

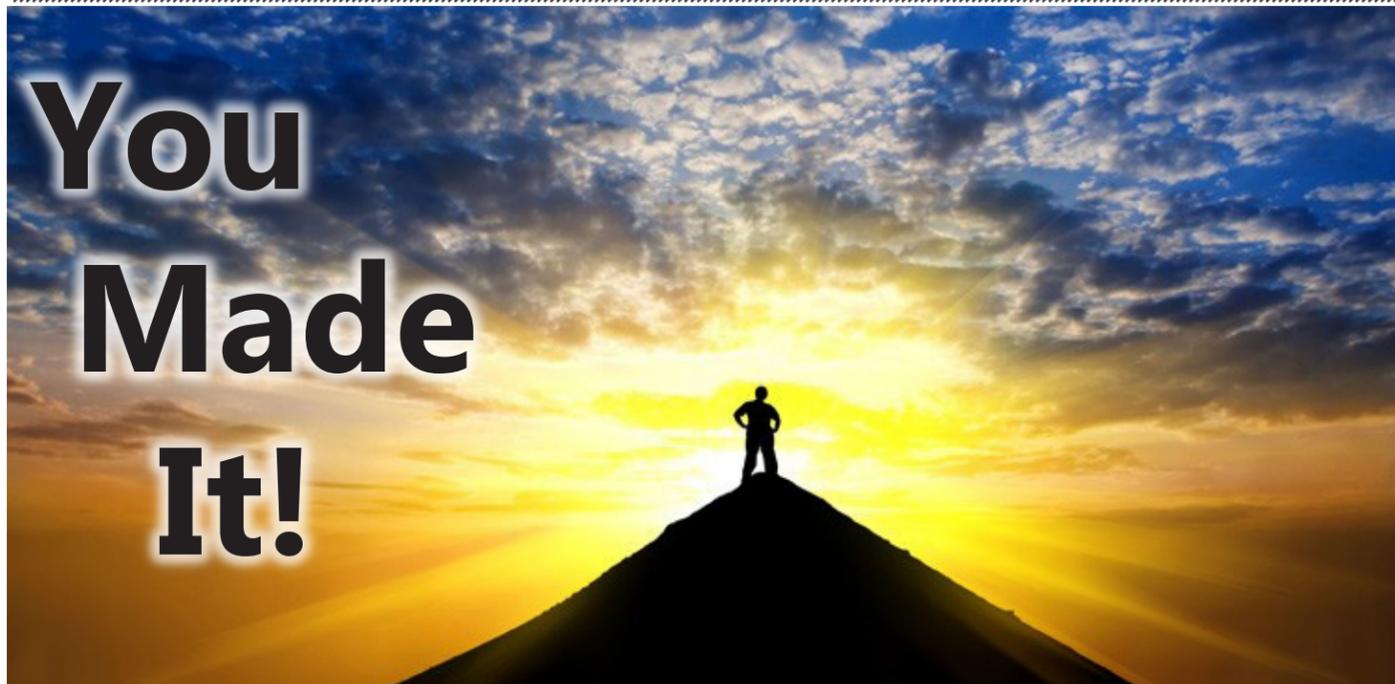
the carleton student engineering newspaper

THE IRON TIMES

Who Rules the New World!

cses.Carleton.Ca/Publications/theirontimes

January 2016



BENEATH
THE
COVERS



SEXY SEXY CANINES
PAGE 7

BE ON THE LOOK
OUT FOR RCS
PAGE 8

YOUR OTTAWA
GUIDE
PAGE 10

MARVEL FEVER
PAGE 14

EXEC IT UP!
PAGE 17

AND MUCH MORE!!!



Jonique Gardien
- ARCH ENG I -

As defined by Google, panic is sudden uncontrollable fear or anxiety, often causing wildly unthinking behaviour. I don't think I fully comprehended the meaning of panic, the feeling of how easily it can consume you – until this past exam season. Waking up 3 hours before your alarm on a consistent hourly basis in anticipation was just the beginning. The rushed walks to the Field House, the endless thinking... to go crazy is an understatement. Exam season is officially deemed treacherous in my

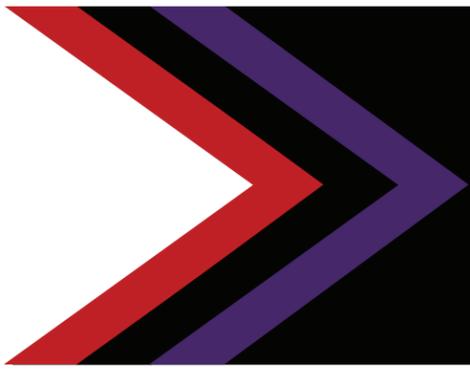
books. Especially as a first year, I mean how hard is it to study, eat, and sleep for approximately two weeks straight, right? Well it's the hardest thing ever. Eat and sleep start to become optional by day 4, and then you have to remember that they're eventual necessities – sleep and food that is. And I'm just in first year, so I'm sure, absolutely sure that it only gets crazier from here. A good friend once told me that the first time you try something new, you'll surprise yourself. She said the second time you succeed it's by luck, and the third time, is by your experience and skill. Well as first year engineers we sure as hell don't have any experience or skill when it comes to handling the exam season, and we probably didn't get by with much luck. I'd say we

were all surprised with how everything turned out, and I was definitely surprised at how much coffee I drank in the last two weeks. My facil during EngFrosh was right; "Do you drink coffee?" "No..." "Well you will now, you're in engineering." Little did I know how true those words would ring throughout the semester. But I have to say, it's been swell. Congrats to all those who made it, and an applause to the upper years, who will see this article and laugh at the petty worry and complaint of exam season from a first year. I know you know that it gets worse, and we – I – first year engineers have no idea on what's going to come, but hey, we'll get there. Hope you all had a smashing Holiday and New Year, here's to making it to second semester.



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



EDITORIALS

More like from the couch in the Editor's family living room

FROM THE DESK OF THE EDITOR



Rebecca "Swallow" Feddema
- Arch Eng III -

The Crest of the Best

Ever wondered what goes into the crest of a University?

This past Christmas my parents were gifted with a pair of lovely wooden coasters each depicting the official crest of their respective universities, the Universities of Guelph and York. Of course the inevitable happened and the argument of the best university coat of arms took place, don't worry, obviously Carleton won, and here's why.

York is a decent university, it was established in 1959 and is the third-largest university in Canada. It has the perks of being in the middle of nowhere (or at least it was back in my mother's time there), but the city of Toronto has grown around it. The rumor is that the campus used a southern California design, not the best decision for a northern climate. Apparently walking from build-

ing to building in the dead of winter was not the best experience. Luckily my mother did not lose any of her fingers to frostbite. But really, York is a great school. It was the first university to have an in class practicum for their education program. York's coat of arms is also pretty cool. York's coat of arms was designed by war artist Eric Aldwinckle, who began working on it in 1960. When the design was finalized in 1968 the red and white colours were chosen, so as to contrast the blue and white official colours of the University of Toronto. The two lions of the top of the shield are from the arms from the city of York in England while the white rose in the center of the crest is from the royal House of York from way back in the 15th century. As you might have guessed York University still has a lot of ties to England. And last but not least, York's motto on their coat of arms is "Tentanda via" which in English

means "the way must be tried", all in all, a pretty decent school and coat of arms.

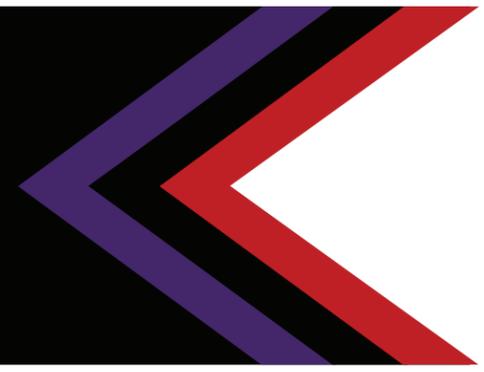
Guelph the other hand was just fun. Or, so says my Dad.

Guelph is located even farther from the civilization of Toronto, which could be seen as a good thing. A noteworthy feature of Guelph's rural campus is its buildings. One in particular being the Colonel John McCrae legion hall, designed to hold 1000 people at once, this hall was packed with over 1200 "aggies" at the beginning of each semester (obviously the building was made for the agricultural students). Apparently aggies party as hard as engineers, or at least they did in my dad's day. Though Guelph only officially became its own university in 1964, it operated as the Ontario Agricultural College since 1874 making it super old, and awesome. Guelph also has a veterinary medicine program that is ranked 4th in the world

along with a kick ass agricultural program, and many other programs. Guelph's coat of arms was designed by Eric Arthur and John Hall from the University of Toronto's School of Architecture. The crest has a very simplistic design featuring a white stallion, a book, and astrolabe, and a cornucopia. The stallion is a symbol from the House of Hanover's coat of arms, being the family where the name Guelph comes from. The book, astrolabe, and cornucopia symbolizing learning, science, and abundance and agriculture respectively, a pretty succinct description of the school if you ask me. Finally, Guelph's motto, as seen on their coat of arms is "Rerum cognoscere causas" which in English means "to learn the reasons of realities", alliteration, got to appreciate that. The coat of arms of an university represents many qualities of the university, and so far we've seen a couple of examples of decent coats of arms. But, if you really want a great university coat of arms, look no further



EDITORIALS



And now you know!

ELEMENTS OF A COAT OF ARMS

The combination of some or all of these elements makes up what is known as an achievement of arms:

Shield

The basis of all coats of arms.

At their simplest, arms consist of a shield with a plain field on which appears a geometrical shape or object.

The items appearing on the shield are known as charges.

Crest

The crest was a later development arising from the love of pageantry.

Initially the crest consisted of charges painted onto a ridge on top of the helmet.

Later crests were three-dimensional objects, made from wickerwork, boiled leather or other materials.

It was rare for universities to have arms which included a crest, although it has become more common.

Motto

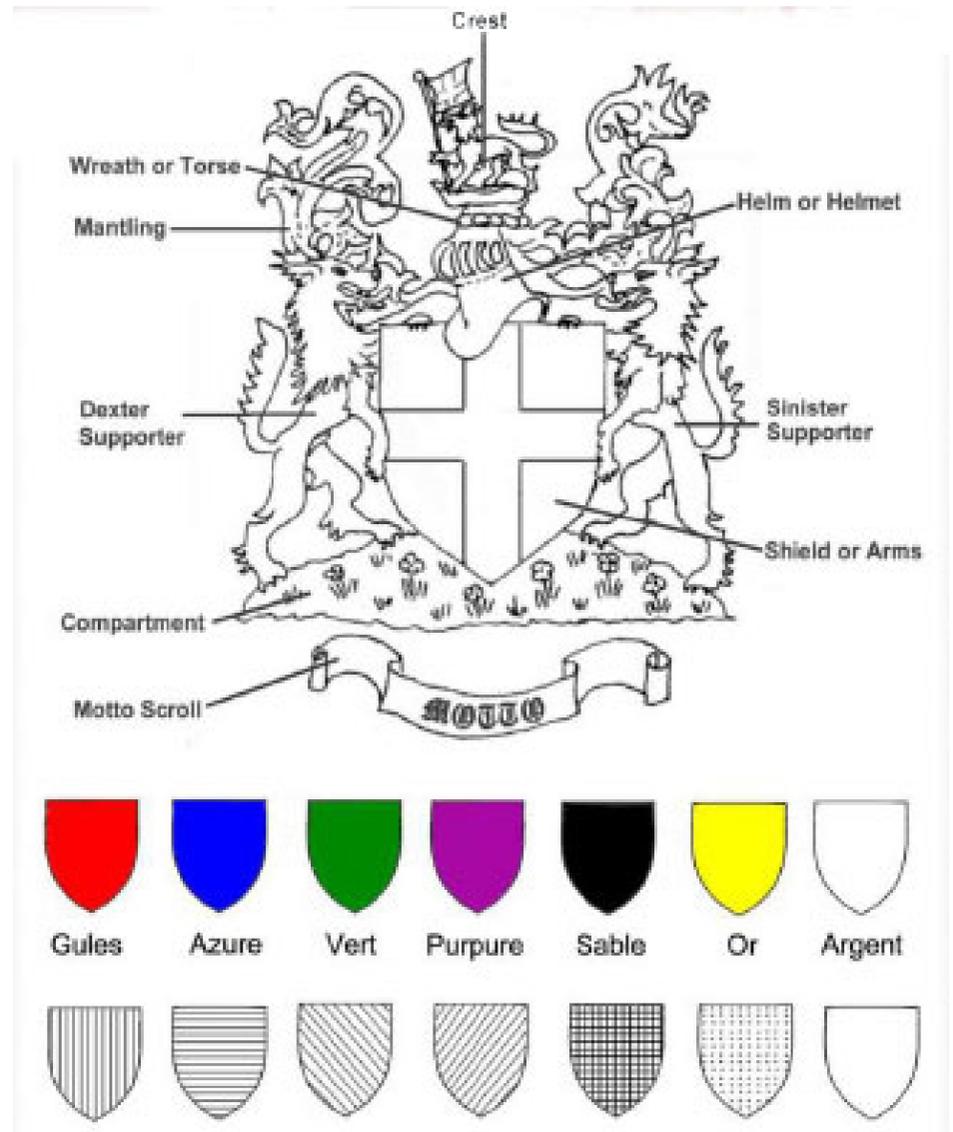
The motto was originally a war cry, but later mottoes often expressed some worthy sentiment.

Supporters

These are human or animal figures standing on either side of the shield and support it.

Possibly originated as "filler" work on the part of seal engravers, now generally restricted to the most senior grades of orders of chivalry, the peerage, and to corporate bodies.

[http://sydney.edu.au/heraldry/what_is_heraldry/elements_of_a_coat_of_arms.shtml]



than your own school.

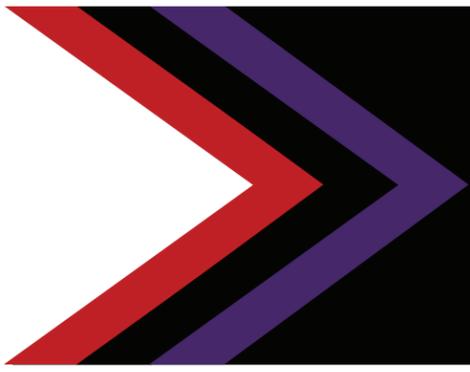
Carleton was established in 1942, so it's a bit on the young side, but we are coming up on the school's 75th anniversary (if you haven't noticed from the gigantic posters plastered on all of our buildings). Carleton's coat of arms was presented to the school by the Governor General of Canada himself! (that being the Right Honourable Ramon John Hnatyshyn, back in 1992 at the school's 50th anniversary) Carleton's motto: "Ours the task eternal", a line taken from a poem called Pioneers from the author Walt Whitman, isn't written in some unreadable ancient language like every other university sees fit to use. Also the symbols on our coat of arms are super cool. The center of the crest has an open book, symbolizing the pursuit of knowledge which is open to all who wish to par-

take of it. Atop of our crest is a phoenix, the most majestic of birds (I mean Dumbledore had one) symbolizing the renewing of learning from the older foundations which recognizes Henry Marshall Tory's role in the foundation of the University when he was 78 years old. The ravens, maple leaf, and other items generally symbolize the

awesome heritage of school itself (you will also notice that Carleton's coat of arms has supporters while Guelph and York do not. Not that Carleton needs support or is weaker than others in any way. The raven's simply add a majestic air to the coat of arms). In conclusion, the Carleton University coat of arms symbolizes sound learning, good citizenship, and the highest hopes of humanity.

60 Canadian universities have their own official coat of arms and almost 40 Canadian colleges have variations on the coat of arms. Now you may not agree completely, but I think Carleton's coat of arms does a pretty good job of representing our fantastic school (or at least I won the argument of who has the best university coat of arms).

	<h2 style="font-family: cursive;">Want to write for us?</h2>
	<p>You know you do!</p>
	<p>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 irontimes@cses.carleton.ca</p>
	<p>Did I mention it's a stamp?</p>



EDITORIALS

Are we still saying twently instead of two-thousand?



Ryan "Hell Boy" Waddell
- Arch Eng III -

New Year's Resolutions. New. Year's. Resolutions.

Remember those things? Those promises people make to themselves. Things they say they'll do and keep doing in the New Year. Some people make outrageous resolutions, which no normal human being can fulfill. For example, people who say they'll do an Instagram post every day. Really? Every single day? That's 365 posts (366 because this year is a leap year). Unless you're willing to lower the quality of your Instagram posts by posting photos of similar content, this is probably an unachievable resolution. Then there are the people who think they're clever so they say, "My resolution is to not have a resolution this year." Think about what you just read. That sentence contradicts itself. By stating you have a resolution you are falsifying your promise to not have a resolution. Your resolution is breaking your

resolution. The moment you speak those words with intent you have already broken your resolution. So please C-Eng, don't do that, just do me a solid favour and use a glimpse of proper logic in your resolution structuring.

A lot of the time people do some sort of resolution which will help themselves in some way. They promise to start going to the gym, eating healthy, taking time to read a book, saving money, or doing some sort of stress relieving activity. This is usually great for the first month or so, and some people can even go two or three months of sticking to it! But eventually, people end up breaking their resolutions they made for themselves. This year though, I challenge you to do a new kind of resolution. But before you start worrying about the fact that it's already part-way through January and you've already made a resolution, then just you hold on, never fear for Ryan's here! A New Year's Resolution is a made up concept that society holds people to. You don't actually have any obligation to do a resolution in the first place, so if you take some extra time to think of a good resolution that

you might actually keep, I think society will let it slide. Now, back to the suspense of my challenge for a new variety of resolutions! Rather than doing a resolution which involves you doing something for yourself, why not try one which forces you to help others, and make a difference in someone's day? This year, I challenge you all to make your resolution to go out of your way to do something that will bring joy, and possibly a smile to someone else's face, once a day, every day.

Now I know you might be thinking, "Wow Ryan, that seems great in theory, but I wouldn't know what to do every day. And we're all so busy with school, so how can we expect ourselves to do something like that every day?" This is where people could be overthinking what I'm saying. Think about what brings a smile to your face. Think about when you walk down a hallway, or a sidewalk, and some stranger looks to you and gives you a smile. Remember how great that feels when you are having a rough day? When you're feeling stressed, down, or just are just having a rough time, knowing that someone out there is able to smile at you,

and acknowledge you when we live in a society full of busy people rushing to and from classes or work, and often times don't even acknowledge each other's existence. This little thing that someone did can bring a smile to your face, and could potentially brighten your day. Now, think about how much work it would be for you to smile to a stranger walking in the hallway. It's just making short eye contact, and flicking some facial muscles. Is that really all that much work?

Another option would be to think about what you do with your friends to bring each other joy. Your friend needs someone to talk to? Maybe needs to vent about something? Literally all you need to do is listen, and acknowledge what they're saying. If they are asking for advice and you're not comfortable enough to give advice, which is more than reasonable in some cases, they just explain to them that you are there for them 100% but that you don't feel confident enough to be able to give advice on their specific circumstances. But whatever you do, make sure they know that you are listening to them. That could take maybe five to ten minutes out of your day,

EDITORIALS

How about we don't channel our inner Calvin this year?

I can't believe it's been a year since I didn't become a better person.



your eCards
someecards.com

which is still being spent with friend(s), and you just brought some sort of joy to someone's day.

Maybe you're planning on hanging out at home for a day or so, you know, go full hermit mode! Now you're thinking, "Hah! I found something which will stump Ryan. If I don't see people I can't make them feel good!" Nice try. Valiant effort. But not good enough for me. Because you see good ol' Alexander Graham Bell was a stand-up guy and decided to invent this thing called the "telephone" and most people nowadays have some sort of phone. There's also a thing called the "internet". And you cannot forget about the "pencil, pen, and paper". All of these tools can be used to aid you in making someone's day while sitting around at home and now leaving your house, or couch, or bed (and you don't even need to get dressed). When was the last time you

phoned home? Your grandparents? How about an Aunt and/or Uncle? Getting a surprise phone call from a family member who doesn't live near you always feels great! It just reminds you that they are thinking about you, and haven't forgotten about you. But wait! What if the person you want to phone is busy and can't take a phone call when you try? Leaving a voicemail is just as great! They'll get the message and be left thinking, "Wow, they really do care about me, and miss me." Think about how often people hear the answering machine and just hang up. Then the phone just shows that you called, but didn't care enough to take the time to leave a message. So take the time to leave the message so they can hear your voice and know that you care! But, "What if I don't have my distant family member's numbers, and I know nobody will be home to take a call or hear my message?" That's where the internet, and the pencil, pen, and paper can come in handy! Hop on that email, and send a nice virtual letter to someone! Put some effort and write some good stuff. Ask them how they are doing, tell

For my new year's resolution, I promise to stop correcting your terrible spelling and focus more on your horrific grammar.



your eCards
someecards.com



them how things have been for you, and make sure to tell them you miss them! Finally, "What if I don't have anyone's email address?" Do you have roommates? Live at home with your family? Get some scrap paper and a writing utensil, and write a little note for them. Tell them how much you appreciate something they do/did for you. Doesn't need to be anything big, just something that they've done to make you feel good! Everybody likes getting acknowledged and thanked for something they did for others, so catch 'em being good, and make sure they know how much they're appreciated!

As you can see, a reso-

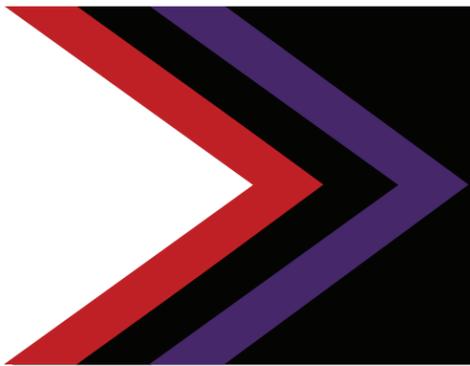
lution to bring someone joy once a day comes with countless different ways for you to keep true to the promise. Still skeptical? Maybe you're thinking, "How would doing all this good for other people benefit me?" Really? Who doesn't take pride in knowing they did something good for another person? Think about all the times people have done something to brighten your day; why wouldn't you want to be a part of this? It's easy to fulfill, makes others happy, makes you happy, and is just a positive experience in all ways. So C-Eng, I hope to see people taking this challenge.

COLE'S NOTES

FOR PEOPLE WHO DON'T WANT TO READ THE WHOLE ARTICLE:

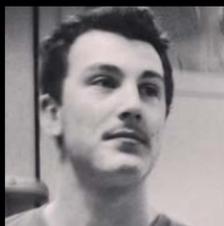
- People make stupid and/or selfish resolutions.
- Challenge: to bring someone joy once a day.
- examples of ways to complete:
 - Smile to strangers
 - Be there for a friend in need
 - Phone/email a distant relative
 - Show appreciate to your Roommate(s)
- Benefits:
 - Easily completed resolution
 - Self satisfaction
 - Others will be filled with joy
 - ...
 - Profit???

Or you know, the engineers can work on their grammar...



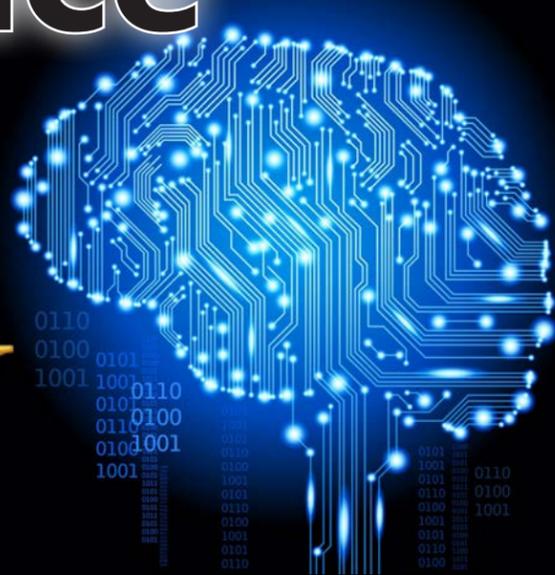
COLUMNS

Apparently not everyone can have both.



Elliott Berg
- SREE B III -

Intelligence or Beauty



Check out Elliott's blog, Tip of the E-Berg, at <http://tipeberg.blogspot.ca/>

Yesterday I was engaged in a rather intense discussion on which trait intelligence or beauty is a more important determinant of success. It really bothered me that a conclusion couldn't be reached so I set out to find the answer.

Obviously that answer cannot be precise and many assumptions have to be made nonetheless I feel confident that a "answer" can be determined.

Assumption etc. (these assumptions are clearly false yet necessary reach a conclusion)

- Intelligence can be reduced to IQ

- Success is determined by annual income

- Beauty (depending on the source) is determined by what others consider to be an attractive or unattractive person. The bell curve that represents beauty is reduced to either "yes or no."

- Below/above median intel-

ligence is considered to all be the same. Just like beauty, a given subject is either "smart" or not.

- My sources are legit while my human eye can precisely read and analyze data off a graph

In short Intelligence is about three or four times as important as important as beauty in determining one's annual income.

The three sources I had for the correlation between IQ income suggest that a person below/above average IQ will deviate from the mean income by 25-30%. Meaning that people above the average IQ will experience on average a 25-30% increase in annual income over the average income, and those with below average IQ, a 25-30% decrease.

Now beauty is

more difficult subject to tackle but despite the lack of precision there certainly seemed to be consistency among the sources:

Intelligence Income Deviations
Above Average IQ Below Average IQ
Change in income +25-30%
-25-30%

Overall, beauty will cost an unattractive person 5-10% and provide an attractive person with a 5-10% boost. These rather imprecise numbers suggest that intelligence is 3-4

times more important in financial success.

Interestingly the data suggests that beauty is more of a factor among men, in contrast to society's common conceptions, and in one of these sources it mentions that there is a correlation between IQ and attractiveness of around 10% (something you wouldn't expect if you follow reality T.V. or politics.)

Good day.

Beauty Income Deviations				
Source	Gender	Disadvantages (Unattractive)	Advantages (Attractive)	Location
Economist:	Men	-9%	+5%	US
	Women	-6%	+4%	US
	Men	-9%	+5%	UK
	Women	-9%	+5%	UK
Forbes:	Men	spread 17%		
	Women	spread 12%		
Success.bz	Neutral	-5 - 10%		

- https://www.success.bz/articles/2536/want_a_successful_career_be_tall_and_attractive
- <http://thesocietypages.org/socimages/2008/02/06/correlations-of-iq-with-income-and-wealth/>
- <http://www.tino.us/2011/04/david-brooks-and-malcolm-gladwell-wrong-about-i-q-income-and-wealth/>
- <http://blog.bcicaresearch.com/wp-content/uploads/2013/10/Chart-III-3-IQ-Tends-To-Be-Positively-Correlated-With-Income-And-Wealth.png>
- <http://www.economist.com/node/10311266>
- <http://www.forbes.com/sites/susanadams/2011/08/30/does-beauty-really-pay/>

COLUMNS

Because humans never have such ridiculous displays of dominance



Alec Sleeth
- CIVIL I -

Dogs and Their Sexuality



Dogs are so much fun. Like so much. They get all excited when they see you, love to play and are very loyal. Just an all-round great pet. That being said it's common for us humans, to destroy their sex drive by snippin their testis off. Before I carry on, just think if the roles were reversed and we were the house pets that had to go through that... Ouch. Sorry for putting that image in your head, ok moving on. That being said if we didn't get our dogs neutered they would be humping everything so it is kinda necessary.

After the surgery, the veterinary promises that they will no longer have that urge anymore but I beg to differ. I

have met many dogs that will continue to hump anything they see but this is not why I am sharing my thoughts with you. My girlfriend's four-year-old Cockapoo is a very special case. He is neutered but that doesn't stop his sex drive. He is very special because he doesn't hump just anyone, he only humps guys. And this is not just a coincidence because every time I have seen him do it, it is with a guy and never a girl. Even when it comes to dogs, he will only hump male ones and never female dogs. This has made me wonder, can a dog be homosexual or is it just that one case?

Well after doing extensive research, here is what I

have come up with. Dogs do not have a specific sexuality, they engage in sex depending on dominance. If they are more dominant compared to another male the dog will have intercourse with the other male. This does not mean that they are permanently gay even if they only endure homosexual intercourse. When thinking about it, this makes sense because my girlfriend's dog is only exposed to my girlfriend's family and me. He only starts humping me and her brother and not her father. Makes sense, he has asserted his dominance

over her brother and I.

Here comes the sad realization from writing this article, this dog feels dominant around me. He is not a big dog at all and I am his inferior. That is pathetic, like I gotta man up and show him who is boss. Now I am going to perform an experiment, I am going to be a lot more assertive and dominant towards him and see if I can regain my reputation. I will follow up with you next issue, Sorry for leaving you on a huge cliffhanger but deal with it boi. Rekt.



Read all safety material before handling hazardous material

Relationship Codependance Syndrome

DANGER

BIOHAZARDOUS
POISONOUS TO SOCIAL LIFE
MAY CAUSE IRATATION TO YOUR FRIENDS AND
THOSE AROUND YOU



Julia "Teabag" Poinsettia
- ACSE III -

We've all seen it happen. Maybe it happened to your friend, your classmate, or even to you. People start dating someone and suddenly they're completely different people. In fact, they're barely a person at all without their significant other. I call this "relationship codependence syndrome" or RCS and it's something that needs to stop.

First, you all know that I'm not really a romantic person but the idea of being "one half of a whole" drives me crazy. It drives me crazy because it means that on your own, you're not a whole person. That's almost like saying that the things you do, all of your interests, quirks and everything that makes you who you are, are irrelevant if you're not with someone else. I don't know about the rest of you, but I take pride in being an individual. I'm proud that I have different interests and opinions that make me who I am. Maybe it comes from my many years of experience being single but I don't think people should define themselves through other people. Unfortunately, sayings like this are grossly overused in the dating world.

It would be bad enough if people were just CALLED "someone's other half" but it's an all too common occurrence for them to act like it too. People in new relationships (and even some long term relationships) have a habit of making every situation about their significant other. Sometimes you can't talk about anything with them without having the conversation directed towards their "bae" in almost no time at all. I'm sorry, but if you manage to turn any conversation to you and your latest obsession there's a problem. I mean, I'm obsessed with cake but I sure as hell am not trying to turn our conversation about our school assignment into a story about this cake that I ate the other day. Yes, there are many situations in which your funny date stories would be enjoyed but know where to draw the line.

Conversations with one member of this couple can be annoying but spending time with the complete pair brings awkward to a whole new level. First, there's barely a moment when they aren't physically connected to each other. This could mean snuggling up close, holding hands, sitting on each other's laps or just plain making out. Top it all off with them constantly looking intently into each other's eyes and you've got a situation that any third wheel would rather avoid. Don't get me wrong, it's fine if you do that sometimes. You guys are together and you don't need to hide your relationship. My problem comes in when this dynamic is a constant.

In the end, it comes down to judging your surroundings. Are you by yourselves? Go nuts. Are you at a party? You do you (although be prepared for people to stare at and or talk about you). Are you with a third wheel? It might be better to tone down the couple action or risk alienating the one friend that's still hanging out with you despite your obvious case of RCS.

Once you're an expert at being together, you also have to work on being apart. Sure, spending time with your significant other is fun. Yes, it's natural to want to spend lots of time with them. But again, it's about balance. You remember those people you hung out with before you started dating? Those people called friends? They don't just disappear when your dating life picks up. Sometimes they'll want to make plans and do something and I beg you to fight the urge to invite your boyfriend or girlfriend along. It won't kill you to spend some time apart, in fact, distance makes the heart grow fonder (or whatever that old saying is).

That being said, you also shouldn't just use your friends to fill in the empty periods of time when your significant other is busy living their life. Every once in a while you should make the effort to set aside some time for your friends in advance and not as a last resort. Trust me, a little effort goes a long way towards showing people that you haven't forgotten that they exist.

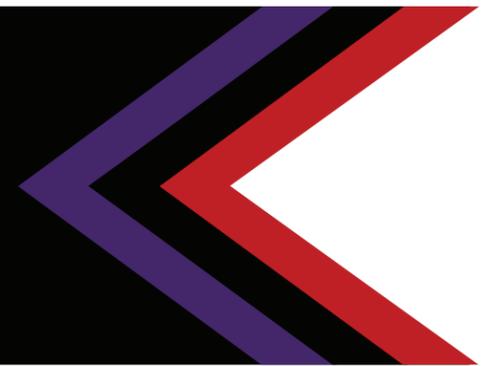
That's the thing about defining yourself through a relationship. You don't know how to act without it. Sure, good couples are good together but great couples also know how to be apart. You can't spend every moment away from your significant other counting down the seconds until you're reunited because life won't wait for you to realise that you're separate entities. Maybe the only cure for relationship codependence syndrome is to take a long, hard look at how you acted when you were single and try to find the middle ground between full hermit and crazy in love.



SEE MATERIAL SAFETY DATA SHEET FOR PRODUCT
VOIR FICHE SIGALETIQUE

ABC Company
Anytown, Ontario Telephone 123-4567

COLUMNS



You can tell by the deadness in my eyes...

STAYIN' ALIVE



(In Engineering)
Original by the BeeGees
Lyrics by Gabriel Wong

- MECH III -

Well you can tell by the way I write my labs
 I'm an engineer, no time to talk
 Using math to draw designs
 'Been solving things since I was born
 Made LEGO, built a bridge
 Solved the heat flow through a fridge
 Oh we can try to understand
 An engineer's effect on man

Whether you're in classes or pulling an all-nighter
 You're stayin' alive, stayin' alive
 Do all your assignments and finish all your labs
 Before you run outta time, run outta time
 Ah, ha, ha, ha, stayin' alive, stayin' alive
 Ah, ha, ha, ha, stayin' alive
 (ENGINEERS!)

Well now, finals are here and I start to fear
 Grab a tissue box, about to tear
 Gotta pass exams to pass the course
 And if I fail, I'll get kicked out
 But Solids, Fourier, I can't live another day
 Oh we can try to understand
 The Lagrangier's effect on man

Whether you're in classes or pulling an all-nighter
 You're stayin' alive, stayin' alive
 Do all your assignments and finish all your labs
 Before you run outta time, run outta time
 Ah, ha, ha, ha, stayin' alive, stayin' alive
 Ah, ha, ha, ha, stayin' alive
 (MATH!)

I can't stop crying, somebody help me
 Somebody help me yeah
 I can't stop crying, somebody help me yeah

Well you can tell by the way I write my labs
 I'm an engineer, no time to talk
 Using math to draw designs
 'Been solving things since I was born
 Made LEGO, built a bridge
 Solved the heat flow through a fridge
 Oh we can try to understand
 The MATLAB Code's effect on man

Whether you're in classes or pulling an all-nighter
 You're stayin' alive, stayin' alive
 Do all your assignments and finish all your labs
 Before you run outta time, run outta time
 Ah, ha, ha, ha, stayin' alive, stayin' alive
 Ah, ha, ha, ha, stayin' alive

(Engineers!)

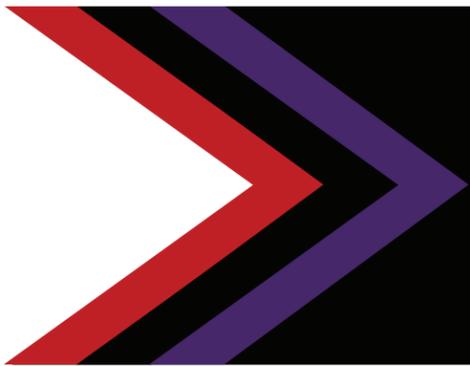
I can't stop crammin', somebody help me
 Somebody help me yeah
 I can't stop crammin', somebody help me yeah
 (I'm stayin' alive!)

I can't stop crying, somebody help me
 Somebody help me yeah
 I can't stop crying, somebody help me yeah
 (Ah!)

I can't stop crammin', somebody help me yeah
 (I'm stayin' alive)

I can't stop crying, somebody help me yeah

... I'm an engineer, my happiness is lies



REPORTS

For all you first years who don't know what to do with all you free time



Guide to Ottawa Winter Edition



Victor Krupka
- AERO I -

Freezing cold and enough snow to hide a car... So might as well use this to your advantage! I've lived in Ottawa for almost all 18 years of my life and I'd like to say I have explored this city fairly well. This is my guide to things to do this winter season in the national capital region.

The Canal

The most notable winter activity is easily skating (for free) on THE WORLDS LARGEST SKATING RINK. For those who do not know, the Rideau Canal that runs right through the heart of this city is maintained for much of the winter season as a skating rink. Lucky for us, it starts by the locks where the EngFrosh boat race ended (right by campus). Tie up those skates and get ready to embark on a 7.8 km adventure to down-

town. The canal is sprinkled with not only blood from the fallen but also beavertail kiosks and maple taffy stands, YUM! (*DISCLAIMER* the ice gets very bumpy over time, it is not advised to learn how to skate on the canal). All in all, the canal is a great and unique experience you shouldn't miss out on, during Winterlude it becomes even better!

Winterlude

From January 29 to February 15 (IT IS ON NOW, GO GO GO!) a winter festival known as Winterlude takes place in the capital region. There are world class ice sculptures and concerts in Confederation Park! The park is located downtown, it is one of the last stops on the skate way



before it ends. In addition, if you feel like brushing up on your French you can make a short trip over the bridge to Jacques-Cartier Park where they have GIANT ICE SLIDES and snow sculptures! To be honest, Jacques-Cartier Park is mostly geared toward children but that doesn't mean they won't stop you from sliding down an ice slide.

Learn more at ottawatourism.ca/ottawa-insider/winterlude/

Free Skating Rinks

Brewer Park, right across from campus, has a speed skating rink and two hockey rinks. It is located just on the other side of Bronson road! The Rink of Dreams is located in front of city hall down-



REPORTS

And for the upper years who have never actually done anything outside of school



town right next to the canal. It offers ice smoother than Professor Saari's jokes. It is essentially an ice hockey rink that is outdoors, it is maintained very well, and even a novice should have a good time there.

Lansdowne Park has an outdoor skating rink on its east side closest to the canal. For those who don't know where Lansdowne Park is, it's where the Panda game was. The rink is well maintained, has shopping, a movie theatre and the stadium right next to it!

Skiing

Downhill or cross country, the region has got you cov-

ered!

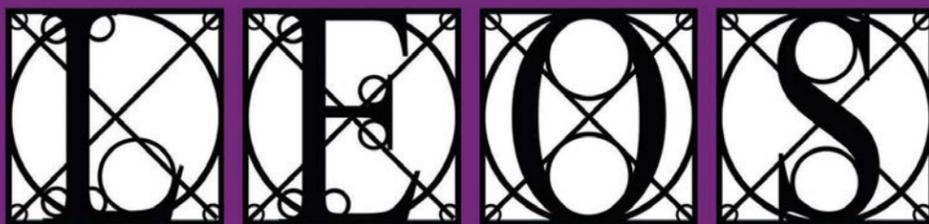
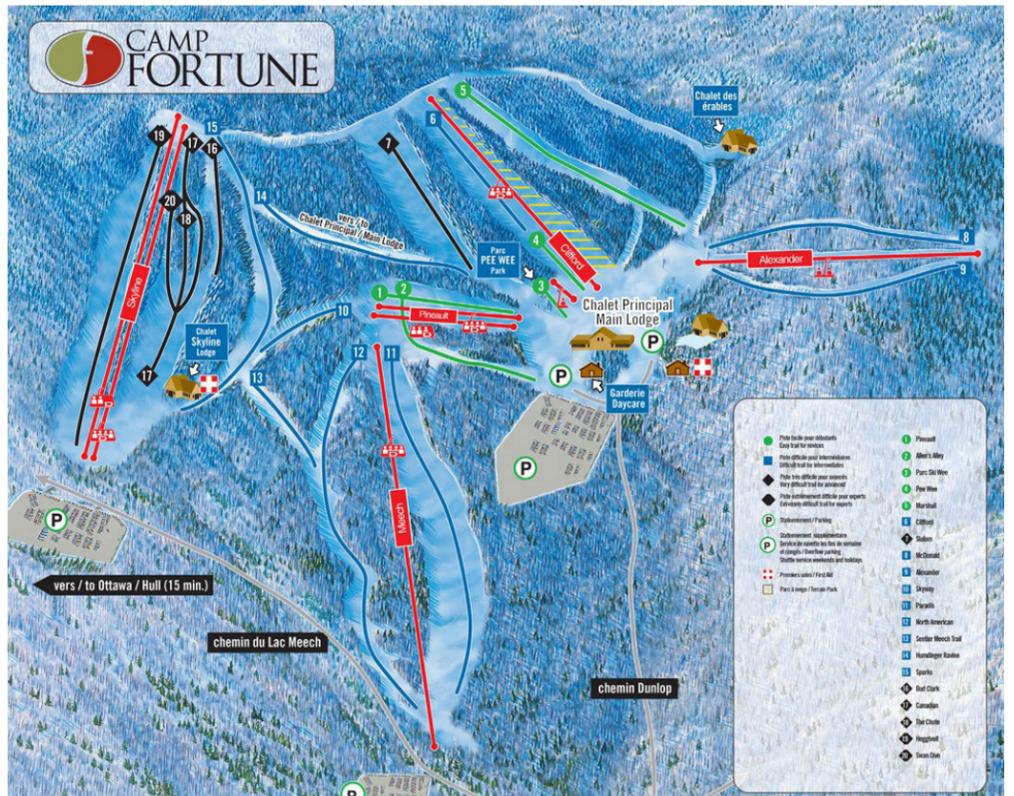
Cross country skiing is dirt cheap at Mooney's bay (very close to Carleton), only 3\$ a day for 5km of track! Pinhey Forest Trail is a free cross country skiing trail next to the Nepean sportsplex, the 95 bus goes very close to it. Gatineau Park is has over 200km of trails that are nice and hilly (unlike Ontario), STO buses go to P1 and P2, the cost for a student day pass is only 11\$ (wa wa we wa, what a deal).

As much as it pains me to say this, Ottawa does not get the trophy for best skiing in the region, Gatineau wins by a landslide. Edelweiss is arguably the best downhill ski hill in the region, however a day pass will set a student back around 34\$ plus tax (it burns, ahhh it burns). Camp Fortune is much closer than Edelweiss and is a great bang for your buck, 30\$ for a day pass, 25\$ for a night pass. BUT WAIT, there's more, they have

2 for 1 deals on Tuesdays after 4pm, and Saturdays after 4pm! It only costs \$12.50 per person to ski for 6 hours! There are many trails for all skill levels at Camp Fortune and I strongly suggest you check it out! Vorlage and Mont Cascades are two other ski hills, a little cheaper, less modern and are more for beginners. The downside for all ski hills is getting there as there is no public transit. I suggest joining the Carleton

ski club on Facebook, people post car pools in there. In conclusion...

Yes I realize almost all of what I said requires some level of winter sporting abilities, but hey, why not give it a try, who knows, it might become your new favourite hobby. At the end of the day, if you just want to stay indoors and drink hot chocolate (or other substances) no one will judge you.



[CANTEEN & LOUNGE]

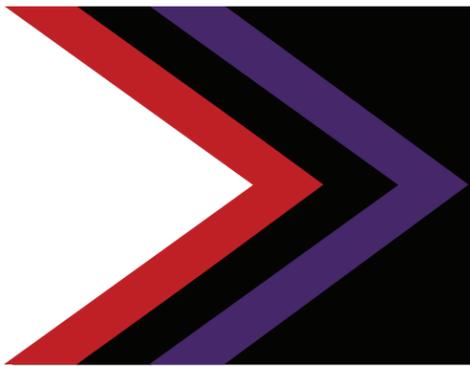
Cheapest food on campus

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

Or you can just stay on res, never leave res, res forever!

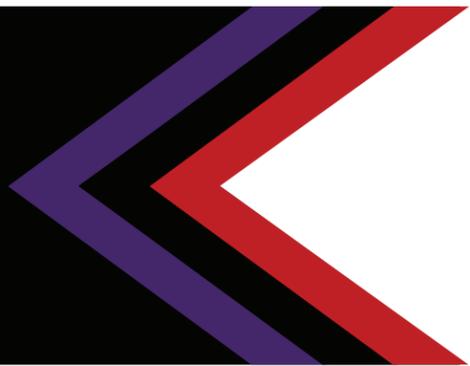


GALLERY

So many engineering selfies!



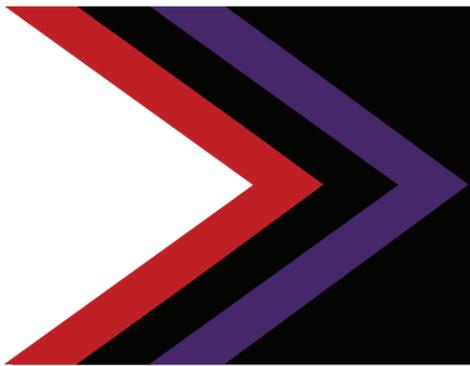
GALLERY



Because what says Christmas like a recorder



Must be because exams had not started yet



COLUMNS

If only I were a film studies student



Rebecca "Swallow" Feddema
- Arch Eng III -

Movie Mayhem

Since the release of the first Iron Man movie in 2008 there has been an ever increasing hype surrounding the release of Marvel movies. The perfect blend of sass, wit, and action has created quite the addictive cocktail of movie magic, with every geek waiting desperately for their next fix. Luckily for us Marvel released an extensive schedule for the release of the next 30 movies going all the way to 2020 and beyond. And if you are like me you are a slave to the Marvel corporation. No matter what they produce, no matter the quality of the movie or the ratings it gets, if Marvel makes it I will watch it. And just look at the line up we have, most note worthy being:

DEADPOOL

- February 12, 2016 -

And we couldn't have started the year off better! Deadpool sounds like my kind of movie, my kind of comic book char-

acter even. The amount of sass that comes out of that one character is enough to quench the sass thirst of a thousand preteen girls, or you Iron man for four movies.

WONDER WOMAN

- June 23, 2017 -

And it only takes them another year to come out with a Marvel movie starring a female superhero! Here's hoping that her movie does her justice and opens the floodgates for an increase in female leads and heroines! (I mean if the new Star Wars movie can star a female that Marvel can step up their game as well)

THE FLASH

- March 23, 2018 -

Finally, we won't have to survive on TV series alone! (though Arrow and The Flash are great series) But really Marvel has a pile of resources and ideas to use. First they can warm us up with series and sneak peaks, and then they can go through the list and give us a feature film

for every hero (while of course giving cameos to the heroes whose films are coming up next). It's the perfect scheme! And I for one can't wait for the Flash to get his movie (always loved him as a character).

AQUAMAN

- July 27, 2018 -

And we all know this is the most highly anticipated movie of them all. I mean who didn't love Aquaman growing up? ... What no? Sure Aquaman hasn't historically had the best rap, but he is still a pretty great hero and hopefully his movie does him justice. Though we know we are all going to go see it anyway.

Maybe it's the little sneak peaks we get at the

end of the credits, maybe it's the sassy characters and their witty banter, maybe it's just the variety of heroes to fall in love with. Growing up I can remember the Saturday morning Batman and Superman cartoons, and there were even a few at-



REPORTS

As long as they give her pants when they finally make the movie i'm happy



tempts at Fantastic Four and Green Lantern movies but they can't compare to the movies we have to look forward to. Fantastic Four has never been able to get a good hit at the box office, and the Green Lantern flop was a crying shame, but were these stories really so different from the ones that are winning our affections now-a-days? I mean it really was a feat of genius that got this whole obsession started. Iron Man was not a particularly well know or well loved character. I remember seeing him on the animated Avengers cartoons on the weekends, but he was not as popular as Batman and Teen Titans and Young Justice. I'm sure he had his own fandom, but he didn't have half the following of Batman, or Superman. Yet the Superman movies, that have been remade over and over again, haven't seen nearly the success that Marvel has been raking in. And don't get me wrong, the Batman movies are awesome, and they do pretty good in the box office every time they are remade, but do they really compare to the Avengers, or Guardians of the Galaxy (admit

it, you listened to the Awesome Music playlist from Guardians as soon as you saw the movie). Somehow Marvel has cracked the formula, they have us right where they want us, hanging on their every word, desperately waiting for the next release.

This is all well and good for Marvel, but I think there is more to learn from here. I think we should really be investing our research into getting the same high ratings and success in our finals, or at least our lab reports (I mean its worth a shot right? As long as it doesn't take as long to figure out as it did for Marvel). Maybe adding a bit of sarcasm and action to our reports is what we have been missing this whole time. I'm sure professors and TA's get tired of reading the same thing over and over again in marking so adding a little flare should be all we need. So if one of you wants to try this theory out that would be peachy (I would myself, but I kinda can't risk the grades).



COMICS ALLIANCE

SUPERMOVIES

PRESENTS

THIS IS WHAT THE NEXT FEW YEARS OF YOUR LIFE LOOKS LIKE.

2014

2015

2016



NOV 7
BIG HERO 6
DISNEY



MAY 1
AVENGERS: AGE OF ULTRON
MARVEL



JULY 17
ANT-MAN
MARVEL



AUG 7
FANTASTIC FOUR
FOX



FEB 12
DEADPOOL
FOX



MARCH 25
BATMAN V. SUPERMAN:
DAWN OF JUSTICE
WARNER BROS.



MAY 6
CAPTAIN AMERICA:
CIVIL WAR
MARVEL



MAY 27
X-MEN: APOCALYPSE
FOX



AUG 5
SUICIDE SQUAD
WARNER BROS

2017



NOV 4
DR. STRANGE
MARVEL



NOV 11
SINISTER SIX
SONY COLUMBIA



MARCH 3
WOLVERINE 3
FOX



MAY 5
GUARDIANS OF
THE GALAXY 2
MARVEL



JUNE 23
WONDER WOMAN
WARNER BROS



JULY 14
FANTASTIC FOUR 2
FOX



JULY 28
THOR: RAGNAROK
MARVEL

2018



NOV 3
BLACK PANTHER
MARVEL



NOV 17
JUSTICE LEAGUE
WARNER BROS



UNKNOWN DATE
FEMALE LEAD
SPIDER-MAN SPIN-OFF
SONY COLUMBIA



UNKNOWN DATE
VENOM: CARNAGE
SONY COLUMBIA



UNKNOWN DATE
LEGO BATMAN
WARNER BROS



MARCH 23
THE FLASH
WARNER BROS



MAY 4
AVENGERS:
INFINITY WAR 1
MARVEL



JULY 6
CAPTAIN MARVEL
MARVEL



JULY 13
UNKNOWN
X-MEN MOVIE
FOX

2019

2020



JULY 27
AQUAMAN
WARNER BROS



NOV 2
INHUMANS
MARVEL



UNKNOWN DATE
AMAZING SPIDER-MAN 3
SONY COLUMBIA



APRIL 5
SHAZAM
WARNER BROS



MAY 3
AVENGERS:
INFINITY WAR 2
MARVEL



JUNE 14
JUSTICE LEAGUE 2
WARNER BROS



APRIL 3
CYBORG
WARNER BROS



JUNE 19
GREEN LANTERN
WARNER BROS

YEAR UNKNOWN



X-FORCE
FOX



GAMBIT
FOX

SANDMAN

SANDMAN
WARNER BROS



JUSTICE LEAGUE DARK
WARNER BROS



UNTITLED SUPERMAN MOVIE
WARNER BROS



UNTITLED BATMAN MOVIE
WARNER BROS

NOTES

ALL DATES AND INFORMATION SUBJECT TO CHANGE. FOX AND SONY COLUMBIA HAVE NOT ANNOUNCED ANY DATES PAST 2018. VISIT COMICSALLIANCE.COM FOR UPDATES AND NEWS. [UPDATED OCTOBER 28, 2014]



CARLETON STUDENT ENGINEERING SOCIETY



Alexander's Office
2090 Minto Case



/MyCSES



www.cses.carleton.ca

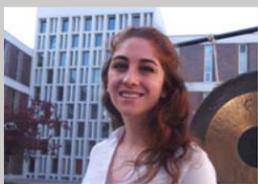


@MyCSES

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

"Welcome back, C-Eng! I hope you had a relaxing break and are ready to take on the winter term. To get back in the swing of things, come on out to our Winter General Meeting on January 20th to find out what CSES has been up to for the past few months since FGM (free pizza!). Also, make sure to wish our OEC delegates good luck as they head to Waterloo to compete in the provincial engineering competition! Lastly, keep an eye out for information on our fee referendum happening later in the term."



VP Social
Erin Hemm

"Hey C-Eng, hope you had a great holiday break and were able to catch up on the sleep you were deprived of during exams. Don't forget to sign up for one of our Engineering Intramural teams this semester and keep your eyes peeled for another Trivia night!"



VP Finance
Justine Godin

"As always little is exciting on the finance front. Applications for the winter portion of Student Group Funding opened on January 8th and close on February 7th. 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

"Happy 2016, C-Eng! There's a lot going on this month in the Internal portfolio! For one, the eNewsletter is back! Subscribe online! Our Winter General Meeting (WGM) will be on the 20th for updates on our progress, with Elections starting soon after that! Get in touch if you want more info!"



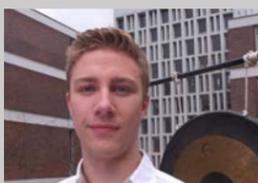
VP Publications
Ryan Waddell

"Hey C-Eng, hope everyone had a fantastic break, and some relaxing holidays! Keep looking out for some new SWAG SWAG SWAG!!!"



VP Services
Michael Lanning

"I hope everybody had a restful break, and a good exam period! Sweaters are 90% collected, and no issues as of yet! The next batch of engswag will be arriving mid-late January, and FIT Shirts will be some of it! The textbook trade for second semester runs from Wednesday January 6th until January 29th, and then the collection deadline for outstanding books and money in the trade ends February 12th. Have a great semester, and keep warm!"



VP External
Sasha Christie

"Hey CSES! This January began with the University of Calgary hosting CFES' 48th annual congress conference. At this conference a variety of student concerns and issues were brought forward and discussed. A new officer team was elected and is known looking forward to tackle these issues on our behalf. I am proud to announce that two of CSES' very own members were elected onto this officer team. I would like to offer my personal congratulations to Julia Dalphy who is now a national councillor and Lucas Brewster who is now the VP of Finance and Administration. I am now looking forward to February, where Ryerson will host ESSCO's annual First Year Integration Conference! Best of luck to everyone with the new semester!"



VP Academic
Ben Vine

"Hello beautiful engineers! I hope you all had a long and relaxing break and that your second semester is starting off with a bang. I will be having a graphic design workshop in the near future, so if you are interested please come check it out. National Engineering Week is creeping up on us, so if you have any ideas for it, please feel from to contact me. I will also be organizing other academic workshops so stay tuned for me!"

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 Sudokus can get boring

Find the Pokemon

Find the Pokemon names based on the pictures, names can be found on the bottom of the next page



E M S N O R L A X S

E E R B N M T R T U

R T M E I M R A T S



F A N U X C R K F H

R P I N K Y E T U T

E O U M U G T O P W



T D Z U B A T L J O

T B L A S T O I S E

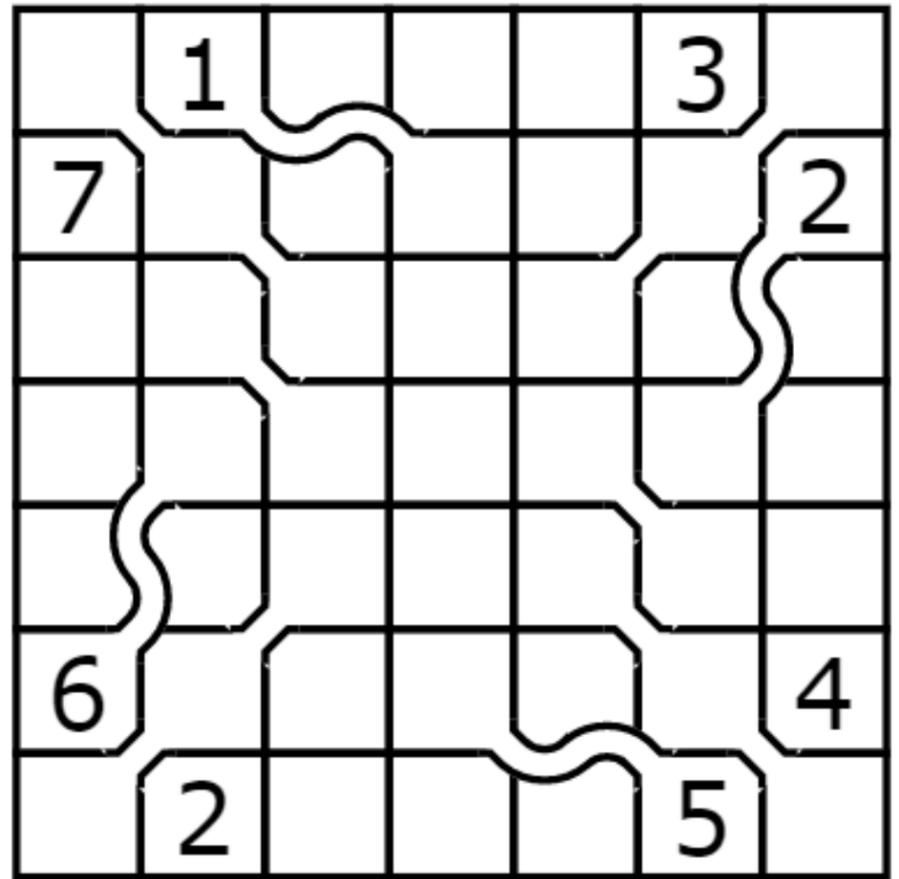
U F J L U O T Y D M



B V P I K A C H U J



Staircase Puzzle



Complete the grid such that every row and column contains the digits 1 to 7.

All squares that are connected contain the same digit.

Horoscopes



Aries

YOUR NEWS YEAR'S RESOLUTION OF GOING OUTSIDE MORE RESULTS IN FROSTBITTEN FINGERS AND THE AMPUTATION OF YOUR LEFT FOOT



Taurus

BEWARE THE UPCOMING CHANGES IN NEW SEMESTER, HOPEFULLY IT WILL ONLY TAKE YOU A MONTH TO REMEMBER WHERE YOUR CLASSES ARE THIS TIME



Gemini

HURRAY YOU FINISHED A SEMESTER! NOW FOR THE CLASSES THAT ARE ACTUALLY UNIVERSITY LEVEL AND NOT JUST REVIEW



Cancer

ALL THOSE CHEAP CHRISTMAS LIGHTS WILL BE A PERFECT REPLACEMENT FOR THE LIGHTS IN YOUR HOUSE. THOUGH THIS WILL CAUSE PEOPLE TO QUESTION YOUR MATURITY MORE



Leo

AND NOW THE COUNTDOWN TO VALENTINES DAY, BETTER START LOOKING FOR A DATE NOW



Virgo

A RESOLUTION OF BEING HEALTHIER MIGHT NOT BE THE BEST THING TO FOCUS ON AFTER LAST SEMESTER'S GRADES



Libra

MAYBE YOU SHOULD HAVE SIGNED UP FOR ONE OF THOSE BUY ONE GET ONE HALF OFF YOGA CLASSES. OH WELL, TOO LATE NOW



Scorpio

UNFORTUNATELY, YOU MIGHT HAVE TO START ACTUALLY TAKING NOTES THIS SEMESTER, APPARENTLY NOTES HELP YOU LEARN OR SOMETHING.



Sagittarius

YOU HAVE THE PERFECT PLAN TO ACE ALL OF YOUR CLASSES THIS SEMESTER. TOO BAD YOU DIDN'T ACCOUNT FOR THE ENDLESS HOURS YOU'LL SPEND LOOKING FOR A CO-OP JOB



Capricorn

APPARENTLY FOUR HOURS OF BINGE STUDYING IS NOT ENOUGH TO ACE EXAMS, MAYBE FIVE HOURS WILL CUT IT



Aquarius

RESOLVING TO IMPROVE YOUR SOCIAL LIFE SOUNDS GREAT NOW, JUST WAIT UNTIL MIDTERMS



Pisces

YOU HAVE BECOME AN EXPERT AT CALCULATING THE BARE MINIMUM FOR REGAINING YOUR SCHOLARSHIP. YOU CAN GET A 13 CGPA IN A SEMESTER, RIGHT?

CENTRAL

Do not let the engineer near your savings account

Calvin and Hobbes
Bill Watterson



HELLO, CALVIN SPEAKING. I'D LIKE TO ORDER A LARGE ANCHOVY PIZZA.



YOU'RE PROBABLY FINE

He's not. But you are.



Kylo and Darth



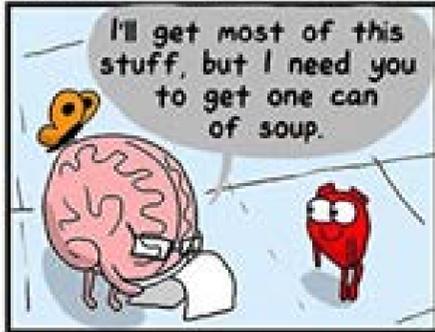
REY and BB-8



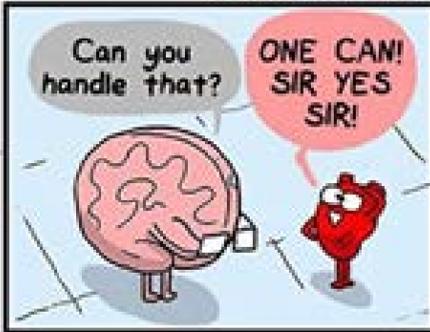
POE and FINN



Heart and Brain



I'll get most of this stuff, but I need you to get one can of soup.

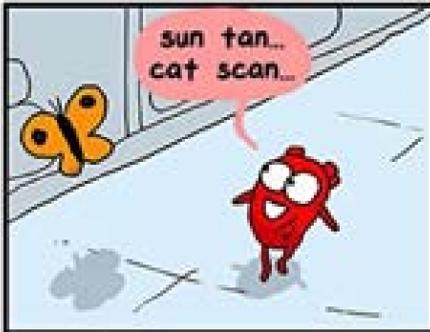


Can you handle that?

ONE CAN! SIR YES SIR!



One can... toucan...



sun tan... cat scan...



Space Jam... batman...



you had ONE job.

Gotham needs me.



BEAR! EVERYONE PLAY DEAD!

ACK!

OOF!

UGH! BEAR! BEAR, COME CLOSER.

BEAR, I DON'T HAVE MUCH TIME.

TELL MAMA I LOVE HER...

UGH..



Oh hey! A super important email. I should respond...



LATER



Two weeks later:

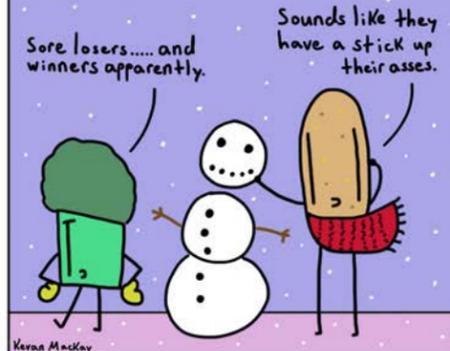
Did you ever get to that Jemail?

NOPE.



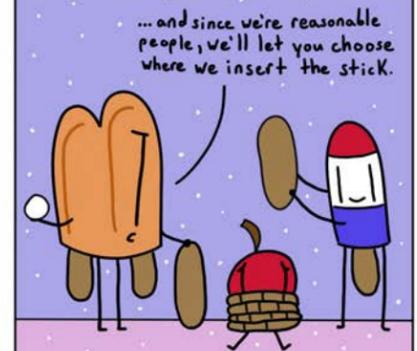
Weren't you supposed to have a team snow ball fight with Charlie?

I was, but then I ditched when I found out who we were facing.



Sore losers..... and winners apparently.

Sounds like they have a stick up their asses.



...and since we're reasonable people, we'll let you choose where we insert the stick.

Find the Pokemon Word search names:

MEOWTH PIKACHU BLASTOISE SNORLAX
ONIX ZUBAT STARYU BUTTERFREE MUK STARMIE
METAPOD

As long as it's not an email about graduating, you're good

LAST CALL

Bask in the glory

Hometown: Mississauga ON
C-ENG Involvement: GNCTR 2012-2016,
Engfrosh 2013-2015, CSES Councillor 2014-2016
Favourite Supervillain: Flightsuit Committee

If you could eat only one food for the rest of your life what would you chose: Spinach Dip

Describe yourself in three words: Skinny-Jon's an asshole

If you were trapped in an elevator who would you choose to be trapped with: Don't ride in elevators with UofT and you wont get stuck

If you were an ice cream flavour, what would you be:
Chocolate chip cookie dough – kind of generic with hidden gems of awesome

If you were granted three wishes what would they be:

1) win the lottery 2) Cottage 3) Jet ski

Would you rather be able to fly or breathe underwater:

Fly, earth may be 2/3 water but it's all air on top

Steel, concrete, or wood: Printed Circuit Board

Favourite thing about CENG: The engineering community, everyone goes out of their way to help everyone else get through the 4-7 years of hell. Honestly without the C-ENG community I don't think I would have made it through.

The Iron Man Jonathan "Dirty Water" Lewis - ELEC V -



Hometown: Fergus, Ontario
C-ENG Involvement: Engfrosh Facilitator (2013-2014), Engfrosh Head and Sponsorship Director (2015), CUESEF Board Member 2015-2016, CSCE VP Social 2014-2016, Team Carleton GNCTR 2015 Sponsorship Sub-Captain, Team Carleton GNCTR 2016 Co-Captain.

Describe yourself in three words: Quirky, Caring, Wild

Favourite Supervillain: Darth Vader

If you could eat only one food for the rest of your life what would you chose: This would never happen. Ever. Or I would die.

If you were trapped in an elevator who would you choose to be trapped with: **Disclaimer, this happened last night** I was trapped in an elevator between floor 6 and 7 with 4/30 of UofT's GNCTR team, a drunk Michael Lanning and a whole LOT of ragret. This is my nightmare. We called the help line and it wouldn't connect us so we pried two sets of doors open and crawl through to jump 5 feet to safety. And then we ran away.... THE END.

If you were an ice cream flavour, what would you be: Kawartha Dairy Moose Tracks

If you were granted three wishes what would they be:
I would like to have peace on earth. I would like to have a rare steak with garlic mashed potatoes in my body immediately. I would like to get my iron ring one day

Would you rather be able to fly or breathe underwater:

Fly - underwater

Steel, concrete, or wood: WOOD. Hard wood. GLULAM. HEAVY TIMBER. HEAVY BREATHING. CLT. LVL.

Favourite thing about CENG: GNCTR & ENGFROSH

USES for the CHARLATAN

- > Crumple up and place in your soaking wet shoes to dry them up
- > Also good at soaking up the tears you shed when finally receiving your final grades
- > Use as kindling for the fire you use to burn last semester's notes
- > Fill all the gaps in your windowsill to cut down on the drafts, works outside of res too!
- > Shred and add to your food as a cheap filler, who needs nutrition anyway
- > Use as knee pads for all the begging for jobs you will be doing, co-op is coming soon!
- > Chinchilla bedding!
- > Extract the ink to refill your pens, it's getting harder and harder to steal new ones
- > Craft a sled to pull your heavy backpack with
- > You could read it

The Iron Lady Arlin "Simba" Otto - ARCH ENG IV -



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:

- desperately waiting for content
- ignoring the holidays for a week
- a long game of email tag
- a ton of filler comics
- AND only 49 google searches

Apologies:

Our new years resolution is to apologize more, starting next issue



YOU'RE GOING TO LOVE IT WHEN WE'RE BACK IN FEBRUARY