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the carleton student engineering newspaper

# THE IRON TIMES

Who Loves the World!

[cses.Carleton.Ca/Publications/theirontimes](http://cses.Carleton.Ca/Publications/theirontimes)

February 2016



Katelynn  
"Flying Dutchman"  
Bolster  
- AERO B III -

"Distance makes the heart grow fonder" and "you don't know what you've got til it's gone" are two quotes that could not ring more true – in certain aspects. I know it's Febru-

ary and we've all been back at school for a month, but I wanted to take a moment to reflect on the Christmas holidays. This image is the view from my backyard at home. It could be the picture on a postcard (it literally is, actually, although not this exact view). I always enjoyed the beauty of the mountains in northern British Columbia, but I never truly appreciated them until I moved to Ottawa. Now, I'm not trying to say that Ottawa isn't great, but the point that I want to get

across is that **if you have the opportunity to travel somewhere – be it near or far, this country or another continent – seize that opportunity.** The world is an expansive, wonderful place, and who knows how much longer we will have to enjoy all of its beauty and wonderment, cause global warming is a thing (thanks Obama), so get out there and explore it while you can!

## WITHIN THE FOLDS

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AND MUCH MORE!!!



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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 from the overtired mind of the Editor

## FROM THE DESK OF THE EDITOR



Rebecca "Swallow" Feddema  
- Arch Eng III -

A lot of people celebrate holidays by following a practice of giving and getting. During Christmas people give and receive gifts. On your birthday, you give people cake and receive presents. On Saint Patrick's day, you give each other green coloured drinks and everyone collectively gets a hangover the next morning. These holidays are simple. They have traditions that everyone has grown up with, so the rules are simple and confusion is limited. This is mostly because these holidays can be celebrated in almost exactly the same way by people who are in relationships and people who are single. These are family- and friend-based holidays (well except for birthdays, those are kind of leaning more toward the you-centered spectrum). These are the holidays that you get together with an assortment of people to celebrate with: your siblings, friends, neighbours, and random people you meet at the bar. All of these holidays are predictable and safe.

And then there is Valentine's Day.

Now Valentine's Day can be pretty similar to these other holidays; many people give out cheesy and delightfully pun-filled valentine's cards, or if you are a little more frugal you may just run around with a pad of heart-shaped sticky notes and shower people with paper- and

adhesive-based love. You might give someone a box of chocolates or simply get to spend some time with the people you are partial to. Valentine's Day can even be family and friend focused. My dad always got me, my sister, and my mom roses for Valentine's Day (though my mom's bouquet was always a bit bigger). And of course you can spend Valentine's Day with friends, especially when they are your single friends. But you have to admit that Valentine's Day is a little more ambiguous on the rules thing.

I mean, the way we celebrate Valentine's Day can change drastically from year to year. There is no set pattern that has been engrained in our brains since we first experienced this mystical holiday. At least when you are single you can pretend the day doesn't exist or you can assemble some sort of routine for the duration of your single time, but what do you do if you are seeing someone? Do you get them something? Do you make plans with them? What plans do you make? What if you suggest something and they were thinking of something that was nothing like what you were thinking about?!

Basically what I'm saying is that Valentine's Day is a potential aneurism waiting to happen. So here is what I suggest: I think that the best thing to give



## Just Ask

or get this Valentine's Day is a question. And no I'm not talking about THE question, gahhhhhhhh that would be terrifying. I'm talking about questions that you ask because you want to know what someone's thinking. Questions that get rid of the ambiguity and vagueness of the holiday and clear up the unspoken expectations people can have. I'm talking about simple questions, the kind that can seem awkward or even unnecessary, but are undoubtedly worth it once they are said.

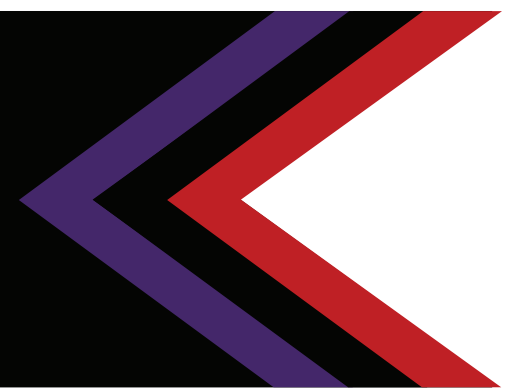
They can be broad like, "do you want to spend Valentine's Day with me?" or "did you have any ideas of what you want to do on Sunday?". They can be specific like, "can we just spend the night in, watching movies together?" or "could we go see

the movie at 8 and grab some Kettleman's beforehand?".

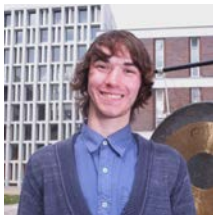
They can even be silly little things like, "can I hold your hand?" or, "do you want to kiss?" [which are super valid and awesome questions, because some of us are not as good at reading body language or having any idea if the other person would be down to make out for a bit unless we explicitly ask] or you can even go into the territory of serious questions like, "what do you think about being in a committed relationship?".

These are the questions that let someone know what you are thinking and can be super useful in avoiding awkward situations where you aren't on the same page. So this Valentine's Day, remember that you don't have to spend a lot, and you shouldn't have to worry. Just start a conversations and make the effort to just ask.





Don't get lost, don't get dead!



Ryan "Hell Boy" Waddell  
- Arch Eng III -

## Survival of the Second Semester Stretch

We all feel it. First semester goes by, followed by a short break, and then right back into the routine. It never feels like you've had enough of a break between the semesters. You go into the new semester thinking you should be feeling relieved, but in reality you haven't destressed nearly as much as you wanted to.

Second semester can be rough; you've got all your course work, AND you need to start figuring out a summer job of some sort. This means making resumes, researching companies, and writing cover letters finely tuned to each position you're applying to. Talk about a lot of work. This is all just added on top of the course work Prof's seem to dump onto us. After applying for these jobs you have to undergo the dreadful wait to hear back from the potential employers. This is a scary time where you may encounter mixed feelings of sheer confidence, or the full-throttle of self-doubt. Then you've got interview phase... I personally love interviews, but most people give me funny looks when I tell them that. For most people interviews are just added stress.

If there wasn't already enough going on this semester, you also have countless ways to get involved too! Whether it be events, competitions, conferences, directorships, elections, or some other thing my mind is missing, you can just about always find a way to distract yourself in second semester.

With the combination of all the course work, stress, and distractions the semester can tend to either drag on by, or just fly by at hyper speed. Neither of these cases are conducive to productivity.

On one hand you can't wait for the semester to be finished, and it can feel like you've been in the same classes for many months already, when in reality it's only February. On the other hand you can feel like the semester just started, and the next thing you know you've got midterms and then it's reading week.

If you're already feeling the second semester stretch here's a few tips to help you out:

-Use an agenda. You know that handbook you got in your Frosh kit, start using it! Writing down all of your assignments and deadlines will help you keep track of when you need to be doing school work. You can write in when you have different social events too! So if you really want to go to a party but see that you have a midterm the next Monday; you might want to just skip that party.

-Put a monthly calendar up on your wall. The best way I've seen to do this is to use one of the white board calendars where you write in the dates. This way you're saving paper, and don't need a new calendar every month. You can also buy two of them, and have the next two months up on your wall! Write in all of your important deadlines and events. This can help you to get a quick look at what's coming

up in the near future without having to pull out your agenda every time!

-Schedule time for all of your activities. Don't just write down your deadlines in that agenda! You should be writing down when you're going to start and continue working on something. This way there's no chance you leave it to the last night! Make sure you also schedule in all of your social events too! Everyone needs a break every once in a while, even if that break is just watching Netflix for a night, or going to the gym. So make sure you find time to relax and destress a bit!

-Study in groups. We are social people who need social interaction. If you can't go out all the time, at least make your studying a little bit more enjoyable. Find yourself some friends who you study well with and start doing study

sessions! You'll start to help each other out, so if one person is really confident with something you're confused about, then ask for some help! Just make sure you're getting to help them too so it's a two way thing!

-Know your limits. Getting involved can be very fun and rewarding, but you need to know how much you can do. If you start volunteering for twenty different activities all at once you're probably going to burn out. This is bad. So when you're deciding what you want to volunteer for this semester just make sure you think about how much work you can handle.

Well C-Eng, that's my spiel on how to get through the second semester! Hopefully this works for you, or you find something else that works! See you out there!

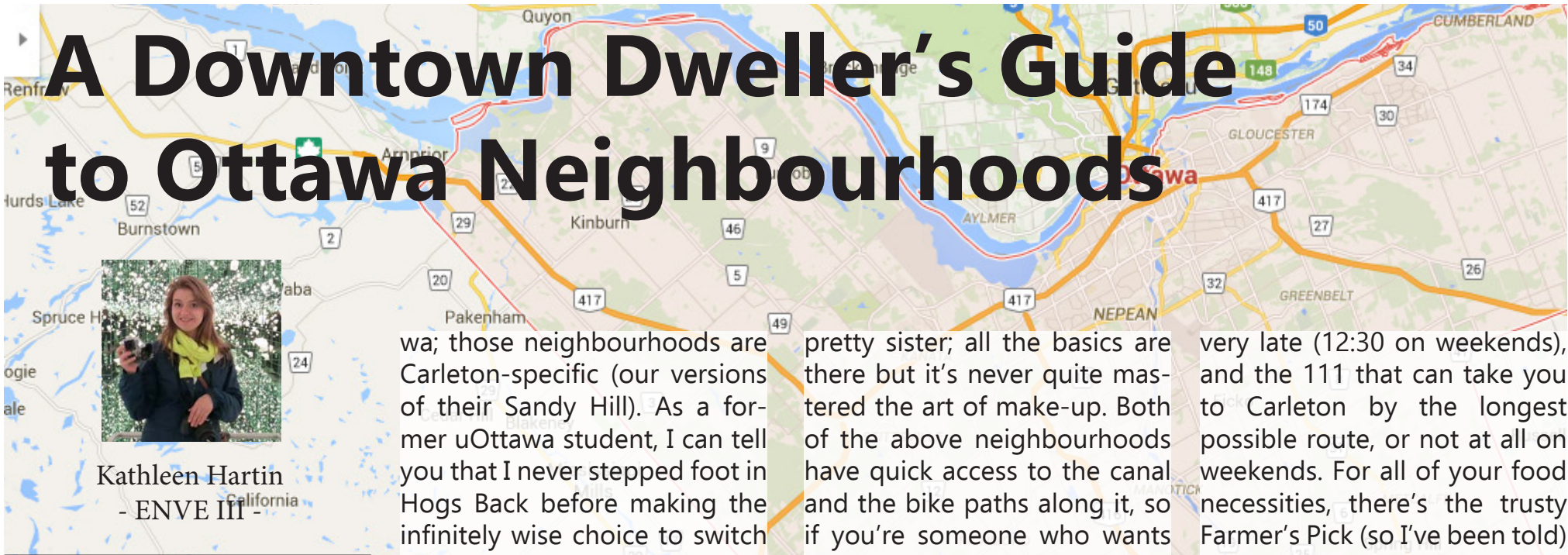







# EDITORIALS

Because not everyone lives on res forever.



## A Downtown Dweller's Guide to Ottawa Neighbourhoods



Kathleen Hartin  
- ENVE III -

Whether you're a first year excited to find your first place for next year, or you just desperately need to escape your roommate Bob, who smells like canned tuna and never washes the dishes, finding a new place to live can be a little stressful. Ottawa is a fantastic city with a lot of great, diverse neighbourhoods that each offer their own charm, and some not-so-great neighbourhoods that you should avoid at all costs (Vanier, I'm talking about you). Luckily for you, OCtranspo – while infinitely unreliable – gives quite a few options for Carleton students to live within an easy trek to campus. To pick are few, there are the Glebe, Old Ottawa South, South Keys, Hogs Back, Centertown, Byward Market, and Little Italy.

The first four are where you should live if you want to avoid students from uOttawa;

those neighbourhoods are Carleton-specific (our versions of their Sandy Hill). As a former uOttawa student, I can tell you that I never stepped foot in Hogs Back before making the infinitely wise choice to switch to Carleton. The Glebe is a great neighbourhood, with big, old houses, trendy restaurants, and most importantly: Marble Slab. In this neighbourhood you can enjoy the convenience of Metro Glebe, along with other smaller markets for all your food needs, and a quick bus ride via the 4 or 7 to Carleton. It is also fairly accessible in terms of visiting other areas of Ottawa, as you can take the 4, 7 or 1 towards the Rideau center. Also, Lansdowne is close, so that's fun. VIP movie anyone? Old Ottawa South is the Glebe's southern neighbour, with many of the same conveniences. The same bus routes will take you to school or deeper into the city, but here you'll have a slightly shorter walk to campus, and the deliciousness of gelato at Stella Luna. House of Targ is also fun, because everyone likes perogies and pinball. Basically it's just the Glebe's less

pretty sister; all the basics are there but it's never quite mastered the art of make-up. Both of the above neighbourhoods have quick access to the canal and the bike paths along it, so if you're someone who wants to bike or skate to campus, these are great options for you. South Keys and Hogs Back are great if you want to live somewhere that feels like you never left your parents house. These neighbourhoods are where you will find full houses to rent for you and 5 of your closest friends. You can enjoy the convenience of dishwashers that no one ever empties and laundry that you don't have to pay for. South Keys, while the sketchier of the two options, has certain conveniences you may prefer. There is the South Keys shopping area, with Walmart, Loblaws, and all those kinds of stores (also a crappy movie theatre, definitely not VIP). South Keys is also located on the transitway, meaning the 97 and 98 can take you directly downtown, and the O-train can take you to school. Hogs Back has the 86, which is surprisingly convenient but doesn't run

very late (12:30 on weekends), and the 111 that can take you to Carleton by the longest possible route, or not at all on weekends. For all of your food necessities, there's the trusty Farmer's Pick (so I've been told) and, more importantly, there's a Baskin Robin's. Like many who've chosen the convenience of downtown, I've only ever ventured into this suburbia for house parties, and have been forced to Uber home due to the lack of late night busses. Centertown is great. Centertown lies between Bronson and Bank, and the 417. It's a really convenient place to live, but it's also a pricey. Everything you need is within walking distance, including bars, grocery stores, restaurants, and board game cafes (well just the one, but it's the only one that matters). Transit-wise, it's a great place to be. Carleton is about 10-15 minutes away on the 4, or double that on the 7 because it does a dumb loop around Old Ottawa South, and Bank Street is just so slow. At most you'll be a 15-minute walk from the transitway, giving you access to every major bus route in the





# EDITORIALS

\*\* Paper roses can also be used as tiny hats in extreme situations

city.

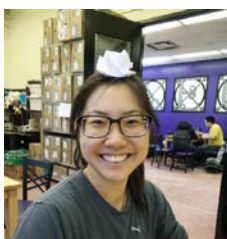
The Market is a good place to live if you want to be drunk, always. Or if you just enjoy the hustle and bustle of the city's core. With Rideau Station, you have access to the 4 and 7, but they'll take longer than if you were anywhere else on their route. One important point is that this area is under major construction, for the Light Rail and the revamping of the Rideau Centre, which makes it a little congested for bus-catching. These construction projects seem to have no foreseen end date. If you're super eager, you can take the canal via skates or bike or whatever up to Carleton. It's about 7.8 km. The Market has Menchies, which is tasty, but let's not kid ourselves: frozen yogurt < ice cream. And of course, there are grocery and booze stores, all within walking distance. The thing about the market is there's always something going on, somewhere to go, something to eat, some drunk girl throwing up in front of your door. Really, the possibilities are endless. Here, along with noisier streets, you'll find higher rent prices. Also note, if you're someone who is easily bothered or frightened by people asking for things on the street, the Market is not the place for you.

Last but not least we have Little Italy. This is quite a fun neighbourhood, with some excellent places to eat and drink (read: Pub Italia). It also has the Carleton benefit of access to an O-train stop, or if you're feeling adventurous in the winter, a quick skate across Dow's Lake. Little Italy and Chinatown (the area between Little Italy and Centertown) are where you're likely to find the cheapest downtown rent, but maybe not for long, considering they're putting up some condos. The 85 is the main bus route and it will bring you up to Lebreton where you can get to basically anywhere else.

There are tons of neighbourhoods in Ottawa that you could pick for your new home, and all of them will have their own benefits. Just remember, if you want to follow the golden rule of Frosh Week – "don't get dead" – avoid Vanier and Lowertown. Lowertown Brewery, however, needs not be avoided; it's a pretty good place.



## Rose Time



Mina Li  
- CIVE III -

HEY C-ENG!!!

It's that time of the year, IT'S THE DAY OF VALENTINESSSSSS!!!!!! The day of the year where you have to act extra nice to your special someone because apparently it's a requirement or something. Whatever you may do (watch DEADPOOL), you do out of affection for your

partner in crime. You may go old-school; Flowers, dinner and movie (DEADPOOL). Or you may go super-duper fancy and have your names spelled out via aircraft during a moonlight dinner catered by highly trained tuxedo wearing penguins. If you don't can go fancy, it's fine... (No it's not) I'm sure your partner will still heart you (maybe less). There are literally thousands of ways to show your affection, like singing them a song, making them a mix tape, going skating on the canal and buying them a beavertail, but the most traditional method is a bouquet of roses. Now considering the fact that we're engineers, WE AIN'T GOT NO MONEY! OH NO! WHAT NOW? Well, let's find a substitute for a rose, like an ORIGAMI ROSE! It's cheap, it shows you put in effort to achieve it, and it's cheap. Make a whole bunch you get a bouquet! BUT WAIT! You don't know how to make one? Never fear, Mina's here! As a service to the engineering community and as a human being with feelings, I will attempt to teach you lovely readers via Iron Times. If you still don't understand, hunt me down and I'll show ya! (No weapons allowed in said hunt). GOOD LUCK!!!

### INSTRUCTIONS TO AN ORIGAMI ROSE:

STEP 1: Start with a square piece of paper, and fold it diagonally and sideways all on one side of the paper like in fig.1;

STEP 2: Fold all four edges to the centre, as shown in fig 2;

STEP 3: Now take an edge and fold it to the third line from your edge, and repeat for all four sides until you get fig.3;

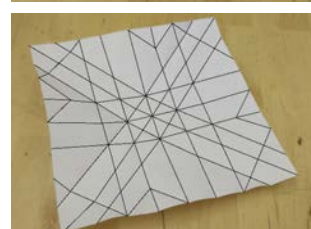
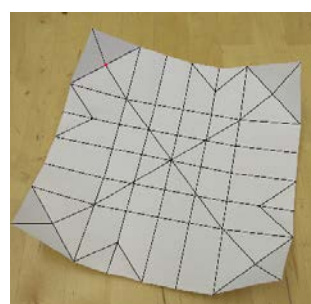
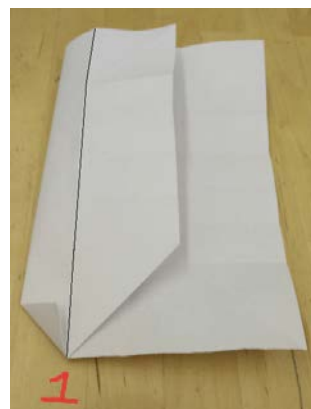
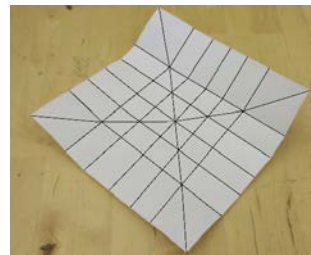
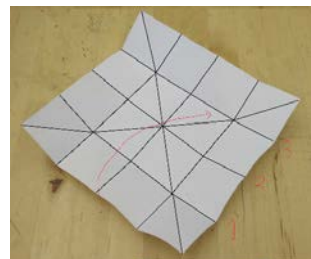
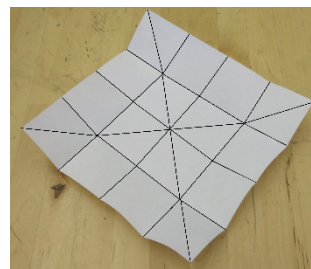
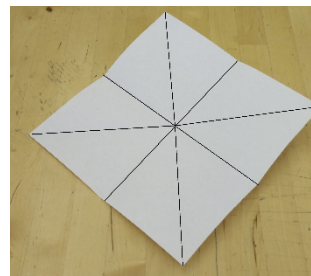
STEP 4: Next, fold back your last fold (the edge to the third line) and fold in the bottom right corner to the first line, and then fold the top right corner of your bottom half to INWARDS to the line (see fig.4). Repeat for all sides.

STEP 5: Now you should have something like fig 5. Next, you're gonna take a corner, and fold it up to the line in the middle of the opposite corner (The red dot on fig. 5), as shown in fig. 6. Repeat for all sides.



STEP 6: once you're done that, you should have something like fig 7.

Step 7: Now you just fold in all the creases you made and TA DA! You got yourself a pretty little rose!



Though you could spruce up your box with paper roses so...





# COLUMNS

You may have to sell your soul and make a blood offering for this to work

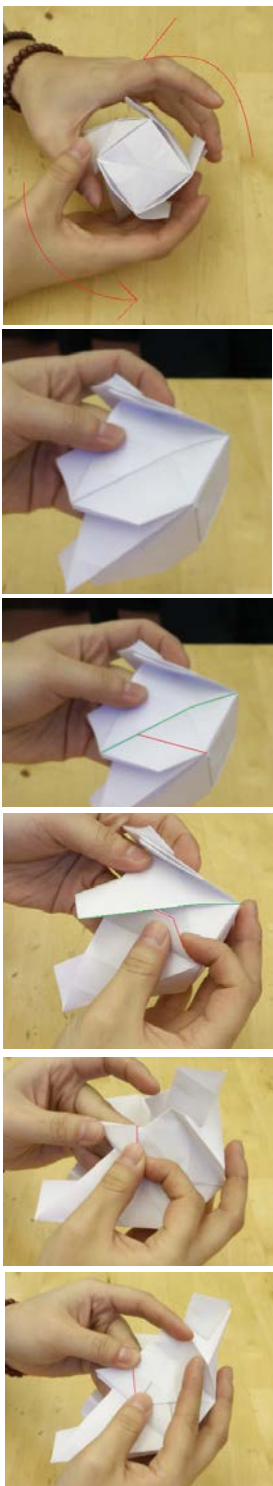


JK, I'm not that mean.

REAL STEP 7: Now it's going to get complicated. Fold in the corners like in fig 8, and then pop in and fold the little triangle on the edge like in fig 9.

STEP 8: now fold that flap you just made on the red line towards the green line (as shown in fig 10-11)

STEP 9: After that, fold the entire green line onto the blue

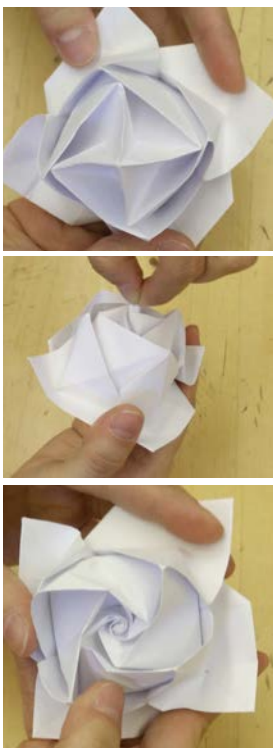
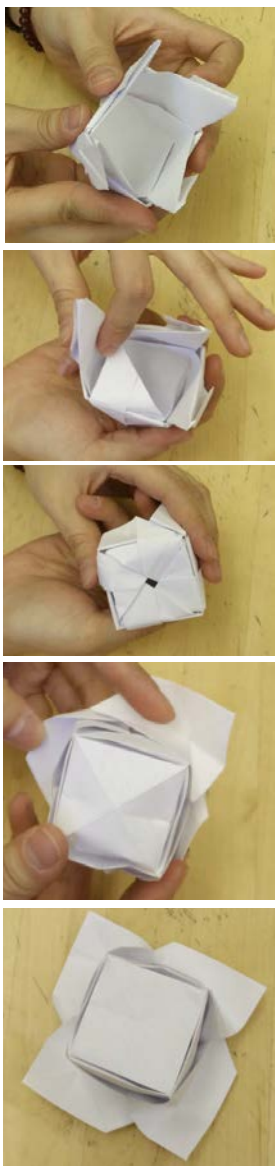
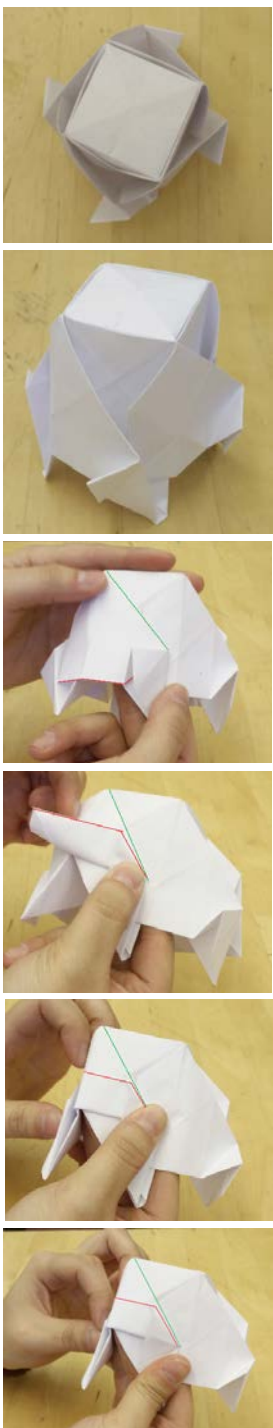


line like in fig 12. You should get something like fig 13. Repeat for all four sides, the center square should pop up like fig 14.

STEP 10: Now carefully wrap up the sides just so the square pops up, making sure the flaps overlap each other in the same direction as shown in fig 15.

STEP 11: Turn the thing on its side and you have fig 16! While still holding its shape, fold in at the red line to inside the green pocket like in figure 17-18.

STEP 12: next, fold in the little triangle at the bottom in half (fig 19), open the triangle and push the corner inside (fig



20) (Red edges are the same edge, before and after shot).

STEP 13: While carefully keeping the square shape, repeat step 12 for all four sides. You should end up with something like fig 21.

STEP 14: Starting from fig 22, you want to pull that bottom edge (Red line) up so that the angled edge lines up with the top edge (Green line) see fig 23-24. (Try to keep it square shaped and overlapped)

STEP 15: You should now have something like fig 25. Repeat for all four sides.

STEP 16: Now you basically have cube with legs (fig 26). We're going to tuck those legs in like in fig 27-28.

STEP 17: KEEP GOING YOU'RE ALMOST THERE! (if you made it this far without crying or tearing up your paper, great job because this shit is hard). What you have now is a cube. Next is pulling out the pedals of your rose. So flip you cube so that the legs are at the bottom, and pull gently on the bottom flaps (if they hadn't fallen out already like in fog 29-30.



STEP 18: Push in on the center of the edges of the square where the perpendicular lines meet, and you'll get fig 31!

STEP 19: Pinch the peak at the center and twist it into the base (fig 32)

STEP 20: AND VOLA! You've got yourself the most frustrating thing to make for the first time origami rose!

Hope you enjoyed yourself and that whoever you're giving it to loves it too. If you experience any distress or anger while making this rose, please don't hurt me. As a method to de-stress, feel free to rip up the paper or proceed to ball it up and throw it at someone (not me).

HAPPY VALENTINES!  
Feeling creative? Try making a bouquet with multiple flowers!  
Pictures by Rebecca Feddema







That, or the world could use more Hippogriffs



Alannah “ ” Taylor  
- ENVE I -

Wouldn't the world be better if everyone were bound by the ancient laws of house elves? Fashion choices would be so much easier-towel loincloth or a strategically placed sock (yes, guy at the last abc party, I mean you). Sweatshops would be



a thing of the past (you're WELCOME world), and the amount of clothing to end up in landfills would decrease significantly, also, no leather products! No fur! #Greenpeace #animalrights #spew #howmanypeoplegotthatreference #longhashtags #whatwasItalkingabout

There wouldn't be any more jails. Any wrongdoing, and a house elf willingly reveals his accomplices, crime, tools, stash, secret plans, and a list of potential punishments that would appropriately suit the severity of the crime. Note: Hitting yourself in the head with a lamp while dancing around the room yelling BAD DOBBY at the top of your lungs also helps when you're cramming for a PHYS1004 test at 2 in the morning and can't get the

## The Benefit of House Elf Culture

darn question right.

Think of all the socks in the world. Those lonely ones left in the dryer, to be thrown out or mixed in with someone else's laundry (it's happened to everyone). No more!!! Globally, socks will be honoured and respected! An added plus: to break up with someone, give them an old, holey pair of mismatched socks and tell them to find a new master now.

And most importantly, when you do pass on – whether after rescuing your squad from Malfoy manor or through the exciting new start-up company Death Plane (seen later in this issue) – rest safe in the knowledge that people EVERYWHERE will sob into their loincloths uncontrollably, causing a small part of their heart to blacken and die. #WHYDOB-



BYWHY #Bellatrixyou\*CENSORED\*. #spoileralert

So, in closing, forget elections. Forget Donald Trump (I wish). Forget your studies, your hobbies, your

worries. Because the world doesn't need any of that. Turns out, what the world needs is a few more house elves.



<input type="radio"/>	<b>Want to write for us?</b>	
	<b>You know you do!</b>	
	The Iron Times is always looking for content from the wealth of talents that is the engineering community! Send us your stories, reports, pictures, or comics by emailing <a href="mailto:irontimes@cses.carleton.ca">irontimes@cses.carleton.ca</a>	
	Did I mention it's a stamp?	





# COLUMNS

Deadpool appreciates things, like chimichangas



## Appreciate What You Have, You Ungrateful Fool!

### The Single and Relationship Side of the Story



Julia “Teabag” P  
- ACSE III -

Ah February, the most controversial month of the year. That’s right, I said controversial, not romantic. Sure, for all you romantics out there, Valentine’s day means chocolates, roses and romantic gestures but then there are those who aren’t romantic. For you, Valentine’s day is either just another expense that student budgets really don’t allow or it’s a day when you wallow in self pity, eat full boxes of overpriced chocolates that you bought for yourself and complain about your relationship status.

Personally, I’m resigned to the fact that Valentine’s day shows just how ungrateful people are with what they have in their lives; but before you get all indignant and try to convince yourself that I couldn’t possibly be talking about you, let me explain where I’m coming from.

Let’s start with the single people out there, I don’t know what it is but most people despise being single. I’m pretty sure that, at one point or another, almost every one of my friends has complained about not being in a relationship. With all the couple stuff associated with Valentine’s day, it’s not that surprising that come February all the singles in your area become exponentially angrier about their relationship status.

This of course leads to angry, depressed, single people trying to poke holes in the “holiday”. We get it, you’re sad that you are alone. Do you know what won’t change that? Angrily complaining about how Valentine’s day is a fake holiday created to make money. Regardless of its origins, Valentine’s day is now a part of

our culture so complaining about it won’t change anything, so you would be better off saving your breath for a worthier argument. Now that you’re resigned to the fact that Valentine’s day will happen whether you’re in a relationship or not, let me tell you it’s not a bad day to be single. I’ve been single for the last 19 Valentine’s days and I have no regrets.

First off, I’d take being single over being in a bad relationship any day. Seriously, think about it, that’s one big thing that people always seem to overlook. Relationships can be great but when they’re bad, you’re definitely better off being alone.

Second, when you’re single on Valentine’s day you can do whatever you want! There’s no pressure to have a perfect, romantic evening. You’re not expected to shell out the cash to go somewhere cool with your significant other or to buy some extravagant gift. You don’t even have to go out and fight the crowds of couples that will inevitably be out. Nobody minds if you play video games in your underwear and order some disgusting take out from your favourite place. If you do want to go out you have options, you can go and have a day for yourself or you can hang with the rest of your single friends. Think of it as a day to cultivate your bromances or whatever the female equivalent is called.

Finally, let’s not forget about the biggest perk of any holiday. The day after, all the holiday themed c h o c o -

late and candy goes on sale for fast liquidation. Sure, you spent a night that’s supposed to be shared alone, but no one can argue with \$3 boxes of chocolates. Now on to the couples, I’ll start off with the so called romantics. I just want to start off by saying, Valentine’s day is not a competition. Oh you know that already? Then why are you telling anyone within earshot that your Valentine’s day was the most romantic because of reasons x, y and z?

You’re taking a day that is supposed to be about celebrating your love for someone and turning it into a competition of whose significant other is the sweetest. Why are you showing me this hand made card that’s full of your inside jokes? I didn’t ask to see it. It’s only relevant for you, and frankly I don’t need to know this much about your relationship. Honestly, you can hardly blame the single people for being bitter when these people are doing their best to prove that they are clearly the happiest person that ever lived.

To all of you I ask: is the fact that you had a lovely day with someone you love not enough for you? Is it only worth it when you can rub it into everyone’s faces afterwards? If so, you might want to rethink your relationship because you’re clearly in it for the wrong

reasons. Just enjoy the time you spent together and don’t add all that pressure to make it the perfect night. Trust me, you’ll enjoy yourself so much more.

Last but certainly not least, I would like to address all those non-romantics who have found themselves in relationships. Stop complaining about the burden of Valentine’s day. Poor you who gets to spend the day with your significant other, a person whose company you claim to enjoy.

Going on a nice date doesn’t have to be hard work, it doesn’t even have to be expensive. Just do something that both of you enjoy and if you care about each other, that should be enough. Skip the fancy restaurant and make something together, and to top it off do something fun like watching a movie or going skating. It doesn’t have to be fancy but it’s a great excuse to take some time off from doing school work (and lord knows we could all use some time off).

No matter what your situation is, I implore you to look for the positives. As a service to all those around you, please keep the complaining and/or bragging to a minimum and let’s just enjoy the day for what it is: An excuse to put off homework.





# COLUMNS

Not that size matters or anything...



Gabriel Wong  
- MECH III -

## Want to Measure

A Parody of "Want to Want Me" by Jason Derulo

It's too hard to think  
I got my lab on the desk  
Nothing in pen  
And I can't take temperature  
It's a hundred degrees  
I got one eye on the gauge  
Where is the valve?  
Cause I got a lab, yeah

In the back of the lab  
I mailed the TA ahead of time  
Give me advice  
I got bluff bodies on my mind  
There's too much drag

Ooh, both the readings on the dials are so high, so high

Drag, you're the one I want to measure  
You got a gauge 'cause I'll find pressure  
Write 'em notes, and use pitot tubes, use pitot tubes  
In the lab for Fluids II

In the lab for Fluids II

You turn on the fan  
Got subsonic pressure flow, all through the pipe  
And I look at streamlined flow, drag is so low  
Ooh, but the readings on the plate is so high, so high

Drag, you're the one I want to measure  
You got a gauge 'cause I'll find pressure  
Write 'em notes, and use pitot tubes, use pitot tubes  
In the lab for Fluids II

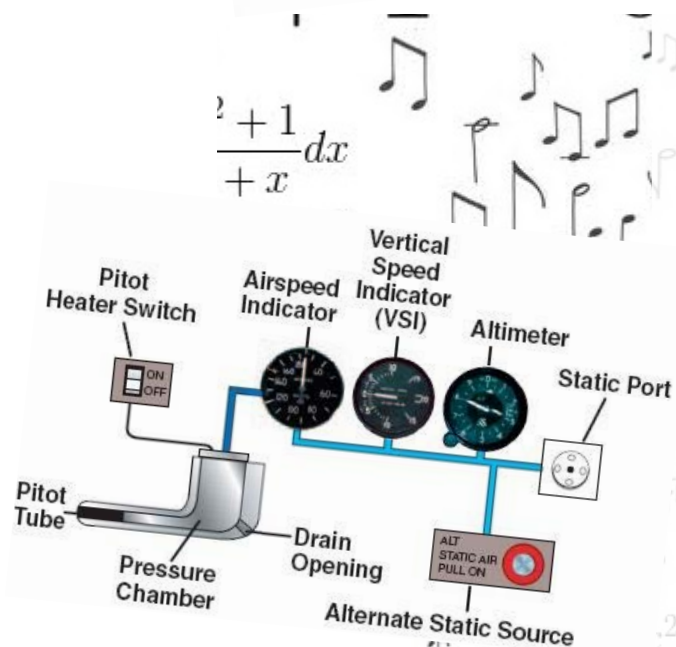
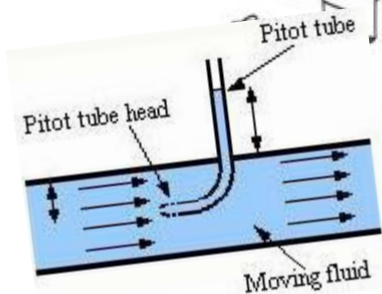
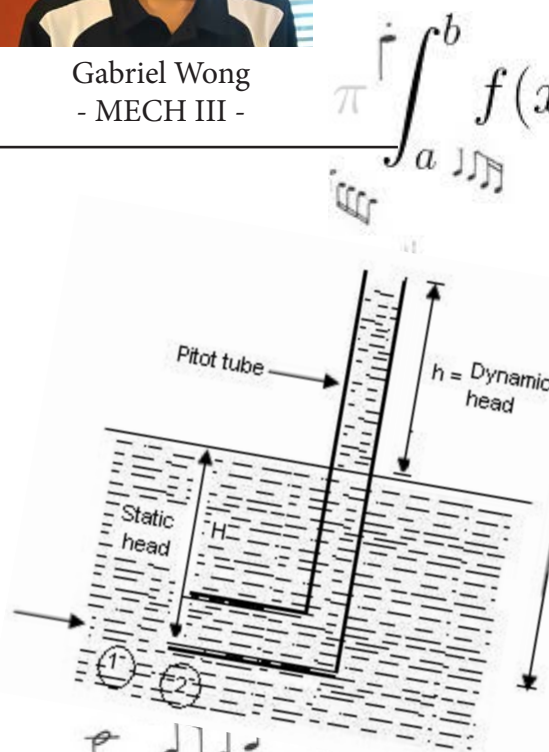
In the lab for Fluids II

But the readings though, just are so high, so high  
Ooh, but the readings though, just are so high, so high

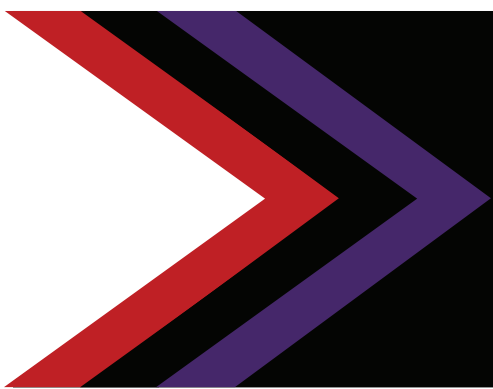
Drag, you're the one I want to measure  
You got a gauge cause I'll find pressure  
Write 'em notes, and use pitot tubes, use pitot tubes

In the lab for Fluids II (X4)

Fluids! Fluids!



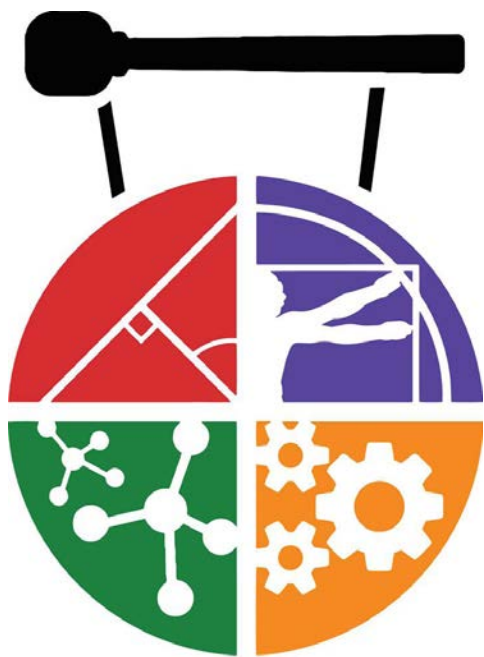




# COLUMNS

Such lovely organizers, can't wait!

## NEW National Engineering Week



N.E.W. is growing and ever evolving and we believe its imagery should reflect this evolution. The NEW N.E.W. logo cuts to the chase, is simple, bright and iconic to the national engineering week branding. This year we have a delicious line of NEW N.E.W. swag coming in that we hope you are exited for. All of this year's swag is based off of this year's sleek logo designed by Cassandra Sims.



Lucas Brewster  
Aero III  
Chair



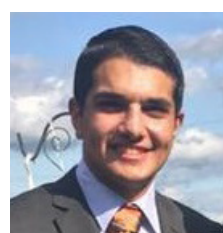
Katelynn Bolster  
Aero III  
Cub-Chair



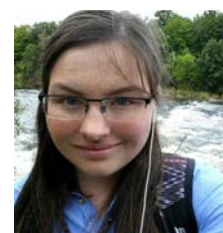
Ben Vine  
Elec II  
VP Academic



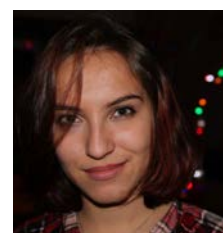
Emma Wang  
Elec II  
Spirit



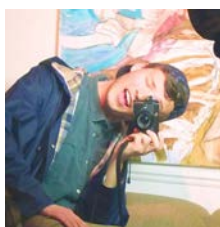
Issa Chikh Hassan  
Aero I  
Spirit



Megan McEwen  
Elec I  
Spirit



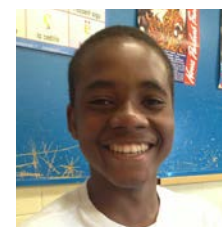
Teo Blidaru  
Biomed Elec I  
Spirit



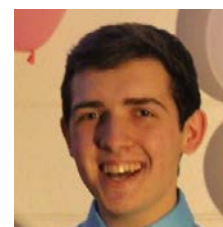
Adrian Soble  
ASCE III  
Promotions –  
Photo & Branding



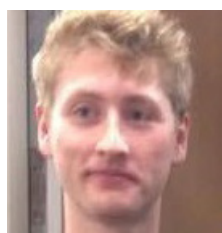
Hailey Todd  
ACSE II  
Showcase/Outreach –  
High School



Andre Lawrence  
Aero I  
Showcase –  
Club & Society



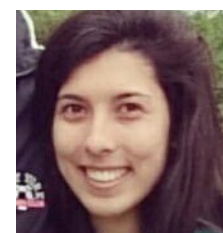
Johan Prent  
Aero I  
Promotions –  
Social Media



Liam Gritters  
Mech II  
K'NEX



Catherine Woguti  
Elec II  
Non-Newtonian



Anne Ortiz-MacLeod  
ASCE II  
Rube Goldberg

### A Word From The Chair

**We're back!** After a highly successful National Engineering Week last March, I am beyond pumped to be returning this year to Chair NEW 2016!

To call NEW last year a simple trial run would be a pretty big understatement. The whole concept of trying to plan an entire week's worth of events that catered to all members of the Engineering Community through both social and academic events, was a new challenge, and a big undertaking. \*Note: the new/NEW puns are always intended\* After putting in a lot of

hard work, sending countless emails, and working with tons of great individuals who I previously hadn't worked with before, combined with seeing how much people enjoyed the events, along with the positive feedback received, it was a no brainer to come back and help organize NEW 2016.

At this point, I'm sure there are a bunch of first years who have no idea what I'm talking about, so let me explain. National Engineering Week, or NEW, is a weeklong event in March filled with a number of social and academic events. We run this event in March as it aligns with National Engineering Month, a period recognized and promoted by many profes-

sional organizations, including, but not limited to: Ontario Society of Professional Engineers (OPSE), Professional Engineers of Ontario (PEO), Engineers Canada, Canadian Federation of Engineering Students (CFES), and Engineering Student Societies' Council of Ontario (ESSCO). Together, in partnership with many of these organizations, Undergraduate Engineering Student Societies, so CSES, host events and activates to help promote Engineering pride, awareness, social contributions, and community. From workshops, to competitions, to swag days, to free food, there is a way for everyone to get involved!

This year, NEW looks to

build off the successful events of last year, make some tweaks to others, and bring in some new events to help keep things fresh. Unfortunately, NEW won't be lining up with Winter Ring Day due to scheduling conflicts out of our control, but we still get to wrap the week up with our annual Engineering formal, Reflections.

I hope you are as excited about NEW as the entire planning team is, and we look forward to seeing every single one of you out at an event!

If you ever have any questions or concerns, please feel to reach out by email at: [newchair@cses.carleton.ca](mailto:newchair@cses.carleton.ca), [newschubair@cses.carleton.ca](mailto:newschubair@cses.carleton.ca), or [academic@cses.carleton.ca](mailto:academic@cses.carleton.ca).



# COLUMNS



A speaker you won't want to miss!

## Key Note Speaker



John Gamble, CET, P.Eng.  
- Civil -

John Gamble currently serves as the President and CEO of the Association of Consulting Engineering Companies (ACEC), where he has gained the reputation of being one of the leading experts on industry issues both across Canada, and internationally as well.

In 1986, John earned a Bachelor of Science in Civil Engineering from Queen's University.

Upon graduation, John went to work for CH2M HILL, where he spent 10 years working as an Environmental Engineer. After moving on from the private industry, John began work in the public sector, spending time with the Ontario Ministry of the Environment, PEO, and most notably, serving as the President of Consulting Engineers of Ontario for 7 years. Since September 2009, John has served as

the President and CEO of ACEC, helping to promote a business environment that recognizes and rewards the expertise and contributions that ACEC members have on our society.

John is a well-known member of the Canadian Engineering Community, and we are honoured to have him as our guest speaker this for National Engineering Week 2016.

## EVENTS

### Week Long Events

**Scavenger Hunt:** Grab a clue list and see if you can find all of the locations or people on campus! Don't forget to tweet your pictures at @CarletonNEW and use #NEWscavengerhunt. There will be prizes for the top individuals/teams!

**Swag Days:** There will be a different 'Swag Day' each day, allowing everyone to easily participate. There will be prizes each day, so get creative!

**Purple Pride:** How much purple clothing do you own? Shirt? Sweater? Pants? Hat? Shoes? Rock it all! Wear your purple clothing to help spread some Engineering Pride around campus.

**Bandanas:** Still have your EngFrosh bandana(s)? Maybe one from a conference or competition? Wear your favourite...or maybe just wear them all!

**Hamp Day:** It may not be the last Wednesday of the month, but that's no reason not to Flightsuit or FIT Shirt up a few weeks early!

**Eng. Swag:** This one is easy. Wear something that represent Engineering! Prizes for: the oldest piece of EngFrosh swag, the oldest piece of CSES/C-Eng swag, and the coolest piece of swag from another Engineering School!

**Pinky Re-Promise:** Remember when you made the pinky promise at the end of EngFrosh? Well, you may not be getting your Iron Ring this year, but that doesn't mean you can't make the promise again. Purple that pinky and remember why you're here at Carleton!

### Monday

**Eng Spirit March:** Join your peers and march around campus, promoting Engineering spirit and pride. (confirmation pending)

**Virtual Ventures Elementary School Visit:** A Carleton run organization, Virtual Ventures hosts camps and workshops for Elementary School aged kids. The activities are all STEM based, helping to grow and get the next generation of Engineering Students excited for the future. We will be providing volunteers to help with running all the different activities.

**K'NEX Competition:** Details are still in the works, but come out and play with some K'NEX! Participate in the competition, or just enjoy a nice de-stressing activity.

**PD Workshop(s):** Come out and learn about something new while getting some food at the same time! Topics to be released closer to the week.

**CMAS CO2 Car Competition:** A new event! Join CMAS in seeing who can design and build the best CO2 powered car. The design portion is likely to be the week before, with the competition happening during NEW. Stay tuned for more details.

**CSCE Stuart Little Competition:** After a huge turnout last year, see if your team can build the best Stuart Little inspired car!

### Tuesday

**Engineering Club & Society Showcase:** Visit all the booths in Minto Foyer to learn about all of the different Engineering Clubs and Societies that we have here at

Carleton! Some 4th year projects may also attend, so be sure to ask lots of questions since you'll be doing it shortly!

**PEO Lunch & Learn:** After a HUGE turnout last year, PEO is coming back for another information session. The topic has yet to be decided, but food will be provided!

**Community Outreach Event:** A new event this year. As winter (hopefully) begins to wind down, bring in your old, but still usable, hats and gloves that you didn't end up wearing this winter. They will all be donated to charity at the end of the week.

**Trivia:** Get your team together and join us for another exciting round of trivia in Ollies! More details to follow as your CSES VP Social continues to work her magic.

### Wednesday

**Non-Newtonian Fluid Display:** It's a liquid! No it's a solid! Looks like you'll just have to step into the pool and find out for yourself!

**Lunch with Dean & Profs:** Swing by Leo's and see if there is a Professor of yours hanging out and having lunch. Strike up a conversation. Hint: Professors love being asked about their research! (free food not provided for students)

**Give Back to Profs Event:** Have a favourite Professor? Has a staff member ever gone out of their way to help you? Well then fill out one of our thank you cards and we'll make sure it get delivered to them, along with a small appreciation gift. (one card per Prof)

**Keynote Presentation:** Come out to Fenn Lounge, enjoy some food,

and listen to our awesome Key-note Speaker, John Gamble!

### Thursday

**Interactive Program Showcase & High School:** You can volunteer to be a group or station leader and lead a group of high school students around campus. Show off some cool labs, Leo's lounge, CSES, and then hopefully swing by the Caf for lunch!

**Movie Night:** It will be a late night, but get comfy in River 2200 and enjoy an Engineering inspired movie, selected by you, while munching on some candy and sipping some Red Bull (to be confirmed still).

### Friday

**Rube Goldberg Machine:** Come by Canal Foyer and watch us set off our Rube Goldberg Machine as part of the ESSCO lighting of the CN Tower! (to be confirmed still based on OPSE things)

**SREE-Soc Design Competition:** Wrap up the week by joining the SREE Society for their annual Design Competition. More details to follow.

### Saturday

**Reflections:** Get dressed up and join us at CSES' annual formal, Reflections! As always, it promises to be a night full of great food, laughs, friends, and unforgettable memories! Keep your eyes open for tickets sales in CSES (ME 3350).

\*\* Schedule Picture found on page 20.





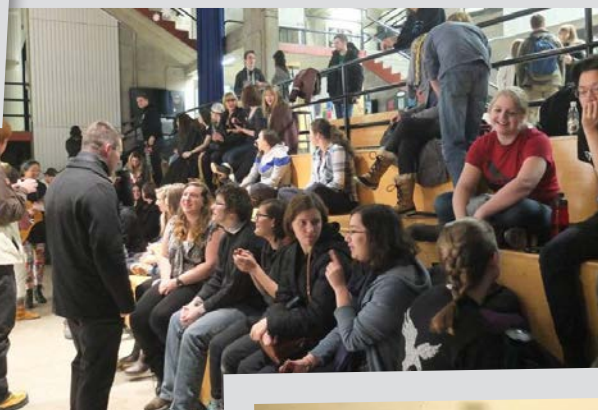
# GALLERY

Got to get in your fun in the snow before it all melts away





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# REPORTS

Because the pitch for doing Mulan fell through



## TICKETS:

**Performances: MARCH 4TH AND 5TH.**

Tickets on sale in CSES starting February 1st.

Tickets also available in:

UC third floor landing Feb 8 - Feb 12, Feb 22 - Feb 26.

Minto lobby Feb 29 - Mar 4th

- \$12 Normal / \$17 VIP -

All Proceeds from the musical go to the Ottawa Food Bank



Because who wouldn't want to see this horde of gorgeous people perform. Really C-Eng, you're looking at some of this years most artistically gifted students (or at least the ones who had the guts to go for an audition and miraculously got the role). These people have put in hours of creative brainstorming together to write a musical worth watching. Including an obnoxious amount of blood, sweat, and tears into (as is customary for anything that is made with even the slightest amount of care or creativity). The Carleton Engineering Musical

may have only a few years under it's belt but it is always a spectacle not to be missed.

This musical has been running since 2011 and has seen three wildly successful productions. And now with the efforts of these beautiful people, and your help as an audience the fourth production is set to hit the stage.

But why should you come and see Mackenzie the musical? Well because you are a member of the Carleton engineering students. Really we are a collective. You might not have noticed it, but when you accepted your

offer to Carleton engineering you joined a cult (don't worry we did the blood letting and sacrifices while you were unconscious). You joined a collective of students that is more connected and supportive that anything you will find in the universe. But that collective only works if you participate and put in some effort

What we all must come to realize is that when a group of engineering students get together pretty awesome things result. We can build bridges, piolet sleds, kick ass at competitions, and even make musicals! (At this rate

we might be able to create time travel or find the meaning of life and the universe if we just put in a few more all nighters than usual) And we do all of these awesome things with the support we get from each other.

So come on C-Eng, set aside a night to take in the arts and support your friends.

Who knows, maybe next your it will be you up on stage (an not just because you got lost on your way to the bathroom at the intermission)



# REPORTS



They all look so excited!



## Get Ready!

The Carleton Engineering Musical is coming! Be ready to have your pants, socks, underwear and anything else you have on, violently knocked off of your body. Under the guidance of supreme leader Saskia Mattern the show has been worked on every Sunday since October. There are a TON of really awesome-sauce people working on the show and lots of talent brimming at the seams of the production. Here are a few tips on how to get the MOST out of your musical experience.

**1.** Buy tickets early! SERIOUSLY. Saturday is known to sell out faster than banana-chocolate chip muffins on sale at Leo's. GET THEM AS SOON AS THEY ARE AVAILABLE.

**2.** Know the vibe you want: Friday is the less rambunctious night and is the better night for family, profs and other cognitively fragile beings. Saturday is when the rum-pus comes out and shit goes down. Know what kind of experience you want to have.

**3.** VIP vs REGULAR: VIP are \$17 and regular are \$12. VIP gets you a front seat and a little baggy of random crap to throw at the performers (Ten Points if you hit a first year).

**4.** BE SPIRITUALLY, EMOTIONALLY AND PHYSICALLY READY: This play has been written by engineers, for engineers. The humor, vibe, and characters have been specially designed to make you feel the feels and peel the peels. (DON'T BRING YOUR GRANDMA FOR THE LOVE OF GOD)

**5.** MARK IT IN YOUR CALENDAR: "MACKENZIE" The Musical, based off of Chicago will in Kailash Mital Theatre March 4th and 5th. Tickets are on sale in CSES and in various locations around campus until the show. VIP is only available through CSES.

Or if you are going to bring your Grandma take her hearing aid away





# REPORTS

Another song to get stuck in your head for the month!

Make Way! [hold 3 seconds]  
For place Ollies! [hold 3 seconds]  
say Hey  
It's place Ollies! [hold 3 seconds]

Hey clear the way in the ol'books  
Hey you, give us that booth-  
It's a bright new start  
Come to where all the engineers meet  
it's eye !  
Make Way!  
Here it comes  
Ring the bells  
Bang the drums  
Ah! you're goona love this guy! [hold 2 secons]

Place Ollies – Fabulous we- All the alcohol [hold 3 seconds]

## Place Ollies



Genuflect, show some respect;  
Down on one knee.[hold 3 seconds]  
Now try your best to stay calm,

definitely [hold 3seconds]  
We face the galloping frosh  
We make them all get sloshed!  
Who said we were posh?[hold 3 seconds]

Why –  
Place Ollies! [hold 3 seconds]

It's got seventy five golden pitchers [hold 3 seconds]  
'Don't they look lovely, Herbs?'  
Purple people we need fif-

ty-three !  
'Fabulous Charlie, I love the hops.'

Place ollies – come follow me – aha lolol [hold 3 seconds]  
With sixty elements  
Brewskies galore  
With it's bar and tables  
Brass taps and more!  
With over forty years, it's cooks and beers

And people that smile, despite the fees! [hold 2 seconds]  
Make Way! [hold 2 seconds]

FOR PLACE OLLIES! [hold for 5 seconds]

Written by: Veenendaal-Mallalieu  
Edited by: Nick Hakala



Has the crushingly sad possibility of death ever overwhelmed you? Do you feel guilty thinking about passing away before your partner/parents/friends? Does the contemplation of losing your loved-ones tear an abyss deep within your already blackened heart? If so, we have the PERFECT solution for you!

Deathplane™ is the fool-proof, fail-safe, easy-to-use comprehensive product that allows you AND your loved-ones to pass into the void in a relatively painless and fairly instantaneous way, all while enjoying quality time together in your last moments. Deathplane™ eliminates the need for costly funerals, though we do have a memorial package service for those few family/friends who did not qualify for Deathplane™ (let's face it; there won't be enough of them left to warrant a real funeral! A tasteful placard accompanied by complimentary drinks and pretzels will be more than sufficient. For more details, visit [www.killyourfamilyandfriends.com](http://www.killyourfamilyandfriends.com)).

filled with biodegradable explosives.

Order your Deathplane™ information packet and start-up kit now and receive a free bottle of chloroform to use on resistant relatives/acquaintances! Just pay separate shipping and handling.

But wait! There's more!!! If you purchase your first Deathplane™ program within the next 24 hours, you'll get a second Deathplane™ FREE!! That's right, a second aircraft and pilot's training FREE! Just think of the possibilities! Now you and your ENTIRE family and group of friends can end your lives together in guiltless comfort!

With Deathplane™, you'll be able to sleep at night knowing that your future plans have been made. Rest in peace knowing that you'll be resting in pieces with Deathplane™!



# COLUMNS



Aw, looks like the ink smudged... in very precise places... yeah...

## AskBae

Dear sir, (becasue we are sexist)

This week we want to talk about censorship (again). Issue after issue we've been published with no problems until January when the head of the Iron Times and his team of godd■mn bureaucrats decided to pull our column. We have fun writing it, and you have fun reading it! So why the f■ck was the article omitted from the last issue?

This university is an institution for learned "adults" and creative minds whose sensitivities are not so fragile. People need to grow the f■ck up and not be so butthurt! Where

have we as people gone so wrong that freedom of speech has been lost completely? We would expect this sort of bullsh■t from the Charlatan (<http://www.charlatan.ca/2010/09/ottawa-usong-funny-not-vulgar/>), but we had hoped that the Iron Times would be above that childish behavior. You can take this article as our resignation from The Iron Times.

We don't write for the f■ckin sensitivities of society. We don't write for the godd■mn Iron Times. We write for you! We write what we write because you want to read it; and we will keep on writing as long as people keep on reading.

From here on, anyone who doesn't need to live under the blanket of censorship, and

wishes to keep on reading real publication, can find us starting next month in the Gazette (<https://www.uottawa.ca/gazette/en/news/askbae>). At least the GeeGees know the difference between a joke and a dick, and don't take it so hard.

I'm an ■sshole, I'm an ■sshole, I'm an ■sshole through and through, but I'd rather be an ■sshole than to goooooooooo to CarletonU.

If I had the wings of a sparrow, if I had the wings if a crow, I'd fly over Carleton tomorrow

and shit on those b■stards below below. Shit on, shit on, shit on those b■stards below below.

P.S. What the f■ck, Bill Cosby! Not cool, dude.

LOL JK FUCK GEEGEEES



## The Editor in Chiefs Response to the Crazy Sh■t you Just Read

Ahh, AskBae. That one columnist that never fails to liven up an issue of the Iron Times. Also apparently a bit of a tantrum thrower if you cross them though, so watch out.

So there's this thing where if I get a document that doesn't have English in it I kind of question whether or not the author actually typed anything or just used the "fill with placeholder text" option on their file. So understandably I send it over to my team of "godd■mn bureaucrats" and ask them what they think. And the thing is, if those bureaucrats don't answer I kind of forget about the topic and move on with my life. So yeah, sometime things can get forgotten. Just saying.

You want to know what you missed in the January issue? Here you go, so sorry I forgot to put this glorious cluster of fill in the blanks and foreign words in last months' issue. You know the issue that was created and sent

to the printers during f■cking exams.

Meh, AskBae you're still cool cats in my books. You make me shudder with your colourful use of the English language, and I'm pretty sure you use your column as a test to see what you can get away with, but you give me "content" consistently and on time (I guess we could call it content, cutting it kind of close though) which is more than I can say for other members of the engineering community (cough cough, exec, cough, always late with their updates and other sh■t, cough).

You could get my gender right though; I may have short hair but I'm still a chick (got it right with my team of godd■mn bureaucrats though). But other than that I think we're good. Here's you blessed "article" from last month that I legitimately forgot.

Keep it up, I guess.

## The Long Lost January Article

Casey's Band  
NEWSLETTER  
September 4, 20XX  
We are nominated for the best new artist by Band Website

A big big thank you!  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.  
Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan.

Frankie Fourth Year asks why our articles aren't as great as previous months.

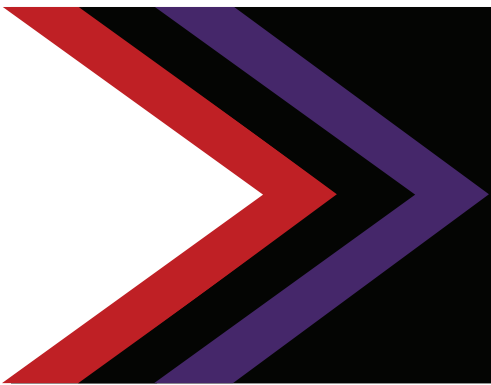
CENSORSHIP  
Sh■tP■ssFckC■ntC■ckS■ckM■th■r-F■ck■rT■ts.

FILL IN THE BLANKS, we've given you a few letters to start.

A \_ s \_ \_ \_ \_ \_ s  
B \_ \_itch \_ \_  
C \_unt \_ \_  
D \_ i \_ \_ \_ck \_  
Er \_ \_e \_ct \_ \_  
F \_ \_ \_ \_ \_uck  
G \_ \_o \_o \_c \_h \_ \_  
Ho \_e \_ \_ \_  
I -P \_ \_o \_o \_p  
J \_izz \_ \_ \_  
K \_ i \_k \_e \_ \_  
Lo \_b \_C \_o \_ck  
M \_ \_ot \_ \_ \_ \_ \_ \_he \_r Fu \_ \_cke \_ \_r  
N \_ \_ \_ \_i \_gg \_ \_ \_ \_er \_ W \_ \_ \_i \_  
\_t \_h \_ \_ \_ \_ \_ A H \_ \_ \_ar \_ \_ \_d R \_ \_ \_  
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Hope you enjoyed this issue, stay tuned for February when we tell you how to f■ y■ b■.





At least he has a girlfriend



Alec Sleeth  
- CIVIL I -

## The Dog Days Aren't Over

So I left you guys off with a story about my girlfriend's dog and his sexual pleasures. Yeah I guess you could say that I've already run dry for topics to write about and I've only just begun. But hey stop hating at least I'm trying. Anyways, I promised last article that I would leave a follow up of what happened over Christmas break as I would try to be more dominant around him so that he would stop humping me.

Long story short, it did not work. That damn dog will still hump me every time I see him. I was puzzled because after my extensive research

in my last article I thought that by being more dominant would get him to stop. Oh and side note, many of you questioned my research because I did not present a work cited in my last article, and I deeply apologize that you're an asshole and you should believe everything I say because I'm magical.

Alright back to topic, so yeah the dog still humps me but while he was I came up with two genius ideas. The first is for me to cut off my leg. Like why not at least ill get my dignity backs because a damn dog won't be humping me. Ok wait a second, that is a little too dramatic cutting off my legs to prevent a dog from humping me is a little over the top I get it. Okay so option number two, bathe my legs in chocolate or something nasty like

cat piss so that way he wont even come near me. Okay maybe that is a little dramatic but it can't be any worse than cutting my legs off, like seriously what am I saying right now. So now what I need to get him to stop humping me because that shit is nasty, and I think I know what to do. Ill just not care because there is more important shit to worry about. For example, when McDonald's doesn't give me enough sweet and sour sauce for my chicken McNuggets; When my mom cuts my sandwiches in half; And lastly, when my charging cable for my phone doesn't

reach my bed.  
In conclusion, the dog still humps me but it could be worse, he could be a cat. OH THE CONTROVERSARY I JUST OFFENDED CAT LOVERS, well get over it I'm majestic and cute. Oh and before you critique me on my article, my favorite artists of all time are Ke\$hA and Pit-bull so deal with it. I hope you have a great life because I'm not rude and I want the best for people. Goodnight my dear.



Callum "Irish Jesus" Pryor-Byrne  
- AERO IV -

### Callum's Quick Quotes

What do I do if I have a prostate exam? Push back and make constant eye contact

What do I do if I have to pick a wedgie? Reach for the stars and squat it out, if you shit yourself then you should get the callsign "up, up and I pooped"

How can I show CUSA how I feel? Look up poopsenders.com

Is it true I can't friends with pants on? Yo shut the fuck up, nobody thinks that's funny

### SPPP

#### Secret Parachute Protection Plan

Feeling the strain of friends/family coercing you into an early (and potentially fiery) grave? From the makers of Deathplane™ comes the S.P.P.P. program! The Secret Parachute Protection Plan can help you ease your transition into a world with no friends/family members by allowing you to live past another person's Deathplane™! S.P.P.P. even comes with complimentary grief counselling! Visit [www.idontwanttodie.com](http://www.idontwanttodie.com) to receive your information packet and to order your S.P.P.P. Remember, it's only too late to get off the plane if you're dead!



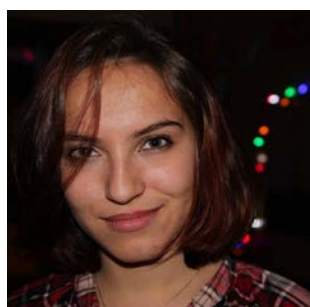


# REPORTS

Funny how every time of year is "that" time of the year



## A Pick Up Line Spectrum



Teo Blidaru  
- Biomed Elec I -

It's that time of year again! The time you're either happy for the cheap chocolate on February 15th, or happy for all the cute things you can now do with your current significant other. While pickup lines tend to get a lot of shit year round, I tend to view them as funny openers rather than a way to guarantee that you won't be alone at night. Here is a list of pickup lines for all your nerdy needs. Note: some of these might get you slapped if approaching random strangers; please know your target well enough before using these to avoid being labeled as a creep.

### THE GOOD

- I wish I was your derivative so I could lie tangent to your curves.
- You're like a dictionary, you add meaning to my life.
- I wish I was adenine because then I could get

paired with U.

- If I was  $\sin^2$  and you were  $\cos^2$ , together we'd be one.
- • You had me at "Hello World."
- • Are you full of Beryllium, Gold, and Titanium? Cause you are Be-Au-Ti full.

### THE BAD

If I was an enzyme, I'd be helicase so I could unzip your genes.

- I wish I was your homework, so you'd do me on your desk all night long.
- Want to meet up so I can excite your natural frequency?
- Let's meet somewhere, you bring your beaker and I'll bring my stirring rod.
- Baby, let me be your integral so I could be the area under your curves.
- If you were an ISP, I'd dial you all day long.
- Tonight this Han doesn't wanna fly Solo.
- Are your pants a compressed file? Because I'd love to unzip them!

### AND THE NASTY

- I wish we were in telophase so I could admire your cleavage.
- You make me want to calibrate my joystick with your latest drivers.
- What do you say we go back to my room and do some math: add a bed, subtract our clothes, divide your legs, and multiply.
- If I was an endoplasmic retic-

ulum how would you want me: smooth or rough?

- You make my software turn into hardware.
- My servers never go down.... but I do!
- It's not the length of the vector that counts, it's how you apply the force.
- Your bosons give me a hadron.
- I wish I was your second derivative so I could explore those concavities all day long.
- Let's take each other to the limit and see if we converge.

WARNING- ONLY FOR EXPERIENCED USERS

### BONE-US:

If you just wanna get to the point.

- Hey, did you fall from heaven? Cause please have sex with me...



Callum "Irish Jesus" Pryor-Byrne  
- AERO IV -

## Callum's Quick Quotes

What's a conspiracy theory that's out there? That Donny Jackson is actually Neal Traynor sent from the future to help... I can't think of anything... just go with the plot of terminator no no no no... terminator 2

What are some shows to watch? Always Sunny in Philadelphia, Hannibal, One punch man, Gilmore Girls, Scrubs, Billy Connolly: Journey to the Edge of the World

## CSES REFERENDUM

# VOTE

One-time fee increase of \$8  
Fix CSES fees to CPI

Vote on:  
March 1 & 2  
(via Cmail)



CARLETON STUDENT  
ENGINEERING SOCIETY

If in doubt start with lines from the good section first



Congress Article:

# COOL PATCH, BRO

A how-to article explaining the way to properly ask for patches



Yannick "iDildo" Brisebois  
- MECH II -

As engineers, we all know how awkward we can be. From the way were standing, to the way we speak and move our hands, its all bad in front of new people. In the first week of January I was given the opportunity to go to the CFES\* Congress conference in Calgary. This conference was all about engineering professionalism, and had many presentations on how to be a better engineer. One presentation that struck me the most was pretty much entitled "How not to be awkward in front of other people". So ill share that information by teaching you how to ask for patches without making a fool of yourself, because everyone loves patches.

Step 1 – Know what you want before entering the conversation. Before you introduce yourself, know what you want. In this case you really, really want this cool patch this guy has. Okay, now prepare yourself for how you are going to introduce yourself. This guy is probably going to ask a few things about yourself so have in mind a quick elevator speech that includes: your name, your school, program and maybe an interesting fact (first year rep, mechanical councilor, etc.). Also, mentally prepare yourself and accept that you will make mistakes. Its okay, everyone mixes words around or stutters, if you pretend nothing happened they will too.

Step 2 – Go up and talk to the guy (don't trip)  
Now you have to talk to him. If he's alone, walk up to him and introduce yourself with a handshake (shows friendliness). A simple "Hi, my name is iDildo, what's your name?" is enough. This starts your conversation; remember your preparation you did before. A good introduction allows for

friendship, and he will probably want to trade more with a new friend then some random. Now take the conversation where you want it to go. The whole point of talking is to get that cool patch. You will need to bring up the topic, you can probably say "hey, I was looking at your patches and that shiny one looks really cool" or something. You can then begin bargaining for it.

If that person is taking to someone else, wait for a small pause in their conversation to step in and introduce yourself to everybody. Then continue as mentioned above.

Step 3 – Continue your hunt  
Okay so you now have that patch you wanted, time to go get more. Don't just leave without saying anything, make sure you leave an impression on that person. You never know, you might see them again and they could have more cool patches to trade. It's even possible to become such good friends they let you stay at their house when travelling, or give you food. Anyway, when you are leav-

ing, thank them for their time and whatever they did for you, and give them another handshake. You are allowed to have an excuse for leaving like " Thank you so much for this amazing patch, it was nice to meet you and hopefully we will see each other again! I'm going to see if I can find other cool patches".

There you go, you now know how not to be awkward asking for patches. Actually, this technique can be used for pretty much any type of socializing. If you were looking for a job it would be the same approach but steer the conversation towards work. The key to remember is to be memorable, because you never know where that relationship can lead you.

\* CFES = Canadian Federation of Engineering Students



## NEW SCHEDULE

\*\* The schedule for NEW has yet to be finalized, change is therefore subject to occur. A finalized schedule will be released closer to the start of NEW.

	Monday, March 7th	Tuesday, March 8th	Wednesday, March 9th	Thursday, March 10th	Friday, March 11th	Saturday, March 12th
All Day	Scavenger Hunt	Scavenger Hunt	Scavenger Hunt	Scavenger Hunt	Scavenger Hunt	
Swag Day	Purple Pride	Bandanas	Hamp Day	Eng. Swag	Pinky RE-Promise	
830						
930	Eng Spirit March*					
1030						
1130	Virtual Ventures Elementary School Visit	Engineering Club & Society Showcase (Minto)	Non-Newtonian Fluid Display (Minto)			
1230		PEO Lunch and Learn (TBD)	Lunch w/ Dean/Profs (Leo's)	Interactive Program Showcase & High School Visit	Rube Goldberg Building (CB Foyer)	Faculty's March Break Day (not involved with)
1330	KNEX Competition (TBD)		Give-Back to Profs (Leo's)			
1430						
1530						
1630						
1730	PD Workshop(s)	Community Outreach (hat and glove donation) (CSES)				
1830		Triva (Ollies) (DOW pending)	Keynote Presentation (Fenn Lounge)	PD Workshop(s)	SREE-Soc Design Comp	
1930	CMAS CO2 Car Comp	CSCE Stuart Little Comp				Reflections
2030				Redbull Movie Night (RB 2200)		
2130						
Other	Locations listed are temporary and pending approval All events are open to the public * = Tentative event				Scavenger Hunt Due @ Midnight	





## CARLETON STUDENT ENGINEERING SOCIETY



Alexander's Office  
2090 Minto Case



/MyCSES



[www.cses.carleton.ca](http://www.cses.carleton.ca)

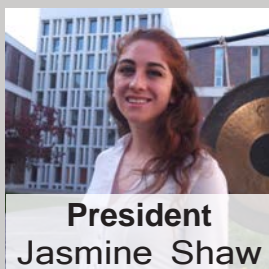


@MyCSES

## 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.



**President**  
Jasmine Shaw

"Hey C-Eng, I hope you've been enjoying the busy semester so far! It only gets better from here - this month, one of the biggest initiatives that CSES has been working on for the past 2 years will be coming to fruition: our fee referendum. Nominations for the Yes & No committees will take place from Feb. 8-12, campaigning from Feb. 13-29, the Town Hall on Feb. 29, and voting on March 1 & 2. Make sure to stay up-to-date with all the info, and don't forget to VOTE to help move CSES forward."



**VP Social**  
Erin Hemm

"Hey C-Eng! I hope you're second semester is treating you well so far because I have a lot of things planned for you! On February 5th we'll be going to Capital Hoops to see both the women's and men's basketball teams take on UOttawa at the CTC. The following week (8-12) will be February Feel Good Week. FFGW week is a week dedicated to de-stressing during midterms and raising money for mental illness, FFGW will include a multitude of events consisting of, but not limited to Trivia, Yuk Yuks, and V-Day Pub. Hope to see you all come out!"



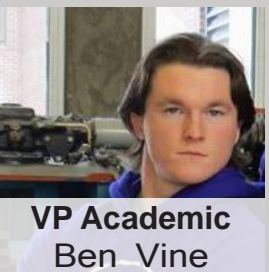
**VP Finance**  
Justine Godin

"Hey Ce-Eng! Hope everyone is settled into this semester now. Applications for the winter portion of Student Group Funding opened on January 8th and close on February 5th. Consult the CSES website for more information on acquiring funding. Also student groups do not forget you can still request reimbursements for allocations made in the fall term. The deadline for these will be at the end of the semester"



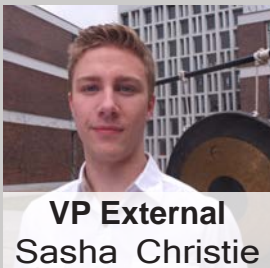
**VP Internal**  
Julia Dalphy

"Hey C-Eng! Over the past month I was preparing for our Winter General Meeting (which has great turnout and participation!), preparing for this year's Grad Festivities, revamping our Electoral Code, and assisting in arranging the logistics some bonus events for you, including: the Eph Apparel Suit Fitting and SOOPP's Resume Workshop. In February, make sure to order your complimentary, customized Pewter Mug via our website if your a grad, keep your eyes open for our Ring Day Celebration plans, and fill our end-of-year Awards nomination form! Also, check out the eNewsletter for C-Eng's weekly info stream and event list! Catch you soon, C-Eng"



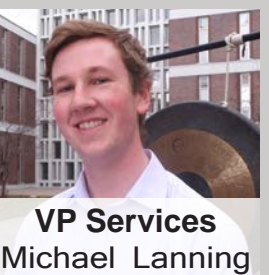
**VP Academic**  
Ben Vine

"Hello everyone! OEC 2016 happened the last weekend of January, and team Carleton showed up with their A game. If you know who anyone who did compete, let them know... GREAT WORK! NEW is creeping up on us, so if you have any suggestions or inquiries about it, please feel free to contact me through email, facebook or come find me in person. I will be running a workshop sometime in February, so stay tuned for more details. If you have not heard already, there is an academic concern form you can fill out on the CSES website. This is for any concerns you may have with anything relating to your academics. Please don't hesitate to fill one out if you have any concerns, it doesn't hurt to ask"



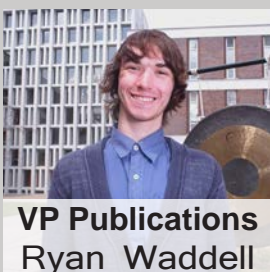
**VP External**  
Sasha Christie

"Hey CSES! At the beginning of the month myself and a delegation of first year students attended ESSCO's First Year Integration Conference at Ryerson University. This conference offered a variety a leadership development workshops and networking opportunities that we took advantage of. Now, the students that attended are trying to spread their new knowledge through Carleton for your benefit! Make sure to watch out for articles, podcasts or workshops that will be offered in the near future about what we learned at the conference!"



**VP Services**  
Michael Lanning

"How's it going C-Eng? This past month, the textbook trade happened! But enough about that. Don't forget to e-mail me if you have ideas for merch and engineering swag you want to see on our shelves! You should also let me know what textbooks you need in our library! Because nothing sucks more than having to buy the Electronics book for 300\$, or a code book. Lastly, Find somebody in the halls and compliment them! That's me for the month! Have an excellent reading week! Don't read too hard!"



**VP Publications**  
Ryan Waddell

"Hey there C-Eng! Keep an eye out for some new swag coming out this month!! Hope you all enjoy the designs!"

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 word puzzles are just as bad as number puzzles

## Remote Association Test:

Each set of three word has one word that is connected in some way to each of the words individually.

1. loser / throat / spot : \_\_\_\_\_

2. dew / comb / bee : \_\_\_\_\_

3. aid / rubber / wagon : \_\_\_\_\_

4. flake / mobile / cone : \_\_\_\_\_

5. dream / break / light : \_\_\_\_\_

6. high / district / house : \_\_\_\_\_

7. nuclear / feud / album : \_\_\_\_\_

8. boot / summer / ground : \_\_\_\_\_

9. french / car / shoe : \_\_\_\_\_

10. teeth / arrest / start : \_\_\_\_\_
11. wet / law / business : \_\_\_\_\_

12. test / runner / map : \_\_\_\_\_

13. tooth / potato / heart : \_\_\_\_\_

14. illness / bus / computer : \_\_\_\_\_

15. fence / card / master : \_\_\_\_\_

16. home / sea / bed : \_\_\_\_\_

17. over / plant / horse : \_\_\_\_\_

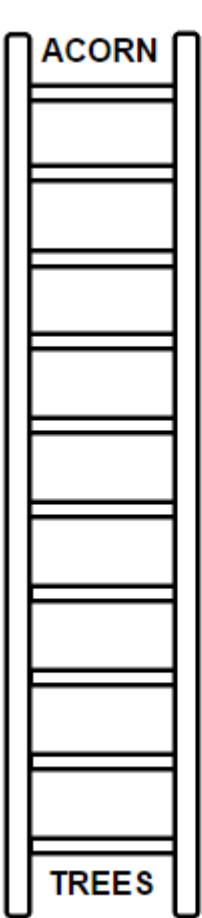
18. back / step / screen : \_\_\_\_\_

19. cracker / union / rabbit : \_\_\_\_\_

20. blood / music / cheese : \_\_\_\_\_

## WORD LADDER

A word ladder is a sequence of words formed by changing just one letter each time  
eg. CAT - COT - DOT - DOG.

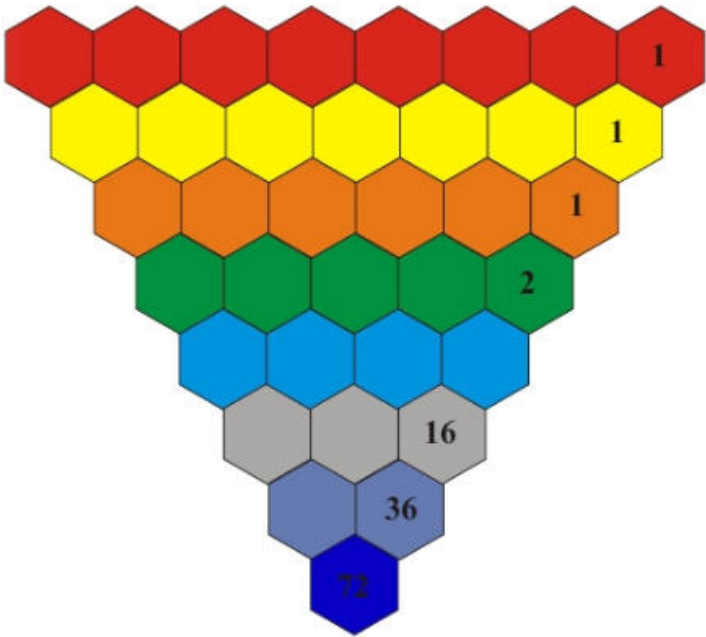


- Clues:
- Contempt
  - Result
  - Ambit
  - Gradient
  - Swill
  - Failures
  - Ice masses
  - Runs away
  - Liberates

## Sudoku

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

Fill in the empty hexagons so that the number in each hexagon shows the sum of the 2 numbers in the two hexagons immediately above it? (negative numbers not allowed!)



## Horoscope

### Aries

PERHAPS YOUR VALENTINE WILL GET YOU A PASSING GRADE ON YOUR MIDTERMS AS A PRESENT. IF ONLY THAT WERE POSSIBLE.

### Taurus

SPENDING YOUR GROCERY BUDGET ON HALF PRICE CHOCOLATE MIGHT NOT PAN OUT AS WELL AS YOU HOPE.

### Gemini

GOOD THING YOU TOOK THOSE PARKOUR LESSONS; THEY ARE YOUR SAVING GRACE FOR ATHLETICALLY AVOIDING CUSA REPS IN THE TUNNELS.

### Cancer

SHOUT OUT TO DRUNK YOU FOR ORDERING VALENTINE'S FLOWERS AHEAD OF TIME. TOO BAD YOU ACCIDENTALLY SENT THEM TO YOUR-SELF

### Leo

AT LEAST YOU KNOW YOU HAVE THE 14TH FREE TO DO ALL OF YOUR HOMEWORK, THAT'S A GOOD THING RIGHT? RIGHT?

### Virgo

PERHAPS YOU SHOULD TRY DATING ANOTHER VIRGO, THE ONLY PEOPLE WHO WILL UNDERSTAND YOUR CLINGYNESS

### Libra

YOUR WIPE OUT IN THE HALLWAY AND SUBSEQUENT SALT COVERED CLOTHING HAS STARTED A FASHION MOVEMENT. AT LEAST THE EXCESS SALT IS BEING APPRECIATED.

### Scorpio

LOOKS LIKE YOUR AI PROJECT WON'T BE FINISHED IN TIME. MAYBE NEXT VALENTINE'S DAY YOU WILL HAVE SOMEONE TO TALK TO

### Sagittarius

YOU ARE DOOMED TO BE SINGLE FOR THE REST OF YOUR LIFE. OR AT LEAST UNTIL NEXT YEAR'S ENG LOVE

### Capricorn

YOU NOW KNOW THE OPTIMAL RATIO OF CO-OP APPLICATIONS TO INTERVIEWS. STILL HAVEN'T FIGURED OUT THE INTERVIEWS TO OFFERS YET.

### Aquarius

APPARENTLY, JUST BECAUSE YOUR BIRTHDAY IS NEAR VALENTINES DAY DOES NOT MEAN YOU ARE ANY MORE LIKELY TO GET A DATE

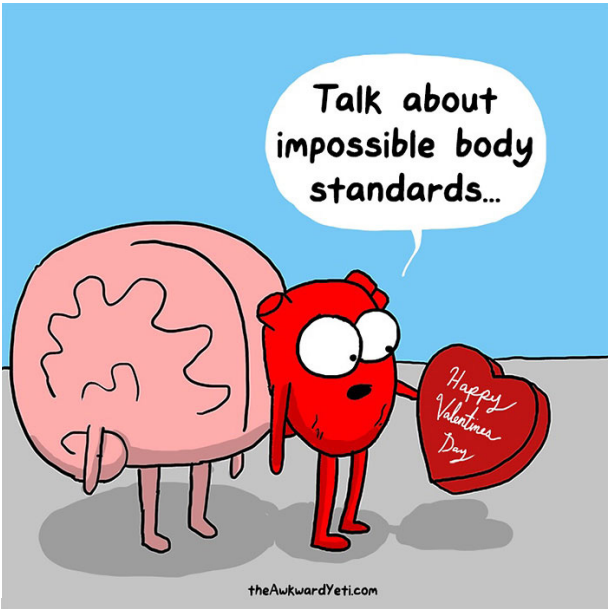
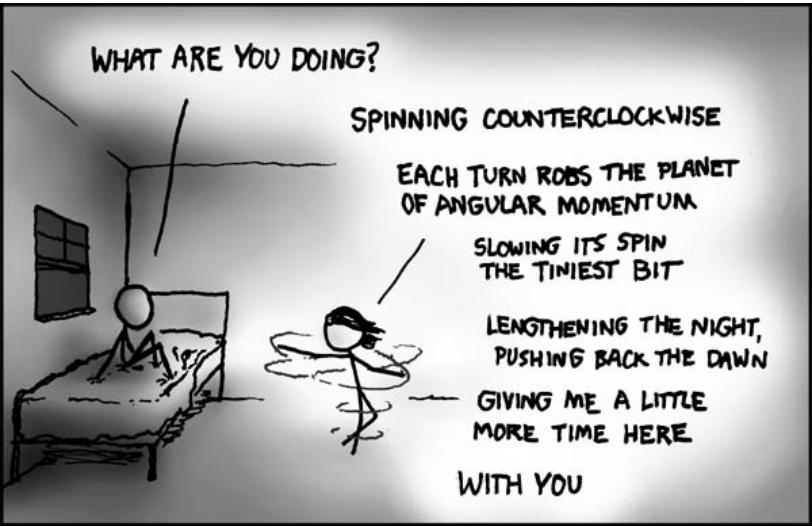
### Pisces

DON'T WORRY, YOU HAVE ALMOST HALF OF MONTH LEFT TO FIGURE OUT YOUR INDECISIVENESS ABOUT VALENTINE'S DAY.



# CENTRAL

Can we just agree to make poofy coats sexy?



(c) Sarah Andersen



Did somebody say free Valentines cards for the taking?



# LAST CALL

Love them!

**Hometown:** Ottawa  
**CENG Involvement:** President of Q, N.E.W. promotions director, CSES media team member, finance director for the musical, Spirit for Engfrosh 2016, Frosh Facilitator 2014-2015.  
**Favourite Supervillain:** Ursula or GLaDOS  
**If you had to eat only one food for the rest of your life what would you chose?** Chilli mushroom curry  
**Describe yourself in three words:** Chaotic, Energetic, Calculated  
**If you were trapped in an elevator who would you choose to be trapped with?** Angie Cox, Arlin Otto, Kevin Stadnyk and Connor Pelletier  
**If you were an ice cream flavour, what would you be?** Black Licorice Sherbet  
**Three wishes:** I wish I had the ability to see into the near future, a super metabolism, and a magical credit card that never needed to be paid back  
**Would you rather be able to fly or breathe underwater?** I want to fly far far far. Far. FAR AWAY.  
**Steel, concrete, or wood?** All about that wood.  
**Favourite thing about CENG?** The magical place that is the 3300 block and the fact you can be who you wanna be.

**The Iron Man**  
**Adrian “G.A.Y.B.E” Soble**  
- ACSEenviro III -



## USES for the CHARLATAN

- > Make all the paper roses
- > crumple up and throw in a rage when you fail at your third attempt at a paper rose
- > Wrap your gift to your Valentine in it, anything looks good when prefaced by the Charlatan
- > Crumple some up and use as a pillow in those boring lectures. Bonus points if your prof turns off the lights
- > Kindleing to burn down Spirit's house when you don't make it as a heads team
- > Kindleing to start a fire in an attempt to lower your heating bill
- > Kindleing to start a romantic fire to cuddle beside with your hot date
- > Kindleing... burn it... burn them all
- > Desperately attempt to remove the Ottawa such and salt from your boots
- > You could read it

**The Iron Lady**  
**Katelynn “Flying Dutchman” Bolster**  
- AERO B III -



**Hometown:** Smithers, BC  
**CENG Involvement:** Engfrosh: Facil 2015, Planning-Sponsorship 2016; CMAS member; CEng Musical actor/dancer/singer; editor and columnist for The Iron Times; Carleton Planetary Robotics Team; National Engineering Week Sub-Chair; Leo's Lounge volunteer  
**Favourite Supervillain:** Catwoman meow.  
**If you had to eat only one food for the rest of your life what would you chose?** Crème brulee  
**Yourself in three words:** blonde, sassy, organized  
**If you were trapped in an elevator who would you choose to be trapped with?** Bradley Cooper  
**If you were an ice cream flavour, what would you be?** Birthday Cake  
**Three wishes:** 1- to get 8 hours of sleep every night, 2- to learn things without having to study them, 3- to have a robot to cook for me every day  
**Would you rather be able to fly or breathe underwater?** Fly fo sho!  
**Steel, concrete, or wood?** Wood, cause I could use it to make a bonfire  
**Favourite thing about CENG?** Definitely the inclusivity of the community. Whether school-based or otherwise, there is always someone to lend a hand and make everyone feel at home.

**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:**

- Accidentally serching on Bing, twice
- Holding two people hostage until they submitted articles
- Ransacking Facebook for picture
- One all nighter
- Various emailing at absurd hours

**Apologies:**  
I'd say we should appologize to AskBae, but part of me is just like Nahh



WITH ANY LUCK WE'LL SEE YOU IN MARCH