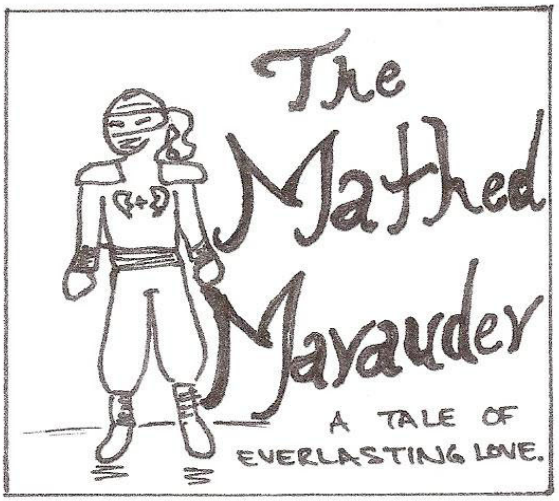
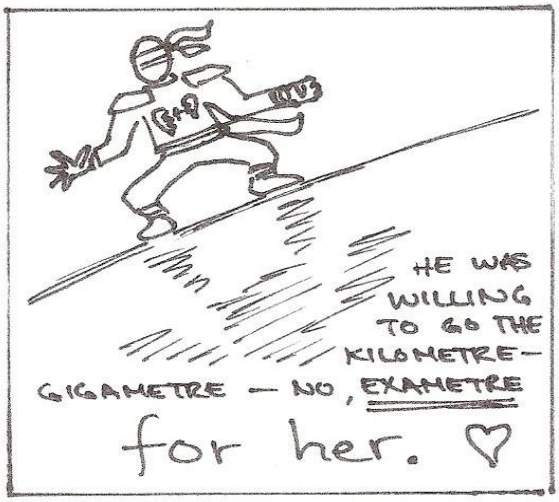
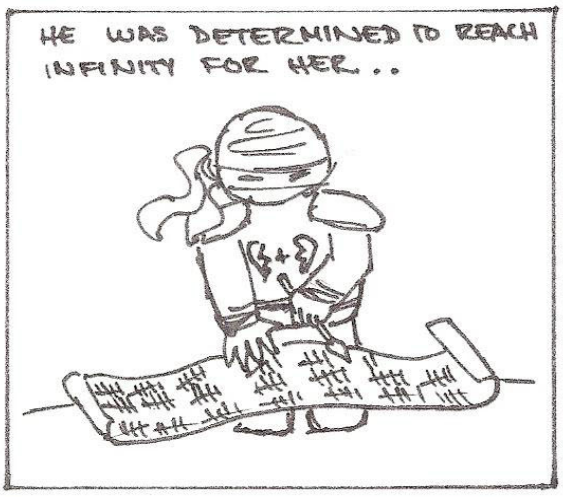
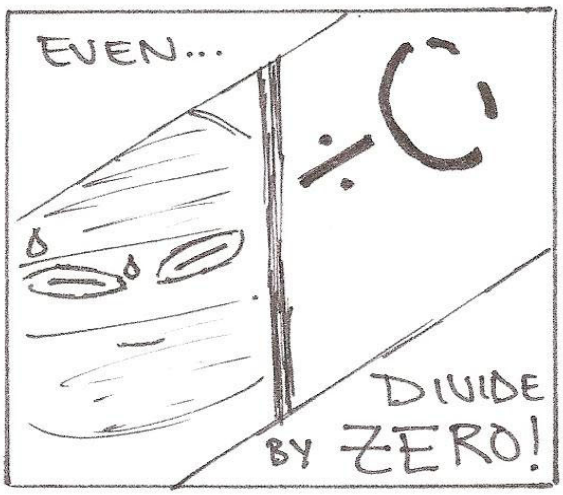
math NEWS

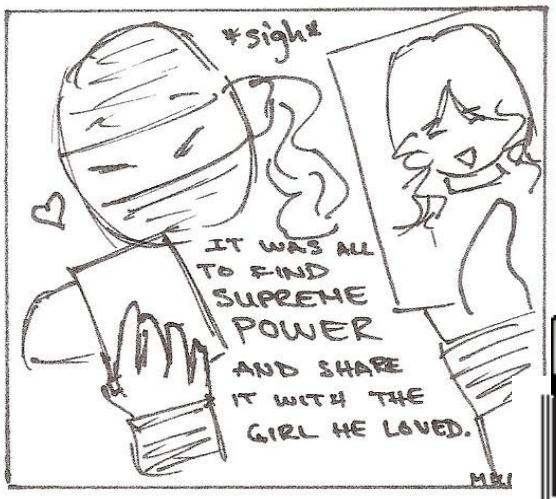
Volume 109, Issue 3 *Friday, February 13th, 2009*











BY NC ND

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*look*AHEAD

***math*NEWS**	
February 13	*math*NEWS conquers love
March 2	*math*NEWS production night #4
	Meet at MathSoc at 6:30 SHARP
March 6	Worlds collide; a new *math*NEWS is born
MathSoc	
March 9	Square-Root Day
March 11	Etiquette Dinner
March 13	Pseudo-π Day
Wednesdays	Games Nights
Thursdays	Movie Nights
Math Faculty	
February 14	Class Enrollment appointments end
Feb 14-22	Reading week
	(Don't forget to do *math*NEWS puzzles)
February 16	Open class enrollemnt begins
February 20	Last day for 50% tuition refund
February 27	Drop Penalty Period 1 ends
	Last day to get WD grade
CECS	
February 27	First Interview Cycle ends
	Rankings open at 1:00 PM
March 2	Rankings close at 1:00 PM
	At 4:00 PM you that if don't have a job
March 4	Job postings go wild again
Miscellaneous	
February 14	Your wallet suddenly feels empty
	Broken-hearts ensue
February 23	Welcome back to HELL!

Need a break from midterms?

Join us in a bit of last minute laziness

UW Gamers is holding a Don't Study Portable Systems Party on February 26th. It will take place in the SLC Great Hall from 4:30pm until midnight. Please bring your own DS and/or PSP.

Come and get your photo taken by a **DSi**!

For more information, please visit `http://www.uwgamers.org`.

UW Gamers

ISSN 0705—0410

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Single on Valentine's Day: Joe Collins

Too busy to think about Valentine's Day: Nav Chandrani

*mast*HEAD

And now I understand from where our Imprint rivalry comes...

Last week's media forum saw one candidate for Math Senate and zero candidates for Math Council come to answer my questions. Needless to say, the above people would have gotten my votes if Softies could vote for Math stuff. That notwithstanding, I wanted to mock this on the cover of this issue, and entrusted Maggie Clark from Imprint to take the photo. She says the camera broke after the photo was taken, but I think we all know what really happened...

It is now official: *math*NEWS has declared war against The Imprint. Our staff spent this Monday's Production Night making our battle plan, answering the question "What constitutes sweet revenge?" Maggie, take note: sexy whore (Bury them in sausage), `(define this (not cool))` (Chemically separate and consume the sugars in their body), Sector Corrupt ([insert bad sugar joke here] ... though sugar is the gas tank fits), Baxter (When your roommate leaves the door open and your room gets plastic wrapped), The Single Panda (Killing them softly with my song), J-Zee (*shakes head*), Brucey-π (Taking your girlfriend to dinner and breaking up with her before you receive the bill), Lich (Revenge that is sweet *[No shit, Sherlock! — InsidED]*).

As always, thanks to Graphics for not knowing what they get themselves into. I really don't have anyone else to thank, seeing as tomorrow's Valentine's Day and I'm still ridiculously single. If there are any ladies available, please find me *[Find me first; or* menage a trois *anyone? :-O — abortED][Ummm... no — InsidED]*.

InsidED (Making them listen to me sing every Britney Spears song there is)

abortED (A stuffed bear with a cute heart in one hand and a bloody dagger in the other, and give that to your significant other this Valentine's Day, MUAHAHAHA)

VPF Sez

It's turtles all the way down

There is a tale about a scientist who gives a talk about the solar system, and an elderly woman interrupts with the claim that, contrary to his assertions about gravitational forces, the world travels through the universe on the back of a giant turtle. "But what supports the turtle?" retorts the scholarly figure. "You can't trick me," says the woman. "It's turtles all the way down."

However, the infinite regression belief isn't entirely true with us. The executives of MathSoc need some assistance executing. Like how our Prez has addressed in his article, what can we do to help serve you better? An example of what we thought would better benefit the math student body as a whole was the Etiquette Dinner, co-sponsored by the Dean of Math, scheduled to happen on the 12th of March. If there are other such events or ideas that you think would benefit everyone in our faculty, feel free to email the execs at `exec@mathsoc.uwaterloo.ca` and give us your views and suggestions on how we could go about serving you as a better society.

So, *can* this turtle stand on you?

Ajnu "!(Anju)" Jacob
MathSoc VP Finance
`vpf@mathsoc.uwaterloo.ca`

Prez Sez

They just didn't put enough hours in a day

First off, my sincere apologies for not updating you in the last issue of *math*NEWS. I can only hope you can forgive me.

What are we up to? MathSoc will be partnering with the Dean's Office to produce an Etiquette Dinner which really teaches one which fork to eat with, and more importantly how to eat, so when that employer comes out and asks you for a "Wine and Dine" you know how to eat and drink properly. Additionally, I'm putting myself to work in some more of the boring aspects of MathSoc, however, they're important.

I will be reviewing the organizational structure of the Society as well as the Clubs structure. Currently most of the clubs are in favour of the new structure, and I'm eager to see Council adopt some changes. Additionally, I want your input. What can MathSoc do to attract you? What services can we offer that you would benefit from? Seriously, if a group of students were sitting on a pile of money, what would you want them to do with it?

In other parts of the world, FEDS is giving you the results of their election today at noon. They will be announced in the SLC Multipurpose Room so if you have time, check it out and meet your new FEDS exec. The only new executive that we can tell you about is, well, me, because I was acclaimed to be the VPAF for next year. I'd like to note that, unlike Imprint, at *math*NEWS we are aware of when you are reading this, so when we say something is happening today at noon, we're assuming you're reading this today, Friday, February 13, 2009.

Also, we're going to get started on MathSoc Exec elections for the summer. If you're interested in an exec position, talk to the current exec about it and to get more information. On the note of elections, it's sad I know, but unfortunately I have to do that whole graduating thing, so I won't be here in the fall. This means there will also be an election to replace me this term for the fall.

As always, if you have any questions or just want to sit down and chat, send me an email.

Chris "Brucey-Pi" Neal
MathSoc President W09
prez@mathsoc.uwaterloo.ca

Filler from the '70s

When you read your memory,
Do you read the 'one' bits last?
Do you add your numbers slowly,
Or crunch them very fast?
Read the ferrite core and bubbles,
BUT TELL ME WHEN I ASK...
When you read your memory,
Do you read the 'one' bits last?
(Dump)

Volume 18, Issue 8
17 November 1978

VPAS Sez

I can use this space as filler.

Well, technically she didn't, but I'm going to anyway.

InsidED, Definitely Not MathSoc VP Activities and Services

Interesting Time Trivia

Computer clocks measure time in seconds since "the beginning of the epoch", 1 January 1970. The GNU version of the "date" command will display it:

```
% date +"%s = %C %Z"
1234200370 = Mon Feb 9 12:26:10 2009 EST
```

Notice the nice number formatting there.

In fact, look what happens later today:

```
% date +"%s = %C %Z" —date "Feb 13 18:31:30 2009"
1234567890 = Fri Feb 13 18:31:30 2009 EST
```

Unless we all grow another finger on each hand and the world changes to a base-12 numbering system, such an event will never happen again. Left as an exercise for the reader: when would that happen?

Ray Butterworth

ElseWhen

25 Years Ago in math*NEWS*

This week, multiple midterms went away to steal my staff. It's good to see that, in the good ol' days, that still happened. Today, we look at Volume 34 Issue 3 of *math*NEWS, originally published on 17 February 1984.

InsideR

Are You A Turtle? According to Ernie, one should never reply to this question with profanity. Sample answers are provided:

Real Mathie: I'm sorry, but I only talk to creatures above engineers on the evolutionary scale.

Psych: Have you wondered why you feel compelled to ask perfect strangers this question?

Engineer: No! I'm an Engineer! (singing) "We are, We are, We are the Engineers! We can, We can...

Chevron*: I'm not a capitalistic lackey of the imperialist war mongering fascists!

I now feel obligated to answer this question on behalf of Software: "Turtles are too slow to move between faculties."

*Note: what was Chevron is now called Imprint.

In Other News...

- Watsfic is holding a story contest. Top prize is $50.
- Apple's Macintosh is first released. Sells for $3600.
- "Not Fraser Simpson" talks about assigning the variable *i* to π. I shudder at the thought.
- Revenue Canada is not "all insensitive, unhelpful people just dying to get their hands further into your pockets." I disagree.
- MathSoc is holding another T-shirt/Button Logo Contest. Deadline is February 24.

Happy Valentine's Day

L33T Tip: Selecting a Secure Password

Often, computer users have to change passwords (due to security breach, an expiring password policy, or perhaps they are security minded and want to make it harder for hackers to compromise their account).

Selecting a password tends to be a one of those challenging moments in computing as you must select a password that meets two requirements. Firstly the password must be secure, which means that the password cannot be based on a dictionary word (otherwise it could be compromised using brute-force dictionary attacks), must contain a combination of letters and numbers, and must be at least 8 letters long (for computational complexity reasons). Secondly, the password must be memorable. Unfortunately this requirement contradicts the first requirement (the password must be secure) because memorable passwords tend to be easy for others (or machines) to guess. However, I have a solution for those who need to choose a secure password that is memorable.

First select a word that is memorable to you. Perhaps a word in the dictionary, or the name of a close friend. This technique alone, satisfies the second criteria for optimal password selection. However, now me must find a way to make the password look random, so that the password cannot be easily broken. The technique that I would suggest using is to shift your fingers up or down a row, or perhaps shift your fingers over a couple of columns. Then enter the memorable password as you normally would have if your fingers were on the home row. The net result is that you get to keep a memorable password so that it is easy to remember but the simple shift action in entering the password makes the data look random (not based on anything memorable).

Dr.L33T

What's up there Dad?

What do you think?

Dad: "No one really knows what they are building up there son. It is another one of those UWaterloo mysteries."

Now we've all been wondering what they are doing on top of the MC over the past two terms. Here are my two cents of what they are actually doing up there. Also, I really enjoy making lists.

- An RX-78-2 Gundam
- A Blimp
- A Death Ray to take down the Engineers
- A Hello Kitty blow up doll
- A race track for prison racing
- A giant hammer to summon the Kraken
- A big big boy burger

So what do you think could be on top of the MC? Send me an email: Baxter.MathNews@gmail.com

Baxter and Sector Corrupt

VPA Sez

...as he plays with toys like a 5-year-old

I know how to stick it in, but it's really small and it won't go in. *[That's what he said... — abortED]*

Aaron Ingersoll, MathSoc VP Academic
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Interesting Math

Homicidal Driver

No, I'm not referring to drivers on Ring Road. Imagine we have a runner (R), who is has high maneuverability but low speed, and a driver (D) behind the wheel of a car which naturally has high speed but low maneuverability (relatively speaking), who is attempting to hit the runner. Assume neither the runner nor the driver ever tire, and that the car will never run out of gas. The only hope that the runner has is to survive long enough until help comes — how does he do it?

Well, we begin by making a simplifying assumption, that the car's turning rate is bounded, so that at max turning, it traces out an arc of a circle of fixed radius, the radius of curvature. We also assume that R has zero inertia, and so has unbounded turning radius. It's a fairly uninteresting problem if R is immediately in front of D, so let us suppose he is far away, or better yet, that he starts out slightly behind (to either side) D. Of course, D would not do well to turn immediately, as R can enter the circle of maximum curvature and D would be stuck driving in circles (literally). So D tries to be a little more intelligent, and drives forward a bit first before turning around to face his prey. Of course, R's strategy would now be to attempt to follow D to attempt to run inside the circle of maximum curvature for safety. Thus, we end up with a situation where D is now attempting to escape from R! It would seem that if R can position himself correctly and escape, but conversely it seems that is the turning radius were small and D extremely fast, R would get run over no matter what his strategy. I invite you to find some necessary and sufficient conditions in which R survives. I should note that sometimes geometric problems such as these are easiest to solve if you perform experiments to model them.

Vince's problem of the issue Find a connected topological space with the property that the removal of a single point renders the space totally disconnected (in the sense that it has no non-trivial connected subsets).

Vince Chan
v2chan@student.math.uwaterloo.ca

Why being dead sucks

Your one stop guide to why your unlife sucks!

So, having just been told that technically since I failed to complete my last article due to my untimely demise and that I didn't yet earn my pizza I now set out to make enough text appear on paper to earn my rightful munchies. So, here's the reasons why being dead sucks!

- Discrimination. (I'm looking at you, pizza denying *math*NEWS!)
- You smell awful. Imagine how much more you smell dead? Zing!
- You seriously can't hang out anywhere near those Left 4 Dead kids.
- In fact, anyone who plays video games or watches movies pretty much will shoot you in the face.
- It's extremely hard to find decent brains in the arts and engineering buildings.

(continued on page 5)

Thor's CS Problem of the Fortnight

Making all life's problems O(1), since 1822

This Fortnight's Question: (Cribbed from a Qualcomm interview) You have a system with enough memory to hold some m number of integers at a time, and you have a larger list of n integers ($n > m$ but $n < m^2$ (in the interview, they forgot to mention that $n < m^2$)) in a file that you want to sort. You are primarily concerned about the disk access time, since disk access is the primary bottleneck in many systems. Describe how you can get a sorted list of the n integers on disk with only $2n$ disk reads and $2n$ disk writes (in other words, give a solution that is linear in the number of disk accesses).

Last Fortnight's Question: Describe a simple way to tell if a system stack grows up or down in memory.

[No, last fortnight's question was how to find you in linear time and drag you to production night. — InsidED]

Its Answer: InsideR provided a simple solution to this problem, but he ignored the possibility of compiler optimization. Declaring two variables and comparing their addresses will usually work, but there's no reason why the compiler can't reorder those variables if it feels like it. A better bet would be to make one variable on the stack and send it into a function - a comparison here is more likely to give you an accurate answer. However, it is important to note that the C standard makes no real promises about address values except for array math. So, in theory, this is a bit of a trick question - you're asking a machine-dependent question. Implementers of the C standard aren't even really required to have the concept of a "stack". In any real-world system that I can think of, however, this probably won't be a problem.

Thor

Why else being dead sucks

- Detatchable limbs are *not* as cool as they sound.
- Coffins are dark. You are likely to be eaten by a Grue.
- Healing spells hurt you.
- *Braaaaaaaaaaaaaaaaaaains*

[… and with that, he stumbled out of the room in search of better brains than the kind math*NEWS lures in with promises of pizza. If you see him, remember, headshots kill zombies and you can have his pizza if you defeat him. — InsidED]*

Sector Corrupt

MathCooks!

Hot Buttery Lovin'

Shortcuts. They're the secret to easier entertaining and even just a quicker way to make dinner. For example, cooking more meat than you need today will save your stir fry time tomorrow. Cooking a stew in a small pot means you can eat right out of the pot, saving cleaning time. How about baking? Puff pastry, for example, takes forever to make because of how many times you have to fold the dough into itself, and to that end I just buy the store made dough. However, that's not what I'm here to talk about. We're talking something much simpler...

Biscuits! Tea biscuits, to be precise. Butter biscuits are so incredibly delicious when they pop out of the oven that some may even just melt in your mouth... provided you do it right. Look at all the books on these things, and all of them will advocate cutting the butter into the flour: A long and unconventional process. For those of us without a food processor, for example, that becomes difficult. Here's where a shortcut presents itself: Cheese grater. Seriously! The following recipe is by Chef Michael Smith (Host of Chef at Home and Chef at Large).

You will need:

- 4 cups all-purpose flour
- 2 tablespoons baking powder
- 2 teaspoons salt
- 1 stick of frozen butter (<=> 1 cup <=> 250ml)
- 1.5 cups (cold) milk
- A sprinkle or two of salt and pepper

First, preheat your oven to 400 degrees F. Mix the flour, baking powder and salt together, with a whisk if you can, or just spatula it well otherwise. Instead of cutting the butter, here's the alternative: Grate the frozen butter stick through large holes of your cheese grater (or potato grater) into the flour. Toss gently with fingers until the grated butter is evenly distributed.

Next, pour the milk in and gently stir until a dough starts to form. Use your hands to fold the dought a few times (Or a kneading or two, but not too much!). At this time it might be in your best interest to chill the dough a bit if your hands start to melt the butter. Once you have the dough, roll and cut into any shape you expect your biscuits to take (I just rolled and pressed into mildly flat circles). Sprinkle salt and pepper over your biscuits (and any other seasoning you prefer on yours. I tried Italian seasoning and that worked well) and bake for roughly 15 minutes. When the crust turns golden brown, it's done. Serve with whatever you want. It's really good right out of the oven though, that's for sure.

Easy and quick, and there's very little cleanup afterwards. Try serving this with some sort of stew or chili!

Butter Knife Panda

Your first dose of *prof*QUOTES

I brought my balls today! Oh, hold on, they're stuck.

West, MATH 128

Your calculus prof is probably just a dirty liar.

McNees, PHYS 122

Je suis complètement fucké.

Nash, FR 151

[While taking up a test question] You don't need to tell the truth!

Nash, FR 151

Are there any other questions about mathematics and inequalities that I can get completely wrong for you?

Terry, SE 382

Point vs CounterPoint

Valentine's Day Sucks!

It's bloody awful. And that's not just a pun on the oh so delightful gorefest that was "My Bloody Valentine's 3-D." Honestly though, people keep making it out to be a day of happiness with rainbows and unicorns, but that is complete bull! Why, you ask? I'll give you not only one, but ten whole reasons for this!

10. **My Imaginary Girlfriend**: She's really complex and wants like a bajillion things from me. What the hell?
9. **Consumerism**: It's a damn Hallmark Holiday! Poor guys get suckered into buying material gifts for their female friends because greedy capitalists pigs say so. They're nothing more than an excuse for big companies to make money off the back of our poor comrades! Abolish capitalism! ... Oh wait, ignore that part. We'll talk about that when the revolution comes.
8. **Chocolates**: Valentine's day means lots of chocolates... Which means you're likely going to overeat on them. Don't spend money you say? But you have to send anonymous chocolates to yourself otherwise you'd look like a loser! Or something like that, not that I did it or anything... But yeah, you gain weight. A lot of weight. It's terrible.
7. **Every other couple**: You know how Christmas brings out the really creepy fat guys who dress up in red with a beard hoping to pick up little kids? Valentine's has that same problem with bringing out closet couples. Seriously! You can't go anywhere without noticing everyone pairing off into their little twosomes and public displays of affections (PDAs) become stupidly common. Seriously! Get a room! Maybe Mathsoc should rent out rooms instead of lockers around February.
6. **Saturday Night Alone**: You're sitting down on the couch, beer in one hand and chips in the other, the game is playing... and no one else is there. It's tragic what Valentine's day does to your friends! They ditch you for this so-called "significant other" when you were the one there for all the significant events of their lives: Their first fake ID, their first cougar, the first night in jail together... You know! How can they ditch you for some random person like that?
5. **Rejection**: Valentine's day puts so much pressure on you to confess to whoever it is you might be interested in... AND THEN GET REJECTED! Seriously, who in their right mind would want to get peer pressured into something like that? Pfft!
4. **Cheesy TV. mmm... Cheese**: Seriously, cheese is delicious! Oh, right, TV. Have you seen the shows that come on during Valentine's? It's almost as bad as Christmas shamelessly having Christmas specials for every show! (No, seriously, He-Man Christmas Special?) Sappy romantic movies and TV shows everywhere! It's horrible! Who wants to see Kissy Kissy Bang Bang instead of Kiss Kiss Bang Bang?
3. **Creepy Babies**: Seriously, who in their right mind would want to see a mostly naked baby (shouldn't he be like old by now?) in a diaper "flying" around shooting people? If I did that I'd be arrested for murder (And public indecency). That's a double standard, bah!
2. **Love isn't a one-day thing**: If you love someone, you can't just love them on a prescribed day, that's not how these things work! Sure, you can argue that the day is meant to remind you and demonstrate that you love them, but that's foolish too. If you did want to demonstrate it, you'd do it voluntarily on any given day, not just this day! Just remember to tell the person you love them once a day, or at least appreciate their existance in your life. (A simple line of appreciation can make a big difference in their lives!)
1. **My love life**: Uh... Yeah, tragic.

So there you have it, ten different reasons to hate Valentine's Day! I think it's a damn shame that we have to suffer through this inhuman excuse of a holiday, wouldn't you agree?

That Single Panda
J-Zee

10 Reasons why you should love Valentine's Day

So you know how tomorrow is Valentine's Day? We should enjoy it just because it is the weekend and also reading week is coming up. There's no need to be sad and cry your heart out. In fact, Valentine's Day is one of the awesome-est days of the year. Why?? Here are 10 reasons:

10. You can celebrate being a mathie.
9. It gives you an excuse to spoil someone or let someone else spoil you. Don't you just love getting flowers and chocolates or be treated like a princess for a day?
8. You have a good reason to buy a whole load of chocolates without feeling guilty about yourself. You also have a reason to bake cookies or something sweet and be proud of it.
7. It's very pink. I like pink. QED
6. You get to cuddle and snuggle with your sweety. P.S. No wonder November is the busiest month for babies being born. **wink**
5. You get to confess your feelings to the person that you like and ask them out **wink wink nudge nudge** if you know what I mean.
4. I get to decorate my corner, put on some romantic songs and maybe light some scented candles.
3. You get to see cute babies half naked with bows and arrows on their back and maybe also hear them giggle.
2. My love life.
1. Because I'm in love.

Those are 10 reasons why I am happy to celebrate Valentine's Day. You should be happy too. Just because you are single or just not in the mood to find that significant other, doesn't mean that you should just sit on your couch with a beer on one hand, and chips on the other hand and mourn your status. Go out, have fun with your friends. You are always welcome in my corner and I'll find someone for you. If you know what I mean.

with love,
Sexy Whore

Yo! First Years! Your Resumes Suck!

And I mean that in the nicest way possible...

It is always the mediocre who think they are good at something. Having done well in a number of co-op applications, I am starting to believe myself to be wise enough to give tips on resumes. Then again, given the horrendous resumes I've seen, maybe complacency is worthwhile if this article can reduce the number of horribly written resumes out there. So if you're a first year who got perfect on the PD1 resume assignment and are wondering why you're not getting any interviews, these tips are for you.

1) DO NOT FOLLOW THE PD1 FORMAT

I say this after having to look through 70+ resumes for one of my former employers. Those resumes that followed the PD1 format put me to sleep. Literally. Everyone had the most irrelevant projects listed under "Relevant Projects". Stock market game? Business presentation? Connect five game in Java? Do you realize you're applying for a stats type job? Worst yet, everyone writes about those same projects, almost with the exact same wording. Gee, I wonder why. When a project is just a project, it doesn't make you special! Mentioning it makes you look stupid!

Yes, yes, I know, PD1 markers dock points when you don't use all the required headings. To be blunt, it's because PD1 is stupid. Not having a relevant project doesn't make you a less qualified candidate: it shows that you are honest and do not want to waste any of your prospective employer's time with things you know to be unimportant. Don't get me wrong, though. Some projects really are relevant. So ask yourself: Is what I'm writing down something expected of me, and hence add no value to my resume? Does this information differentiate me from the rest of the crowd? Is this going to tell my potential employer why I am better than the other 100+ applicants? You're not a mindless drone so don't write something because everyone else does so too.

2) DO NOT FOLLOW THE PD1 FORMAT

I can't stress this enough. If you feel that you need to make up your own headings to group relevant items together, do it! No one says you can't organize things your way. So sure, use "Leadership Experience" to group extra-curriculars and community involvements. Or maybe you had some general (relevant) activities that don't really fit anywhere. Maybe you want to separate out your computer skills from your skills summary. Objectives aren't really necessary either. Maybe you want all your programming experience, regardless of where you got it from, all in one place. IT'S OKAY!!! Whatever works! Remember that what you're trying to do is to communicate your skills and experience — highlight that: YOU ARE TRYING TO COMMUNICATE. You're trying to get some important points across. You need to organize these points in an effective manner, and place them in order of importance. That being said, no generic resume template would work for everyone because everyone is trying to communicate something different. You are a unique snowflake, so don't use the same template just because everyone else does so.

3) DO NOT FOLLOW THE PD1 FORMAT

Gee, are you starting to get the point now? Aside from all the other pitfalls, the PD1 template makes your resume too long, and long resumes are often full of BS. Remember again that you're trying to communicate. Putting too many words down on the page dilutes your message. Keep things short and sweet. Your resume should then come through as dense: where each new line tells your prospective employer a little more about you. Of course, you should still make your resume easy to read, well organized and with lots of white space.

One other thing that works somewhat in getting your resume to stand out is to use a different font. One resume I saw used Arial instead of Times New Roman (which everyone else used, since PD1 said so). I wasn't sure whether I was conscious of it right away, but it caught my attention. Little things like formatting tricks do make you stand out. Of course, in the end, it's the content of the resume that matters the most.

So now that you know to always take anything the CECS (or anyone else, including me) says with a grain of salt, you may be wondering whether your resume is responsible for killing your job prospects. Well, maybe. If you feel that you didn't communicate everything you want to say, or feel that you organized the information the wrong way, then yes, there might be room for improvement. If you are still lost as to what to write on your resume because... well, you couldn't think of anything to write to begin with, then you have a bigger problem. A resume is supposed to communicate something. If you really honestly seriously can't think of anything to communicate... well, you can't expect to have a good resume can you? You'll need to solve that bigger problem first.

I think I've covered most of what I wanted to say. A resume is a way of communicating with a future employer about your basic qualifications and relevant experience. It should be informative. It should be organized in a way that presents the information in the best way possible — and that best way is probably not the PD1 format. So keep that in mind next time, and best of luck!

arcsin

A few more *prof*QUOTES

Religious scholars are like univeristy professors, we're parasites.

Seljak, RS 100

For most people the study of philosophy is torture, sorry philosophy majors, you're nerds.

Seljak, RS 100

This sounds a lot deeper if your stoned, try it, come to class stoned.

Seljak, RS 100

I don't mean to make fun of the Philosophy Department, it's a great department, great program, which qualifies you for living in your parents' basement for the rest of your life.

Seljak, RS 100

Let's do the data-directed design dance!

Kaplan, CS 115

Those body casts...they're kind of like disaster porn.

Evans, EARTH 270

*prof*QUOTES

Do you believe me? I don't even believe me.

Wagner, MATH 249

The more I say it, the more plausible it may become.

Wagner, MATH 249

You guys can watch me as I push buttons on my calculator.

New, MATH 148

For all you know, the board could be FULL of empty strings.

Lushman, CS 241

This is exciting! Well, that depends on what your threshold for exciting is.

Marcoux, MATH 146

And suddenly you realize that THEY TAUGHT YOU LIES!

Marcoux, MATH 146

This one's neat. Even if I did write it myself.

Marcoux, MATH 146

Lets say Walmart is closed and all your friends are out of spanning sets. Where are you going to get one?

Marcoux, MATH 146

This is the second exercise of this class. Essentially, I'm just getting lazy.

Marcoux, MATH 146

When I'm doing this with engineers I can skip this stuff because you can wave your hand...and they'll buy it."

West, AMATH 231

Proving surjection in isomorphism is kind of disappointing... It's like the second date of isomorphisms."

Leung, PMATH 336

No, we're not going to do it that way. We're doing it the long way. Hey! This is like parenting, we're not doing it the creative way, we're doing it daddy's way... parenting amongst other things...

Leung, PMATH 336

If you throw a cat off a skyscraper, it will bounce once. I didn't make it up! It's from Wall Street!

Smith, ECON 102

There is nothing tangible behind the money supply. Not money, not gold, not Ron Paul...

Smith, ECON 102

Don't look at me like a bunch of puppies I just kicked in the face.

Smith, ECON 102

We have to drive up the wall in this course to make everything else in life seem easy."

Burkowski, CS 341

If marital sex is good, then extra-marital sex must be extra good.

Seljak, RS 100

It's not pre-marital sex if you don't intend to get married.

Seljak, RS 100

Lessons learned from Disney Films

As learned by me!

With the announcement last week of the 2009 orientation theme (Disney's **M**agic **C**ingdom) It made me think. Think real hard about my childhood, in fact. And so, dear readers, I share with you the family values and morals bestowed to me by the great Disney Corporation.

- **The Little Mermaid**- Mermaid procreation sucks, get legs.
- **Pirates of the Caribbean**- Pirates are very awesome people to be around and never do anything bad. So you know, next time you're in Somalia, say hi to the pirates!
- **Lady and the Tramp**- Racist stereotypes are A-Ok by Disney standards, long as they're about Asians.
- **Dumbo**- Hell, nevermind, anyone's a target. Jim Crow anyone?
- **Snow White**- Your stepmother is evil and wants to kill you. Get her first.
- **Aladdin**- The only way to get the girl you like is with the help of a Genie.
- **Fantasia**-Disney Animators are on Drugs
- **Alice in Wonderland**- A *lot* of drugs.
- **Anything with Mickey Mouse** - Mickey mouse is a moron.
- **Treasure Planet, Lion King etc.**- Disney likes to rip off other wor-

[At this point in writing his article, Sector Corrupt was tragically struck down by Disney Goons. We're hoping we can get a phoenix down or 5,000 gp worth of diamonds before the next math*NEWS*. *— InsidED]*

Sector Corrupt

Return Of the Fortnight

Bug of the Fornight has returned (at least for this issue of *math*NEWS) and this time we will be tackling the somewhat interesting language of C. Consider the following snippet:

```
#include"stdio.h"
void main(){
   char *pHelloWorld = malloc(sizeof(char)*12);
   pHelloWorld = 'Hello World';
   printf("%s",(*pHelloWorld+4));
   return;
}
```

Midnight Coder

One more *prof*QUOTE

but only because of popular demand

[After students had ravaged the piles looking for their assignments] These assignments were in organized piles before... now they look like random scatterplot!

Akhundov, STAT 231

Keep it moving! Nothing to see here!

Dating Advice from the Sexy Whore

[The editor regrets the absence of The Single Girl this week, and presents for you a hopefully reasonable substitute. — InsidED]

Dear Sexy Whore,

My friend is "going out" with my other friend. Apparently they are not official "yet". What does that mean? I teased her about it and she threatened to throw me in snow... and do I still have a chance with him?

Confused in M.Acc

Dear Confused,

So about this friend... maybe he was still thinking about going after her. More to the soon side? Or maybe, the "yet" thing, it's a LIE! Maybe it's ALREADY instead! Or maybe, just maybe, he is actually ON to you! Maybe he is using a reverse psychology or something. Maybe you can try seducing him? A red thong could work in this case.

Dear Sexy Whore,

I saw you at the Mathsoc Office in your corner. How much do you charge?

Desperate

Dear Desperate,

If I tell you how much I charge, will the boys come to the yard? *[No, they will come to the office looking for you — InsidED]*

Dear Sexy Whore,

I think my roommate is cheating on my other roommate with our cat. I often see it sitting on his lap and he would stroke it gently and tenderly. How do I break this to my other roommate without relations being strained? (They already sleep together)

Third Wheel

Dear Third Wheel,

I think your other roommate should just join in with the roommate. *if you know what I mean* wink wink nudge nudge. Or you can steal away the cat from your roommate so the relations are not going to be strained. You know, you can always find someone for your other roommate. Or you can accompany your other roommate if he feels lonely. Have some bonding time.

The Sexy Whore

Because nobody actually reads during Reading Week

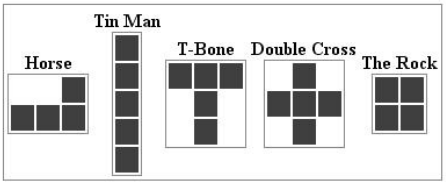
We invite you to do these puzzles instead.

Puzzles courtesy euri.ca

SIGINT

The precious 10x8 grid that we call home has been infiltrated. Signals intelligence tells us that the following agents are somewhere nearby, all they can tell us about their locations is

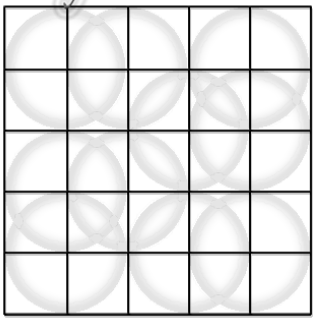
- How many squares in a row or column are occupied
- They've been ordered to disperse so they aren't touching, not even diagonally.
- Remember: they can rotate.



								3
								5
								1
								1
								3
								4
								1
								0
								5
								0
2	6	4	1	3	6	1	0	

Umbrellas

Place the following 10 squares on the 10 circles so that the overlapping numbers match up.



3	3		9	8		5	4		8	4					
7	4		4	0		6	7		0	8					
8	4		8	4		0	8		4	5					
5	4		7	9		6	7		4	6					
5	3		6	7											
9	7		8	2											

$25 HMV Gift Certificate

What's stopping you from getting one?

Do you want prizes? Who doesn't want prizes? If you want prizes, namely a $25 gift certificate to HMV, you must write for *math*NEWS. It's not very difficult to do, either! Simply submit your articles to the *math*NEWS mailbox in the MathSoc office (MC 3038), or email your article (with "article" in the subject) to `mathnews@student.math.uwaterloo.ca`.

While we're here, when you send the article, please put it in the body of the message. Attachments annoy us. Please also put it in plain text mode. Rich text annoys us. Finally, if you know how to tag articles in mNmL, please do. If you know how but you don't bother, we will be forced to bring pain upon your body.

Anywho, this week's winner is Sector Corrupt. After last week's Math Orientation Theme Release Party, he gave us a few ideas on what SE Orientation can use as their theme. Conflict of interest FTW! SC, your prize is in the *math*NEWS mailbox.

InsidED, abortED

Drywaller

"Listen up. Our client isn't picky, as long as each square has the right number of walls surrounding it. Sounds a little tricky, but we didn't get to be the #3 drywall outfit in town by being lazy."
Also:

- There's a wall around the outside
- They want exactly 15 rooms

2	1	3	3	2	2	3	2	1	2
1	2	3	2	2	2	2	2	1	2
3	2	2	2	2	2	3	3	2	2
3	2	2	1	2	2	3	2	2	2
2	2	1	0	1	2	2	1	1	2
2	2	2	1	2	2	3	2	2	2
2	2	2	2	2	2	3	2	2	2
2	2	2	2	3	2	1	2	3	3
2	1	2	2	2	1	0	1	2	2
2	1	2	2	2	2	1	2	2	2

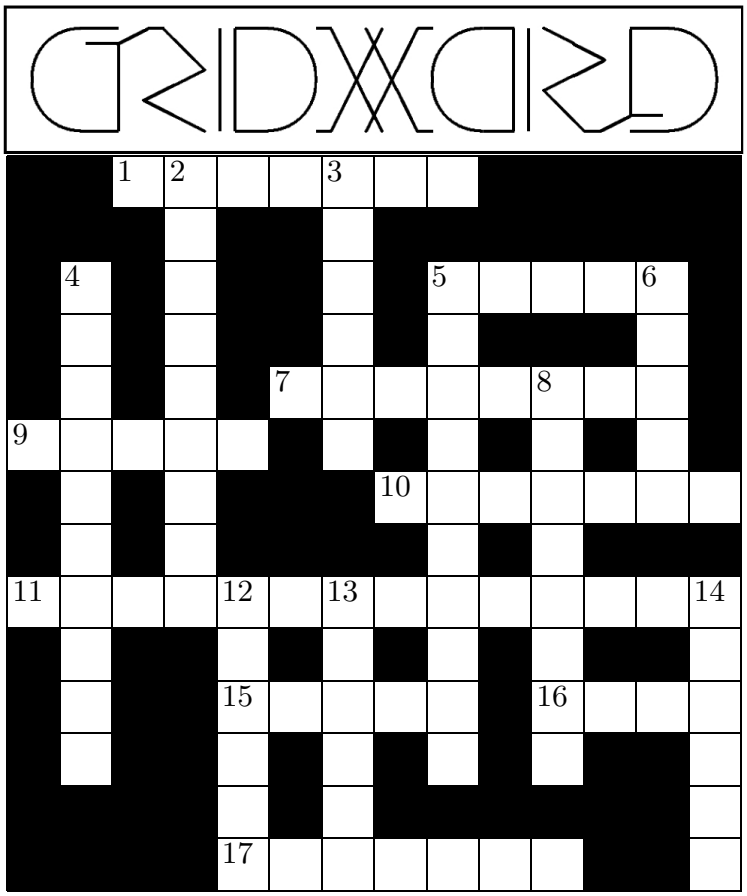
*grid*COMMENTS

Lovin' in the 'loo

Hey hey! Last week's *grid*WORD was messed up, and I truly apologize... On the other hand, we don't have to give out the $5 coupon! However, this week's should work, I swear! (Sorry, Angelo, who submitted something but it wasn't actually correct... although I got a chuckle out of it). This week being Valentine's Day week, our *grid*WORD is based upon the theme of love and other VD stuff! Hopefully it's not too hard this time! Remember to answer the *grid*QUESTION and submit your solutions to Math-Soc by Monday Feb 24 at 6pm!

This week's *grid*QUESTION: How did I fall in love with you?

Enjoy your reading week!
That Single Panda



Across

1. Rejection standard: "Let's just be ____"
5. That winged diapered baby
9. Ralph: "I ___-___ choose you"
10. Greek Muse of love poetry
11. Lonely? Call this 1888 number.
12. That guy on the white horse who sweeps you off your feet(2 wds)
15. ___ Day: Japanese holiday on March 14th
16. Symbol of love
17. Another term for a hopeless romantic.

Down

2. Getting the dreaded "no"
3. Someone who really loves sex
4. Condition suffered as a result of 2 Down
5. Common VD gift
6. To ____ yourself in sorrow
8. Company that invented VD
12. Person who lacks the guts to confess
13. Overused plot device
14. 'Summer Loving' play

Dating Advice from the Editor

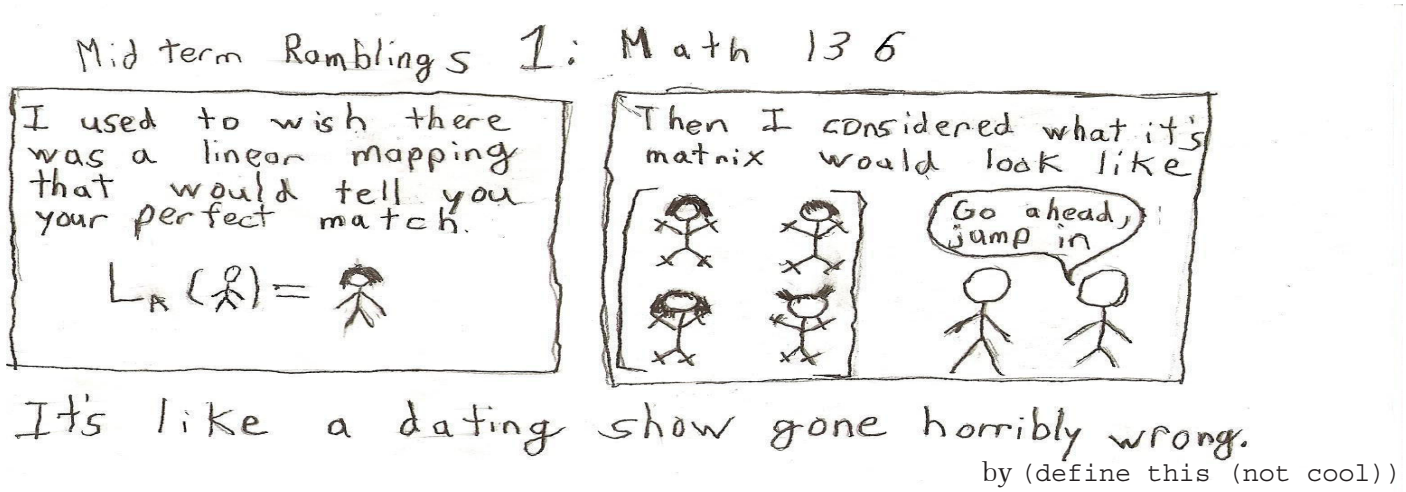
Because we all need some lovin' on this Valentine's Eve

Dear Editor: There's this girl in my CS class who I think I'm in love with. Just yesterday, I finally got the guts to ask her to have sex with me. She got angry, called me *[insert inappropriate language here — InsidED]*, and she slapped me on the face. How can I persuade her to make love to me this Valentine's Day?

Single and Sexy

Dear Single: No wonder you are single, you pervert! Rule #1 with handling the ladies: do not randomly ask them for sex if you've just met. Otherwise, you come across as being more desperate than I am. This, madam, is a title you really don't want to have.

InsidED



by (define this (not cool))