



## "A PAINTING OF A CANADA GOOSE WEARING A CROWN IN FALL"

The Avant-Garde Stream-of-Consciousness laourey engineering student paper - Approved by Lourieh Enggenering

WANT TO CONTRIBUTE?  
SHARE YOUR DEEPEST,  
DARKEST SECRETS AND  
MEMES AT

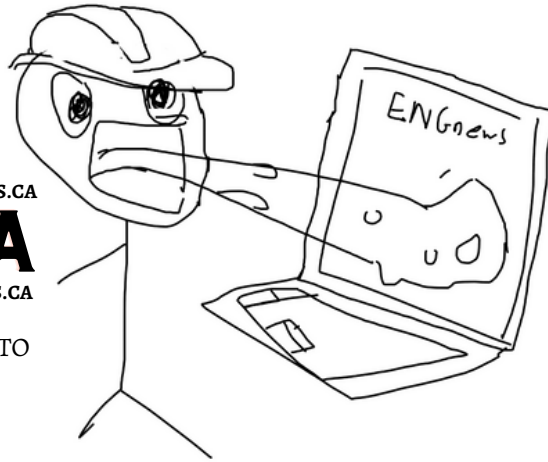
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Thank you for your patience. WELCOME BACK TO

**ENGnews**

So sorry for the wait, we missed you dearly.

You:



## WATER DISPENSER

In the office sits a water dispenser,  
With two buttons you can press.  
One to make the water hotter,  
and the other to make it colder.

But the cold water is much too cold,  
And the hot water much too hot.  
Such a simple thing I wanted,  
Yet causing so much stress.

Both buttons I have to press,  
And more entropy created;  
Redundant energy squandered,  
Just for some  
Room-temperated water.

>:(

## METHODS OF TRANSPORTATION: RANKED

Train > Plane > Boat > Car > Motorcycle >  
Helicopter > Boos

CHICO

## TO ALL THOSE WHO DON'T DEBURR THEIR TUBE ENDS AFTER CUTTING

AN EXCERPT FROM MARCUS AURELIUS' "MEDITATIONS"

Have you any honour in the work you do, or any conscience in the life you lead? Have you any heart in delicate details, any respect for proper practices?

"But it requires extra time and effort which I have none to spare."

Perhaps you also have no extra time nor effort to spare for brushing your teeth everyday; Perhaps you are also too busy and too tired to cut your nails; Perhaps you also have no time to wash your hair after your haircuts.

"But it doesn't matter. The connection will still seal."

Tell me, what do you expect will eventually happen to a carefully designed machine but whose every part is machined just a thou out of tolerance? What do you ultimately expect from a team whose members are undisciplined with proper standards and apathetic towards small details?

You underestimate the compounding power of microscopic complacency. Nothing else can take on the responsibilities shouldered by disciplined quality exercised at the lowest level of a system.

YOUR HUMBLE, LOCAL SWAGELOKER

## I WOULD LIKE TO ORDER A 1" PIPE—

You just referenced something as a pipe. In case you didn't know, we do not use pipes in this club, we use tubes. The term "pipe" is too low-class to be used in this establishment. Is it the same concept? Yes. No one's arguing that, but the manner in which they are used is vastly different. Tubes are for real engineers: engineers who know what they want. Engineers that expect more from their fluid transportation apparatus. If you go to McMaster-Carr and ask for a 4" pipe, they will hand you a pipe 4.5" in diameter before spitting at your feet in disgust. Shopping for a tube is like shopping for a fine wine. You have precision tolerances in a variety of shapes and sizes, fitting your exact needs and specifications. Each and every dimension replicates the true form. You will be pampered with the finest bread and olive oil, and you will leave with an immutable feeling of integrity. You have made the right choice. You have chosen tube.

**GOD'S STRONGEST SWAGER**

## SOME OF MY BEST MEALS TO DATE

A LIST

- **Parallel, Toronto, Canada.** Best middle eastern food I've ever had. The hummus and tahini are exceptional. Great company. Awesome owners, shoutout Ozery.
- **Cervejaria Ramiro, Lisboa, Portugal.** Best seafood I've eaten. Fantastic service. Anthony Bourdain liked this place. Expensive but well worth it.
- **Rosenstein, Budapest, Hungary.** Best game stew I've eaten. Goulash and schnitzel were top notch as well. Server was very helpful and fast. It's a high end place, but reasonably priced. A long list of famous Hollywood actors have eaten there. Timothée Chalamet, Mark Ruffalo, Willem Dafoe, Robert De Niro, Stellan Skarsgård to name a few.
- **King St. McDonalds, Waterloo, Canada.** I was quoted as saying it was "the best fucking food I've ever had in my entire life" of which 3 others agreed. It was 3am and we were all drunk. (See "The 4 Pillars of a Great Meal").

KOLSRUD

## NOW YOU CITIZENS OF BOSTON

**DON'T YOU THINK ITS A SCANDAL**

How the people have to pay and pay?

Fight the fare increase!

Vote for George O'Brien

**GET POOR CHARLIE OFF THE MTA**

## WELCOME TO THE JUNGLE

"Oh my god

Jump

Welcome to the jungle, we've got fun and games  
We got everything you want honey, we know the names

We are the people that can find whatever you may need

If you got the money, honey, we got your disease

In the jungle, welcome to the jungle  
Watch it bring you to your sha-n-n-n-n-n-n-n-n  
knees, knees

Mwah, I, I wanna watch you bleed

Welcome to the jungle, we take it day by day

If you want it you're gonna bleed but it's the price to pay

And you're a very sexy girl who's very hard to please

You can taste the bright lights but you won't get there for free

In the jungle, welcome to the jungle

Feel my, my, my, my serpentine

Ooh, ah, I want to hear you scream"

**GUNS N' ROSES VIA CYRUS THE GREAT**

## THE POWER OF THE MIND

Here's a quick reminder that your mind is insanely powerful and your mental outlook on a goal can greatly affect your ability to achieve it.

Breaking a 4-minute mile is an incredible accomplishment for any athlete. Leading up to the mid-1900s, people thought it was physically impossible. Decades of attempts had all failed. Then on May 6, 1954, Roger Bannister ran a mile in 3:59.4. Then only 46 days later, John Landy broke Bannister's record. One year later, 3 people broke a 4-minute mile in the same race. It wasn't a physical barrier that Bannister broke, it was a mental one.

When Bannister broke the 4-minute mile, he made every runner in the world believe that they could do the same. I believe that in Landy's case, a simple shift in his mindset unlocked this achievement for him faster than any physical training ever could. Today over 1600 people have run a sub-4-minute mile.

Have you ever been stuck on a homework problem, looked at the answer, and then said to yourself, "Hmm that was actually within my reach. I think I could have solved that"? Real world problems don't have solution manuals, but what if we approached them as if they did? What if we truly believed that we had the ability to come up with that solution in the back of the book all on our own? I think this is also extremely powerful when it comes to our personal goals. I think it's fine if you know someone who has achieved something that you are striving to achieve for yourself (like running a 4-minute mile), and you can use that to motivate yourself. But don't think for a second that you can't achieve something just because no one has ever done it before.

Thanks for coming to my TED talk.

**HAPPY**

## MATHSOC DOESN'T HAVE FORMAL ADVOCACY AND IT'S HANDICAPPING IT'S NEGOTIATING CAPABILITIES.

**FOR MATHEMATICIANS YOU CAN'T SEEM TO GET YOUR METAPHORICAL DUCKS IN A ROW.**

It's fairly obvious that the vast majority of EngNews (capitalised along engineering standards, you false prophets) is written by mathematicians pretending to be engineers, but worse than that, pretending to be SOFTWARES. Fucking gross dude. If you were numbering your editions why would we do it computer-y. I refuse to look it up because it's dumb and doesn't contain enough information. Get better jokes, and measurement accuracy, your crosswords are imprint quality. I'm off to go build trains because science isn't simultaneously throwing us towards the singularity and total police stay. Anyways seems like you're declaring newspaper based war, please reply in IW.

Deuces, go get an ethical standard.

The transit content slaps.

(Front page only :))

**SQRT(CAUSE), VIDICTIVE**

## THE 4 PILLARS OF A GREAT MEAL

**A LIST**

- **The food:** Obviously.
- **The service:** The social skills, speed, and helpfulness of the restaurant workers and chef. It's how you're treated.
- **The environment:** The vibe and atmosphere of where you're eating. It's how things look and feel.
- **How intoxicated you are:** It makes all of the above better.

**KOLSRUD**

## STOP

Yes you! Stop!

Take a sharp breath in through the nose.

Hold it for a few seconds.

Slowly exhale.

Feel these sheets of paper (or your screen).

Move your fingers around.

Life is good.

CONTINUE

## STUDY TIPS (CHAPTER 3)

Welcome back for another study tip! Today I've got a quick and simple one: **ask questions!!!**

Ask lots of questions. Anything you are unsure of, anything you are curious about, just ask. Ask questions in lectures, then go to office hours and ask more questions. Ask until your professors would sprint to their offices after their lectures and lock their doors in panic. If your prof's answers are unsatisfactory, then ask your classmates, ask upper years, ask Google. Just keep asking questions.

I used to be very timid about asking questions, and still am, especially when I'm in a big lecture hall surrounded by a hundred other students, where everyone else's silence always seemed to suggest that they knew what the heck the prof is talking about. But I've learned now that that is literally never the case. Also, even if it turns out to be a dumb question, literally no one will care nor remember it in 3 minutes. Half (if not more) of the people are playing League on their laptops anyways. If you really want to convince yourself, try to remember who asked what questions in the lectures you went to this past week, and if by some chance you do remember any, ask yourself how much you care that that question was asked.

I had a very good friend who once got the opportunity to give a talk at a big school board conference. He decided to talk about the importance of asking questions as the primary form of learning and navigating through life in general: "It's funny because questions are the most basic form of communication – you can't have a conversation without asking questions. So how can students learn without asking questions (and therefore without communicating)?... **We must move away from the idea that inquiring is a weakness. We have to make it ridiculous not to ask questions.**"

When I first heard this talk, I was concerned about the lack of caution against asking questions before fully considering the context and topic at hand. Yes, asking questions is good but I believed that it is also important to exercise critical thinking before asking. However, while I may have been right, I have come to realize in the real world that by doing so you can often miss the opportunity to ask the questions. Also, sometimes it's easy to think too much and forget the question in the first place. In practice, it is much more productive to start building a habit of just asking questions, and by doing so you will slowly start asking consistently thoughtful questions. The key at the beginning, as with any habit, is to just start and make it as simple and as easy as possible.

In all honesty, this talk has had an immense impact on me and has pushed me to ask more questions to everyone around me than I ever would've. And by doing so it has genuinely uplifted my quality of living. I still get nervous asking many insignificant questions even to this day, but I have never forgotten this talk which continues to push me to ask questions and write this study tip today. Though I have since fallen out of touch with that friend, I hope he is doing well and still living out his mantra of asking questions, wherever he may be.

As you can see, I am keeping up my promise of keeping these study tips short and sweet. We are on a good streak and may the next one be even shorter! See you and take care until then.

LARRY

## TOP 10 PROGRAMMING LANGUAGES

#10 – C: It would be higher on this list, but with manual memory management, it becomes tedious to debug various `malloc()` and `free()` statements.

#9 – C: This one is higher on the list because although it doesn't have automated garbage collection, it's still very simple to read and understand. It also has `goto` statements, which can make code unreadable, which is why it isn't higher on the list.

#8 – C: It has some quirks like `goto` and manual memory management, but it's otherwise a good choice for a language. You can write code and immediately know what the hardware is doing. However, it's really weighed down by the tedium of writing copious amounts of code to get things to work, which is why it isn't higher on the list.

#7 – C: Imagine this, you write down code, and you instantaneously know what the hardware is going to do. That's C for you. Of course, the cost is the amount of code you need to write to do common things like string manipulation or memory management.

#6 – C: A cute little language that powers most programmable devices. Where it really excels is its simplicity. You can look at the code, and know right away what the hardware is going to do. However, the tedium in things like string manipulation, memory management, and pointers are the things that stop it from being higher on the list.

#5 – C: This language has a bunch of power behind it. Not only does it have pointers and typedefs, but you can create new types with powerful properties. You can make a struct that can hold multiple primitives at once, unions that let you interpret the same variables in different types, without changing the underlying bits, and enums that let you make words a type. The main thing holding this language back though is the lack of

automatic garbage collection, tedious amounts of code to write, and lacking libraries that do everything for you, which is why it isn't higher on the list.

#4 – C: It has some quirks like `goto` and manual memory management, but it's otherwise a good choice for a language. You can write code and immediately know what the hardware is doing. However, it's really weighed down by the tedium of writing copious amounts of code to get things to work, which is why it isn't higher on the list.

#3 – C:

```
void strcpy(char * strDest, char * strSrc)
{
    while(*strDest++ = *strSrc++);
}
```

Checkmate atheists!

#2 – C: The number 2 slot is C. This language powers almost all of the embedded devices you see. It's the main language used to write operating systems like Linux and the abominations ECE students make in the 350 lab. Overall, the language is simple and you immediately understand what the underlying hardware is doing. However, it's main drawback is the amount of code you need to write to get things to work, which is why it isn't higher on the list.

#1 – C: Of course, you guessed it, C is in first place. Not only does it power almost every embedded device, and operating system, but it powers many high level language as well, like python or haskell. You can do almost anything you want in this language (at the cost of writing more code), and it will run much faster than almost every other language. All this, and absolutely no downsides. There are no design tradeoffs here, it's just the best language.

Closing remarks:

Now you, the reader, have as much knowledge of programming languages as you will ever need in your professional career. You also have the knowledge necessary to pick the best programming language for the job.

**THE NUTMAN**

## TOP-OFF YOUR COFFEE

Due to recent complaints about the customer service at the C&D, the staff is encouraged to work topless. Yes, topless. Beginning Monday, all staff are encouraged to work tits out to create an inclusive environment and attract more engineering students who have never felt the intimate touch of another person. Even though the staff may or may not be topless, the C&D does not encourage making it rain tips on the staff but to place it in the tip jar.

**VAN VANSEN**

## PROFQUOTES

ME 351: CAROLYN REN

“Water is not wet.

MSCI 261: FUAT CAN

“The government says inflation is haram.

“If you don't come to my office hours, I will be sad and make you fail the course.

## BEGIN AGAIN

Failed NNN? That's too bad, but don't let that be the excuse that stops you. Begin again and finish the rest of NNN strong. And why stop at November? Keep going!! Meditation is not about being present all the time but instead about how quick you can shift your focus back to the present after thoughts arise. Success is not about being perfect all the time but instead about how fast you can learn and recover from your mistakes. Consistency in picking yourself back up after falling down trumps over all other types of consistencies. Begin again.

**TURMERIC BEANS**

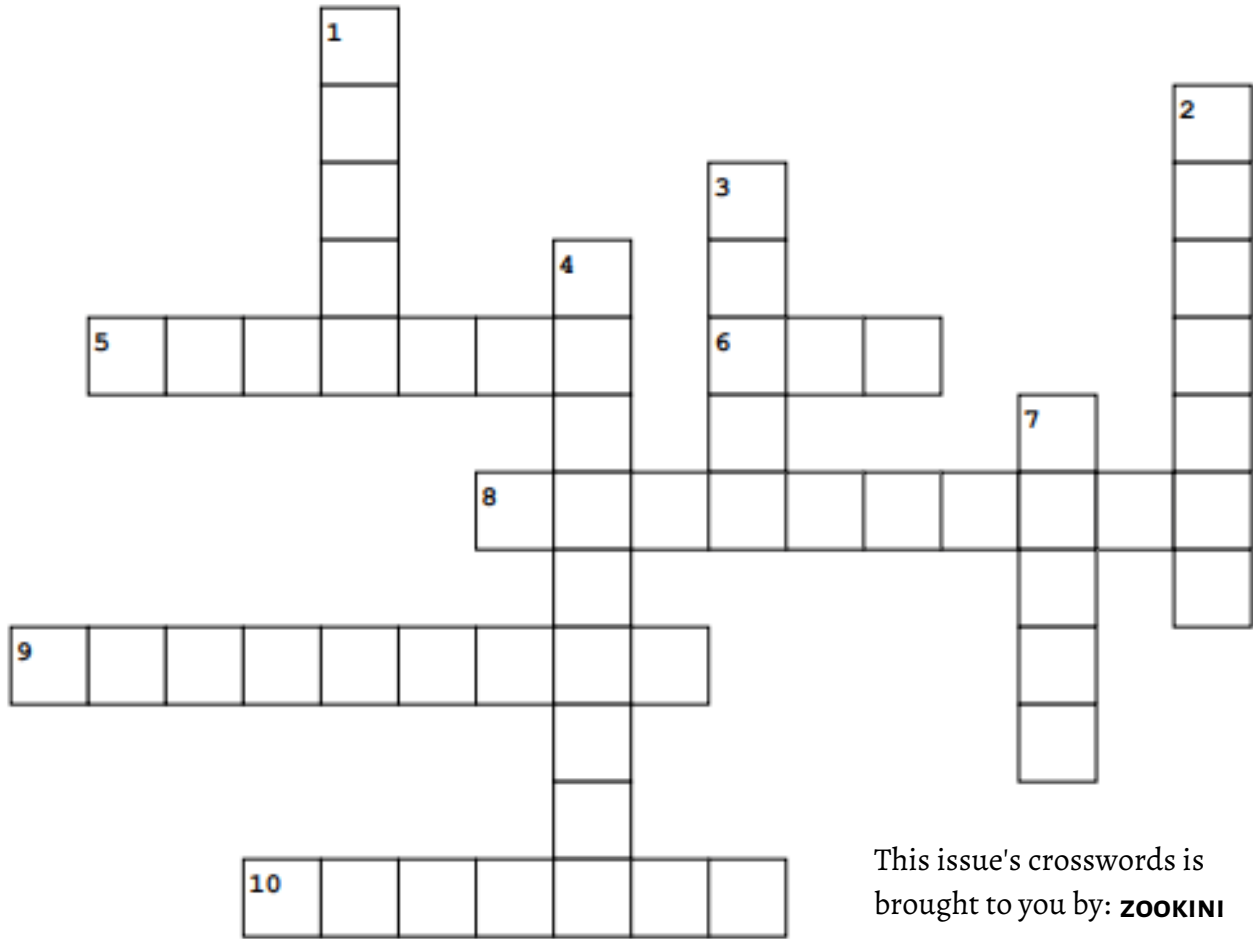
## AUTUMNAL WOES

skeletal branches  
dead leaves  
and that thought of something new  
oh my, but it was snuffed out the next day  
by the creeping frost-a-blue

**OTEKI**

You're finally awake! What? Countable infinities? Dielectrics? Leetcode? Thevenin resistance? What are you talking about? C'mon, we have to go eat bugs and wave sticks





This issue's crosswords is brought to you by: **ZOOKINI**

**Down**

- 1. edgiest formula in physics; does not belong to anyone
- 2. E7 donor renowned for contributing to causes above his line
- 3. less cute variant of the llamas in Waterloo Zoo
- 4. circuit component & colloquial term for bluffing
- 7. me and the gang at

**Across**

- 5. chimera of two local delicacies
- 6. what the water here tastes like
- 8. high-stakes gambit to attain employment in the USA
- 9. popular topping for grass
- 10. technology company & mythic sword

**SOMETHING NEW**

This issue's beautiful cover art is produced by DALL · E and is a true testament to the remarkably effective permeation of artificial intelligence into unexpected areas of our society. If you would like to combat or embrace this permeation, please submit more art that you are passionate about to [engnews.ca](http://engnews.ca) ----->>

Also, if you enjoyed this issue of ENGnews and want to add your voice to the next one, you can submit your articles at the Article Submission Form found on the same website as well :) Thanks for reading and catch you later.

