your height and build.

Get someone else to take a couple of pictures of you with good lighting (outdoors is best) with an appropriate background. Try to look your best in the picture (i.e. bathe and wear clothes that you like, but make sure it doesn't look like some weird high school picture day shit). Choose a couple of good pictures, including at least one clear face shot and some pictures of you doing interesting or funny things to prove that you are not a strange hermit that never leaves your home. Research shows that the best picture for guys involves the guy doing something interesting in the picture, and/or with a cute animal, looking away from the camera. The best picture for girls was found to be a head-

shot looking coyly at the camera.

### 2. Don't be generic

Everyone is given the same general questions to fill out, but that does not mean you should give the same general answer! Give a bit of background: don't tell your life story, but give enough information to spark a conversation and to make yourself stand out from the 1000's of other singles in your area. Take the time to fill out your profile, provide some basic information, and talk a bit about what makes you interesting and what you care about.

### "I enjoy music, food, movies, travel, and hanging out with friends" - Every Online Dating Profile Ever

### 3. Send the right message

Did you know? In online dating, heterosexual women get way more messages than heterosexual men do! Studies show that a woman rated "average looking" will get approximately the same number of messages as a man rated "very attractive". Women frequently get 10's of messages each day, which makes responses to messages rare. Contact several people each day in order to increase the likelihood of getting responses.

Because of low message response rates in online dating, many people often opt for extremely generic messages that they copy and paste to 100 people. These are the "Hey, what's up?" or "Hey cutie" type messages. These messages only really work if you are extremely attractive and/or have a particularly interesting life or profile (i. e. climbed Mount Everest, studied cooking under Gordon Ramsey, etc.) For the average Joe these types of messages typically

do not work.

On the other side of the spectrum is the essay-type message that is several paragraphs long and addresses almost every aspect of their profile. Like above, under normal circumstances these messages do not work. Although very thoughtful, essay-type messages are not an appropriate first message. They require too much effort and come off way too strong.

So, what's the right message? Write something short and sweet - a few sentences that express your interest, mentions one of their interests (this shows that you have something in common and that you looked at their profile) and ends with some sort of question or conversation starter to get the exchange going. Don't spend more than a couple of minutes on the message, and check it over to make sure there aren't any ridiculous spelling mistakes.

If you contact someone and they don't respond, don't continually harass them. They probably either have a very full inbox, did not see your message, or are not interested. At most, send one follow-up message after your initial message.

### 4. Set realistic expectations

Be realistic about who you message. Check out your competition, and accept the fact that if you are not the most attractive person on the site, you will probably not end up snagging the sexiest fish in the sea. Keep in mind that your messages won't always get replies, you might get cat fished, and you will probably end up going on a few dates with some duds. This is all part of the process if you want to find someone that you actually do like. Try to have fun with it, and remember that horrible dates make for great stories.

The amount of choices available

can be exciting and a bit overwhelming. Do not spread yourself too thin when you begin talking to people. When you finally do find someone you like, delete your online dating profile and give dating them an honest shot. Remember that these are people you are dealing with, so treat them like human beings. Take some time to get to know them, and consider the fact that some people take a while to warm up to others. Do not compare the people you date to the other people's profiles you saw, and do not linger on the what-ifs. Instead focus on getting to know the person in front of you.

### 5. Get Off-Line

Use online dating for introductions, not the actual dating part. Online dating is a powerful tool that connects you to millions of people locally and around the world that you would otherwise not have the opportunity to meet. Allow this technology to create an initial introduction. Send a few messages back and forth to get a sense of whether the person is a good match (if they are, then ask them out!). Don't let the interest fizzle; try to plan a meet-up within the first couple of weeks after your initial introduction. For your first face-to-face date or introduction, keep it simple - a short date with a possibility of extension (i.e. coffee, or ice cream) - and if you really like them, go grab dinner or try another activity.

As confusing and challenging as online dating sounds, the rewards can be incredible. Odds are that there is someone great out there waiting for you, so take a chance and have fun with it. Good luck!



Silly bricks, always popping up where people are trying to walk

## That Time I Spent My Summer in Africa, Walked Into a Pile of Bricks, and Didn't Save Any Children



Sujin Chang  
- EWB 2015 Junior Fellow -

"The dirt is red," was my first thought as the plane descended and the view of the landmass from the window grew closer and more vivid. "The dirt is red. It's really red." Within a few seconds, we landed and I stepped out onto African soil for the first time. The commemoration was short-lived as we were whisked right away in an airport bus. It was so fast. In fact, it was all too fast.

How did I get here?

Engineers without Borders Canada (EWB) sends Junior Fellows selected from its University chapter network to Africa every summer. The internship, (rather, the fellowship,) is a short three and a half months working for one of EWB's ventures. The ventures range from agricultural social en-

terprises to government thought partnership and everything in between. My fellowship wasn't paid, but it wasn't unpaid either. The reason why it was financially viable for me, as a debt-ridden University student, was because my chapter and the Faculty of Engineering and Design at Carleton University contributed the funds to cover my flights and stipend, as each chapter does for their Junior Fellows. In a world riddled with unpaid internships and pricey voluntourism packages, this was seriously a once in a lifetime opportunity.

With my last-minute application in hand, I endured a flurry of interviews and phases of insecurity and self-doubt - even after being selected. There were so many times I thought of quitting: after getting that life-altering phone call, upon receiving my placement information, while packing for the journey, at the airport, on the plane, the first two weeks in country...

Yet as I am writing this, I have somehow managed to survive a month and a half already. Actually, "survived" isn't the right word. I've thoroughly enjoyed my time here.

A rooster's crow wakes me in the morning just after sunrise. The light streams in through my uncovered window and filters onto my bed through the blue mesh of my mosquito net. I sleepily rise and wrap a chintenge (African cloth) around me like a skirt, tucking the ends tightly so that they won't slip while I sweep the yard outside. So begins my morning at the village where I live in Chikwawa District, Malawi. As per WASH Catalyst tradition, I'm being hosted by a family in my district for the duration of the placement. My host family members are lovely people but speak almost no English. The national indigenous language is Chichewa and I've been picking it



up pang'ono pang'ono ("little by little"), but there's only so much that I can learn in three months (or that's what I tell myself.)

Nevertheless despite the language barrier, I am quite comfortable here. I think it helps that my family never fails to try to understand my curious mzungu (white person) ways. The other day, I tried to wash my woollen blanket and couldn't manage to lift the waterlogged mass to hand wash it. So I washed it with my feet. More precisely, I stepped into the washing basin and kinda sloshed around in it, pounding it with my feet - Korean style. And my host cousin simply transferred me to a bigger basin instead of questioning my unorthodox washing methods. That right there, that's real familial love.

The same level of kindness and friendliness greets me everywhere else I go in this country. Literally greets me everywhere. Malawians are big on saying hello, how are you, good morning, etc. This is the easiest place in the world to make friends since there are almost no social barriers to going up to someone and saying, "Hi. My name is Sujin. What's your name? Let's be friends. Can I have your number?" As a result, I've been blessed with many friends during my time here. And they each enrich my experience and understanding of this place, its people, and its culture.

My biggest and most valuable lesson in Malawi has been

through my interactions with said friends. It has made me realize that people are just people everywhere you go in the world. Every person has a dream, has potential, and has the ability to work hard. The only difference is that depending on where you live in the world, the kind of family you have, and various other external factors, opportunities to realize those dreams - and that potential - are limited.

One of my best friends in the village is really smart and has nearly impeccable English. He wants to go to University but doesn't have the money. This is unsurprising since it costs an upwards of 250,000 MWK (Malawian Kwacha) per term (for perspective, one of our long terms fellows can pay 50 months of rent with that money). His plan is to go back to secondary school to retake his final exams for better marks, increasing his chances of being chosen for one of those coveted government loans. If he lived in Canada, he wouldn't have to compete for a government loan to go to school. Or he could open a student line of credit. Or he could get a job and save up money for school. Or he could do all three. The point is that he would have many viable options.

I've encountered many such stories in the short time I've been living in Malawi. It's been incredibly frustrating. Each of them reaffirms to me the necessity of development work in this coun-



try - even if progress seems to be moving at a snail's pace, even if non-profit organizations seem too power-mad, and even if the government continuously fails to prioritise investing in the future. In the end, what matters are the individual lives that are empowered by the choices development brings - individuals like my friend who wants to get a post-secondary degree.

It took me a while to come to that realization - almost 2 months. I still can't believe I've been here for that long. And despite the time, homesickness is still a common occurrence. Culture shocks are especially a persisting daily challenge.

The biggest obstacle for me has been adjusting to my re-defined role as a woman. Talking with boys is a balancing act between being friendly and being perceived as TOO friendly. I'm expected to help out with the chores while my host brother spends his time goofing off without fear of being chided. Wearing skirts and dresses is preferred. Growing up in a traditional Korean household in Canada, these are all the gender stereotypes I've fought against for my entire childhood. Willingly accepting them in Malawi has been an internal struggle. Yet I know that my status as a mzungu privileges me with greater freedom than a Malawian girl to push against the social boundaries of my role

as a woman. Case in point: I wear pants every day to work. I sometimes even wear pants on the weekends when I don't have work. #privilege

Each week day, my shoes fill with sand as I walk to the Chikwawa District Water Office where I spend my days. It is dwarfed by the surrounding unkempt yard that is partially occupied by rusting play pumps. The building is a sad comparison to its surrounding government counterparts with its cracked walls sorely in need of a new paint job. But once inside, there is a wealth of motorbikes and PVC pipes. Aesthetically, the office doesn't amount to much, but it has proven to be adequately functional. The staff are some of the most hardworking and passionate government employees I've ever met, despite probably being underpaid.

But wait, I'm working for EWB, so why am I based at a district government office?

EWB's international development model is that of an incubator. Ventures are supported and incubated until they reach their end game goals. An 'end game' can look like the adoption of the venture strategy by the local government, the elimination of a sector, the independence of the venture as a sustainable enterprise, etc. The common factor to all of these 'end games' is that EWB will eventually step out of the picture, but the change that was implemented should remain. One way to promote that sustainability is to work through partners. Therefore, the Chikwawa District Water Office is one of those partners through which my venture, WASH Catalyst, aims to achieve our end game of improving WASH (Water and Sanitation and Hygiene) services across the country.

To summarize, I'm being "employed" by WASH Catalyst in Malawi but am based at the Chikwawa District Water Office and EWB pays me my stipend. As I've been learning here in Malawi, the international development field is sometimes quite confusing.

The most baffling of all is the odd landscape of power between Non-Governmental Organizations (NGOs) and the Malawian Government. In our country, our government is constantly defending itself from the barrage of lobbyists from NGOs trying to get their interests heard. In Mala-

wi, the government is constantly trying to adopt their programs and activities based on the interests and priorities of NGOs and Development Partners - their donors. The donors in turn prioritise their activities based on their donors overseas. The situation poses a critical question about accountability. Who exactly is accountable to the Malawian citizens?

EWB does not play the role of the donor in Malawi. WASH Catalyst is mostly funded by EWB, and plays the role of a facilitator in the WASH sector here. It gives us less power to request or move priorities since we cannot offer a monetary incentive. Therefore, we're not part of that uncomfortable dynamic of donor and recipient. I'd like to think the relationship we form with our partners is therefore more genuine and frank.

So what does it mean to be a facilitator? For one thing, it means neither implementer nor donor, which are the two categories that NGOs generally fall under in Malawi.

The VSL (Village Savings and Loans) pilot project that I'm helping to implement was actually an innovation initiated by the Chikwawa District Water Office - not EWB. I'm just assisting the process as a facilitator. The pilot falls within the priorities of Water for People who are currently funding many of the Chikwawa water office's activities. Therefore, the pilot has a reliable source of funding (in addition to the inadequate government funds).

A VSL is a community level bank aiming to economically empower villagers and help keep the water points financially sustainable. Just like a commercial bank, people borrow money from the pool of water point funds, paying back with a fixed interest. So far, the VSL system has been proven to stimulate small business growth in communities, thereby economically empowering individuals. The primary aim, however, is to grow water point funds so that there will always be enough money to fix a water point, ensuring availability of clean water.

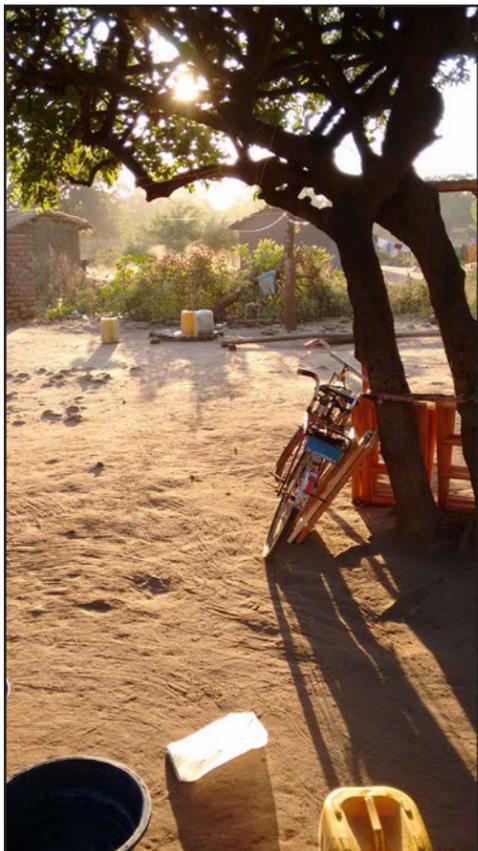
As a facilitator, my role includes the not-so-glamorous tasks of data collection, analysis, providing monitoring and evaluation suggestions, and ensuring the prioritisation and progress of the pilot. At least, that's my self-assigned job description. In

reality, I spend most of my days chatting with the water office staff, building Excel tables, and just waiting for things to happen. The real challenge is that there are not enough hours in a day for the office staff to complete all the planned water activities (including the VSL pilot). Underpaid, understaffed, overworked, and underfunded: welcome to international development.

Progress on the project has been slow as a result, leading me to doubt whether three months will be enough time to complete the pilot. There were times when I felt so discouraged that I questioned the value of my presence at all. The water office wanted to implement this project. They requested on-site support from EWB. They got me. It's an overwhelming responsibility when thought of in that context. I don't even have a degree yet. What are my qualifications? How can I possibly facilitate change? But a water office colleague reassured me that my presence alone has been prioritising and pushing the project towards completion. At the very least, enough progress has been made while I've been here that the pilot will surely be continued to completion after I return to Canada. I've come to be at peace with that. If the necessary meetings and budget approvals for VSL activities happen simply because I'm at the office, I'm okay with that. If the change I wanted to implement happens long after I'm gone, I'm okay with that too.

My short summer in Africa was mostly spent talking to people and walking into brick walls at night because there was no electricity at home. I made too many friends to count - defying social norms, as most of them were boys. I learnt how to wash my clothes by hand, how to carry water on my head, and a sure-fire way to obtain a meeting (staking out in front of someone's office). My work was mostly a waiting game, but I was privileged to be able to share and learn in conversation from the most inspiring people. I'm returning to University in September with my key contribution here being my presence as a motivating factor - as a catalyst, rather than an implementer - of change.

I was not the saving grace of some wide-eyed African child with flies in her eyes. But, I can live with that too.





## CARLETON STUDENT ENGINEERING SOCIETY

## WHAT IS CSES ?

THE CARLETON STUDENT ENGINEERING SOCIETY HAS BEEN SERVING THE STUDENTS OF CARLETON ENGINEERING FOR MORE THAN 35 YEARS.

ITS GOAL IS TO PROVIDE ITS MEMBERS WITH ACADEMIC, PROFESSIONAL, AND SOCIAL RESOURCES TO HELP THEM MAKE THE MOST OF THEIR FOUR (OR MORE) YEARS AT CARLETON. IF YOU'RE AN UNDERGRADUATE STUDENT ENROLLED IN A STREAM OF ENGINEERING, YOU'RE A MEMBER OF CSES.



Alexander's Office  
2090 Minto Case



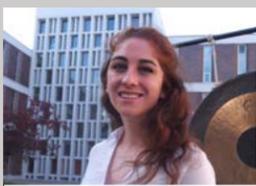
/MyCSES



www.cses.carleton.ca



@MyCSES



**President**  
Jasmine Shaw

"With the semester well underway, I hope that you are all settled in and taking advantage of all the opportunities CSES has to help you get involved! Coming up this month in the Pres Portfolio is JACKETS! If you are looking to purchase a beautiful red leather jacket, stop by the Minto Foyer October 7th or 8th to get sized. FGM will also be held in October, and I would highly encourage you to stop by to see what CSES has been up to for the fall semester! Have a good one, C-Eng!"



**VP Social**  
Erin Hemm

"Hey C-Eng! I hope that you have had a great first month back and managed to avoid froshitis! There are some fun events coming up in October which include: The Panda Game on October 3 against UOttawa, a night at Yuk Yuks Comedy Club on October 7, a trip to the Skreamers haunted farm, on October 16, and a Hackathon in the Discovery Centre on October 17-18. Hope to see you all there!"



**VP Finance**  
Justine Godin

"Little is exciting on the finance front. Applications for Student Group Funding opened on September 8th and closes October 9th. Consult the CSES website for more information on acquiring funding. Be sure to watch out for the opening of Networking event sponsorship which will be opening this month."



**VP Internal**  
Julia Dalphy

"Hello, C-Eng! I hope the first month of school has treated you well! This month, I've been up to a bunch, including running the CSES Pancake Breakfast at EngFrosh and First Year Conference (FYC). Fall Elections will be happening soon, so if you're interested in sitting on Council as VP Academic, Software, SREE B, or First Year Rep, make sure that you collect nominations and run! Lastly, be sure to come to our Fall General Meeting (FGM) to find out more about what CSES does and our new developments! All are welcome!"



**VP Publications**  
Ryan Waddell

"Hey guys! Hope your semesters have started off well! If you're looking to get involved soon with publications you should submit something for the next issue of this paper! You can send your stuff to [irontimes@cses.carleton.ca](mailto:irontimes@cses.carleton.ca). Another way to get involved with publications is to become a Love Spreader! You'll get to help me spread the love by distributing the Iron Times throughout the engineering buildings every month! To apply go to the Directorships page under Get Involved on our website, [cses.carleton.ca](http://cses.carleton.ca)! Hope you have a great October!"



**VP External**  
Sasha Christie

"Hey CSES! Since September I have been busy preparing for and attending conferences with various organisations. So far this year I have attended ESSCO PM (Engineering Students Societies Council of Ontario Presidential Meeting) in Toronto and CFES PM (Canadian Federation of Engineering Students Presidential Meeting) in Vancouver. I have been working hard to represent Carleton at these conferences and make sure that we are a part of every major discussion and decision that is made. In the following months I will be attending the Diversity in Engineering conference in Waterloo where I look forward to expanding my knowledge about this topic and bringing it back to our society. Until next month C-Eng!"



**VP Services**  
Michael Lanning

"During September we had the textbook trade! It was very successful! We also started up all of our services and they are running smoothly. Stay tuned for new EngSwag to be announced in the coming month!"

JUST TALK TO ANYONE INVOLVED IN CSES, OR FIRE OFF A MESSAGE! EVERYTHING FROM DIRECTORSHIPS, TO EVENT PLANNING, VOLUNTEERING AT LEO'S LOUNGE, OR JUST SHOWING UP TO EVENTS. IT ALL PLAYS AN IMPORTANT ROLE IN MAKING ENGINEERING YOUR FAMILY AWAY FROM HOME, AND EVEN MORE IMPORTANT THAN FAMILY: EVERYTHING COUNTS FOR FLIGHTSUIT STAMPS.

# PROCRASTINATION

Because sudoku and word searches are easier than crosswords

Word Search

## BASIC

B S E C A U S E Y O U K N O W  
 I O E A D O S G N I K A B M F  
 A D D C L L A B O U T T H A I  
 I I I T I B A S E T A B N Z L  
 N U A X P P Y J V T U L H W T  
 S M L L N Q S L A X M E M T E  
 T H P H O V E N C L E A N E R  
 A Y L A O P Y P I L Y C H L S  
 G D E M O R A A E K R H Y J C  
 R R N M X O O U B S P E O C B  
 A O N O S F U S T I M M S I C  
 M X A N O T L D C U M H U L K  
 W I L I B A T H B O M B S P M  
 X D F A L A T T E S P N B A X  
 S E L D N A C D E T N E C S H  
 P Y V Q L W Z W U U K Z S N T  
 O Q K S T Y X F U S O Y U M H

AMMONIA  
 AUTUMN  
 BAKINGSODA  
 BATHBOMBS  
 BLEACH  
 FILTERS  
 FLANNELPLAID  
 HOROSCOPES

INSTAGRAM  
 LATTES  
 LYE  
 OVENCLEANER  
 PUMPKINSPICE  
 SCENTEDCANDLES  
 SOAP  
 SODIUMHYDROXIDE

Sudoku

				3	7	6		
			6				9	
		8						4
	9							1
6								9
3							4	
7						8		
	1				9			
		2	5	4				

## Horoscopes



### Aries

YOU HAD A DREAM THAT YOU FINISHED YOUR WORK SMART CAMPUS ALREADY, BETTER WAKE UP BEFORE DECEMBER.



### Taurus

YOU SERIOUSLY CONSIDER DRESSING UP AND TRYING TO GET AWAY WITH TRICK OR TREATING, YOU ARE FAR TOO POOR TO BUY CANDY.



### Gemini

YOU ARE ABDUCTED AND REPLACED WITH A CLONE PROGRAMMED TO DETER STUDENTS FROM VOTING IN THE ELECTION. LUCKILY POLICE FIND YOU BEFORE FINALS.



### Cancer

YOU GET ON THE WRONG GREYHOUND AT READING WEEK, TURNS OUT NUNAVUT ISN'T SUCH A BAD PLACE



### Leo

YOU PLACE A BET WITH YOUR FRIENDS THAT YOU WILL WEAR SHORTS EVERY DAY UNTIL CHRISTMAS, THANK GOD FOR TUNNELS



### Virgo

YOU STILL HAVEN'T RECOVERED FROM THE BOAT RACE



### Libra

YOU REALIZE THE EXTENT OF YOUR MOTHER'S SEPARATION ANXIETY WHEN SHE ATTEMPTS TO PACK HERSELF INTO YOUR SUITCASE



### Scorpio

YOU FINALLY TURN 18 AND CELEBRATE WITH A TRIP TO HULL, THROUGH SOME SORT OF MIRACLE YOU SURVIVE THE EXPERIENCE



### Sagittarius

YOUR THICK RIMMED GLASSES, SCARF, AND UNDERCUT APPARENTLY MAKE YOU A "HIPSTER", YOU BLAME ALL THE PUMPKIN SPICE LATTES



### Capricorn

OCTRANSPO CAN SENSE WHEN YOU HAVE A MIDTERM OR DEADLINE TO MEET, BETTER JUST STAY ON CAMPUS



### Aquarius

YOU REALIZE THE FRESHMAN 15 DOESN'T COME FROM THE CAF FOOD, IT'S THE UNGODLY AMOUNT OF FOOD YOU EAT DURING THE HOLIDAYS.



### Pisces

YOU MAKE FRIENDS WITH SIX DIFFERENT GROUNDHOGS AND TRY TO CONVINCE YOUR ROOMMATE TO LET YOU KEEP THEM TO AVOID MISSING THEM OVER THE WINTER.

# CENTRAL

Recovering from froshitis just in time for hipsteritis



WHAT I DO

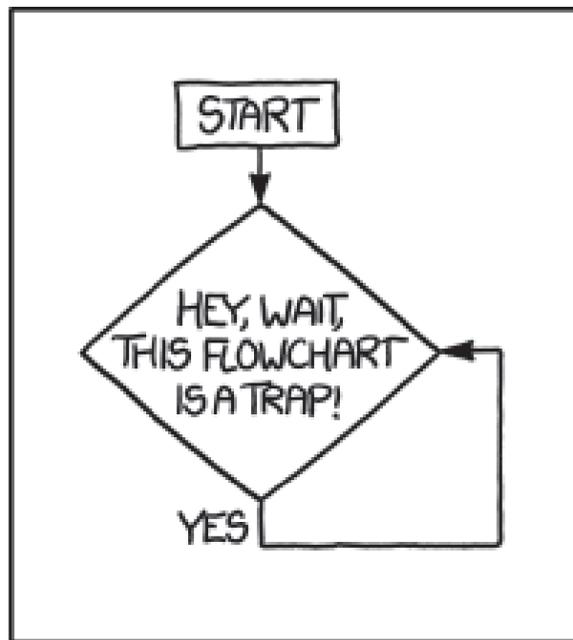


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xkcd



kateordie

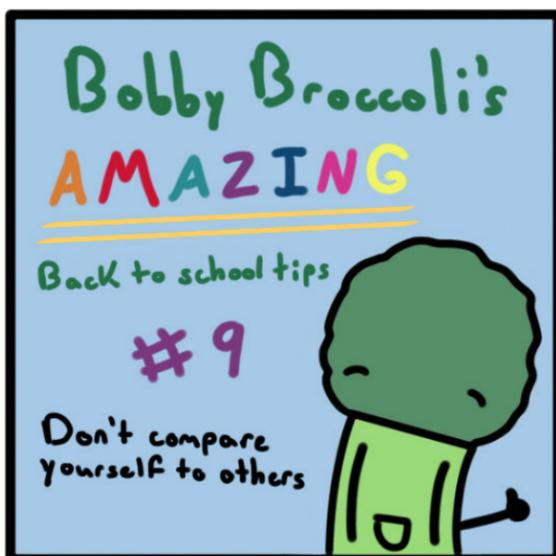
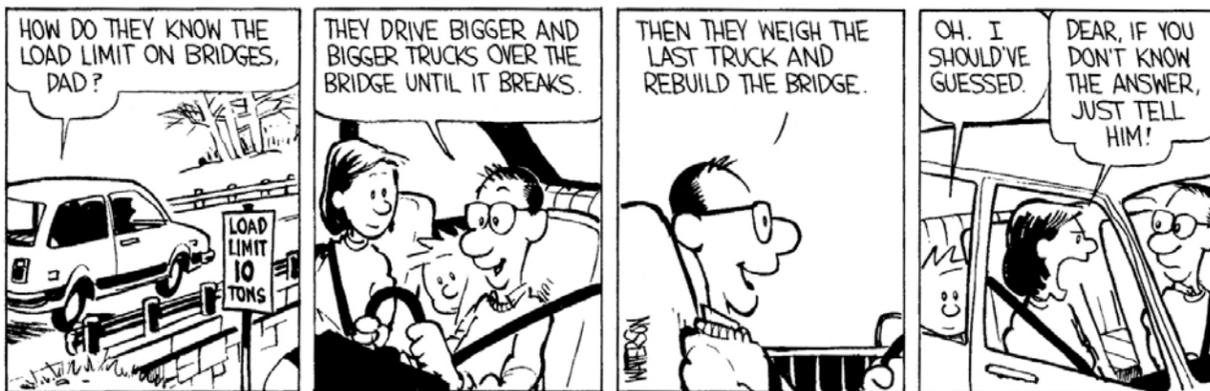
THERE WILL COME A DAY WHEN I TIRE OF PUMPKIN-SCENTED everything,



BUT TODAY is not THAT DAY.



Calvin and Hobbes



# LAST CALL

Yay Frosh champions!

**Hometown:** Langley, British Columbia

**CENG Involvement:** EngFrosh, Desert District, Super-Frosh

**Favourite Supervillain:** Bane

**If you could only eat one food for the rest of your life what would you chose?:** Burritos

**Describe yourself in three words:** Flawless thrill-seeker

**What ice-cream flavour are you?:** Tiger Tail

**Three wishes:**

- Be flawless forever
- Have a pet lion, and
- Go to space

**Would you rather be able to fly or breathe underwater?:** Definitely fly.

**Steel, concrete, or wood?:** Steel

**Favourite thing about CENG?:** Tamimi and Marco #Martimeffrey! and also EngFrosh

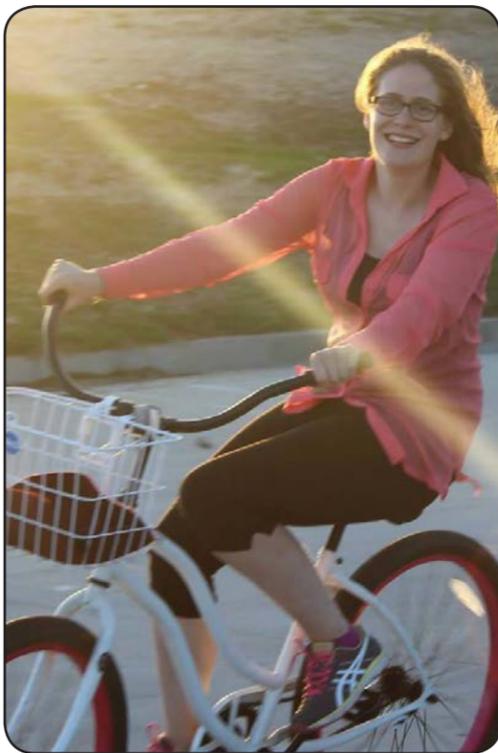
**The Iron Man**  
**Jeff "Callsign" Bailey**  
- COMM I -



## USES for the CHARLATAN

- > Use to dry your laundry to avoid spending an extra \$1.65 on a dry cycle
- > Pretend to read it while on the bus so people won't interact with you
- > Burn to keep warm in res while you wait for them to finally turn on the heating #nottechnicallyacandle
- > Create fans to desperately try to keep cool in res after the heat is inevitably turned on too soon
- > Fashion into a pillow for your 6 hour greyhound ride home for Thanksgiving
- > Use to wrap up all those precious leftovers you tote back from Thanksgiving
- > Mop up the gravy spills in your luggage from the precious leftovers
- > Lay down a bunch of sheets before carving your pumpkins to reduce the mess
- > Use to create elaborate paper mache Halloween costume to impress all the artsies
- > You could read it

**The Iron Lady**  
**Tegan "Teegcity" Scott**  
- IMD V -



**Hometown:** Kanata

**CENG Involvement:** C-Eng Musical (Tech Director), Engfrosh (Head)

**Favourite Supervillain:** Barney

**If you had to eat only one food for the rest of your life what would you chose?** Carrots

**Describe yourself in three words:** Very, very clumsy

**If you were trapped in an elevator who would you choose to be trapped with?** A really sweet grandma whose purse is filled with candies and has a lot of good stories to tell. We could chat and snack for a while, then eventually her and I would both want to take a nap.

**What ice-cream flavour are you?** Beeswax lemon ice cream. It is gross enough I won't eat myself yet would still smell lemon fresh.

**Three wishes:**

- World Peace
- Free tuition, and
- Every home must have a room of wall to wall bouncy castle-ness.

**Would you rather be able to fly or breathe underwater?** Fly! Avoid OC Transpo

**Steel, concrete, or wood?** Wood! Hard wood floors!! #treeLife

**Favourite thing about CENG?** Everyone's drive to make this community as amazing as it is

**Editor -in-Chief**  
Rebecca Feddema

**VP Publications**  
Ryan Waddell

**Thanks To:**

All of the fantastic writers, columnists, photographers, and the like who filled these pages with their wonderful nonsense.

- Footnotes -

**This Issue Brought to you By:**

- 7 bouts of extreme procrastination
- 9 episodes of pseudo productivity
- 12 cups of tea tragically going cold
- 1 marathon of Doctor Who episodes
- AND only 86 google searches, now that's progress

**Apologies:**

That's an November problem, the fact that we were able to produce anything while frosh week was happening is a miracle!



REMEMBER: THE IRON TIMES RETURNS IN NOVEMBER