

math NEWS

It's Pony Time!



Rw

*Volume 120, Issue 5
Friday November 16th, 2012*

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lookAHEAD

mathNEWS

Nov 16	Issue 5 reports for duty
Nov 26	Issue 6 undergoes training
Nov 30	Issue 6 Cleans up the town

MathSoc

Tuesdays	Games Night in the Comfy
Nov 15	Pints with Profs
Nov 17	MathSoc Charity Ball @ Fed Hall

University

Fridays	Cheese Club
Nov 16	Course drop period 1 ends
Nov 17	Course drop period 2 begins
Dec 3	Lectures end
Dec 6	Exams begin
Dec 20	Exams end

CECS

Ongoing	Continuous Cycle
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Misc

Nov 18	The eighth generation begins
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Graduate Information Session

Learn about the graduate studies programs offered through Computer Science and meet with faculty actively seeking to recruit graduate students.

Information Session

11:00 am – 12:00 pm
DC1302

Graduate Fair

12:00 – 1:00 pm
DC1301

Free lunch will be provided.

For more information, contact Heather Steinmetz at h2steinm@uwaterloo.ca.

ISSN 0705—0410

Founded 1973

mathNEWS is normally a fortnightly publication funded by and responsible to the undergraduate math students of the University of Waterloo, as represented by the Mathematics Society of the University of Waterloo, hereafter referred to as MathSoc. mathNEWS is editorially independent of MathSoc. Content is the responsibility of the mathNEWS editors; however, any opinions expressed herein are those of the authors and not necessarily those of MathSoc or mathNEWS. Current and back issues of mathNEWS are available electronically via the World Wide Web at <http://www.mathnews.uwaterloo.ca/>. Send your correspondence to: mathNEWS, MC3046, University of Waterloo, 200 University Ave. W., Waterloo, Ontario, Canada, N2L 3G1, or to userid.mathnews@student.math.uwaterloo.ca on the Internet.

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The editors: Vader (Lenny Morayniss), Tyranus (Sacha Koohgoli), Maul (Will Morrison) and their apprentices: Rachel Wiens and Julie Sturgeon

mastHEAD

If you had a pony, what would you do with it?

Concealed (“Make new viral videos: Pony 2012”), Chairman (“Wonder if my pony could fly.”), Beyond Meta (“Auction it off on the internet and make a fortune”), AcroMath (“For Pony, I shall slaughter your world.”), IceNine (“Skin it and make a bid. Then make “veal” parmesean from the meat.”), DanInTheHat (“Measure the correlation between the amount of friends it makes and the amount of magic generated.”), theSMURF (“Train it to bite the penis of my enemies.”), SG-17 (“Name it Bill. Take it to the gates of Moria and see if he can find his way home.”), El Jengibre (“I’d be a rainbow cowboy!”), Handsome Jack (“Butt Stallion. Period.”), Element118 (“Use it to start a petting zoo and give a hobo and job”), Zethar (“Brainwash it and train it to help infiltrate pony society. Apparently we’re at war with them.”), BlueberryMuffin (“Use it to tame dragons.”), waldo@3.LE-GASP.ca (“Ride, ride, ride the pony (x3); This is how we do it;; front, front, front; back, back, back; side, side, side; this is how we do it!”), moment (“Learn the secret of the Stare”), Soviet Canadian (“Bop it on the nose (snout?) to establish my superiority.”), Best Friend Computer (“Death to the commie mutant ponies. Happiness is your duty. Failure to be happy is treason. Ponies are treason.”), psychomath (“Check whether it poops rainbows and butterflies.”)

!ED (“Turn it into glue.”)

Mathsoc Survey

MathSoc would like to know what you think about its services and events! Please fill out the following survey: <http://bit.ly/SXPKVJ>. Information collected in this survey will be passed to future executive teams in order to drive the activities of MathSoc in the future.

Elizabeth McFaul

CS4UDAY

WEDNESDAY, DEC. 5 | 9am - 3 pm | University of Waterloo | Davis Centre

Volunteers Needed.

Free lunch. Free t-shirt.

Volunteer Orientation
Thursday, November 29
4:30 - 5:30 pm
DC1304

For more information:
Lorna Qin
Recruitment Associate
lorna.qin@uwaterloo.ca

WATERLOO | CHERITON SCHOOL OF COMPUTER SCIENCE

Prez Sez

Greetings Mathies,
A couple of short updates this week:

- This term's MathSoc executive is looking for feedback on MathSoc events and services. You can fill out the survey with the following link: <http://bit.ly/SXPKVJ>.
- Elections are ongoing for Council seats and executive positions.
- Council will be appointing next term's Vice President, Finance next week.
- The Fall General Meeting was a success! It included changes to the VPF position, a summary of the Society's current financial position, and a number of other changes. Thanks for everyone who attended!
- Thanks to all of the club presidents who attended the President's Circle this week—your feedback was extremely helpful!
- The general meeting also approved a fee decrease referendum happening next week with the voting for elections, so keep an eye out for that!
- Be sure to check out the upcoming Pints with Profs on Thursday at 5PM in the Bomber—free food, and a chance to interact with your profs!

As usual, if you have any questions, comments, or suggestions for MathSoc in the future, please feel free to email me.

Elizabeth McFaul
MathSoc President
prez@mathsoc.uwaterloo.ca

VPE Sez

Hey Mathies, as the term winds down we have a few more ways to beat those exam blues!

First up is Pints with Profs, which happens on November 22nd at 4:00pm at the Bombshelter Pub right here on campus! Come out and grab some great free food and meet some great profs! If you want to see your prof there, you can pick up an invitation from outside of the MathSoc office (MC 3038) and give it to them personally!

Next up, from our games board, is MathSoc's Tetris Tournament! It will all go down on November 24th, so get practicing! Also happening right before the end of term will be 24 hour games night. Look out for details coming soon on both of these events.

Ty Rozak
Vice President, Events
vpe@mathsoc.uwaterloo.ca

Games Sez

Salutations. This term, Games is running a Tetris Tournament starting noon on Saturday, November 24th. Signups are done online or in person and there will be prizes and free food. If you are interested, you can ask at the MathSoc office (MC 3038) for more information.

Furthermore, Games Nights are running as per usual every Tuesday at 6:30 in the Comfy Lounge, and as of writing 24 Hour Games Night is scheduled to be December 2nd, but check for more details next issue.

Josh Tsai
Games Board Representative

MathSoc Elections

Campaigning for Council representatives and the executive positions has begun! MathSoc has five executive roles: President, VP Events, VP Operations, VP Academic, VP Finance. All the positions are elected, with the exception of the VP Finance (which changed from being elected to appointed by Council for the coming terms). There are also First Year Council seats, as well as upper-year Council seats for every program type. For more information about each of these roles and who is running, please see the MathSoc website. Voting will take place online at mathsoc.uwaterloo.ca on November 22-23rd.

MathSoc Elections Committee

MathSoc VPF Applications

Important change from previous terms

At the General Meeting on November 5th, 2012, students approved switching the MathSoc Vice President, Finance (VPF) to a position appointed by Council. The VPF oversees all MathSoc accounts and keeps track of all money-matters around the Society. Duties include drafting budgets, processing expense claims, office accounting, completing monetary deposits, and basic financial analysis of Society spending. The VPF also sits on finance-related committees, including the External Funding Committee and the CnD Management Board.

If you are interested in the position, please submit an application form (found outside the MathSoc office or on the website) to the office or to mathsoc@uwaterloo.ca by Saturday, November 17th. Please make sure that you are also available on Monday, November 19th for the council meeting, if required. If you have any questions about the position or the process, please email exec@mathsoc.uwaterloo.ca.

Elizabeth McFaul
MathSoc President

ActSci Sez

Mentoring and free food

The UW ActSci Club will be having their second mentorship event the evening of Monday November the 19th. Loyd Zadorozny and Ian Genno, senior actuaries at Mercer and Towers Watson will speak about "Building Your Business Presence by Thinking like a Musician" and they will cover topics including:

1. How to Put your Business Personality onto Paper (cover letters, and resumes)
2. How to Find the Best Job Fit for You
3. How to Prepare for Interviews

Free food will be provided. The location will be finalised soon. The club will also be having Pints with Profs on Thursday, November 15th. Come out to chat and have a drink with your actsci and stats professors!

Finally, there will be having a Dodgeball tournament in CIF on November 20th.

Keep an eye out for posters, emails, and Facebook updates from the club which will provide the finalized times and locations of the events.

Actsci Club

SE Hack Day #8

Everyone is welcome!

How it works:

1. You show up with a laptop and a project to work on.
2. You hack on your project until late into the night.
3. You demo what you've worked on.

Your project can either be something completely new for the hackathon, or it can be something you've already started.

Rules:

1. You must tweet about #sehackday.
2. You MUST tweet about #sehackday.
3. If we haven't seen your hack, you must demo.
4. You have a maximum of 5 minutes for demo and Q&A.
5. Show respect for people demoing, and for the space.
6. NO SCHOOLWORK

Despite the name, SE Hack Day is open to anybody who wants to hack away at a project, so invite your friends!

Things to bring: Laptop, charger, ethernet cable + anything else you would need to hack or demo.

Because of the room this term we only have until 1AM in M3, so you must demo by then.

For more information, see <http://sehackday.com/> or join our Facebook Group: <https://www.facebook.com/groups/sehackday/>

mathNEWS mailBAG

Sometimes, we get letters in our BLACK BOX commending us on our fabulous work. This is not one of those times.

Dearest mathNEWS editor,

I was disappointed with the latest issue of your fine publication. Your rasterized graphics inflict physical pain upon the balls that are my eyes. You are a scourge upon the unsullied face of journalism.

Sincerely,

My Bleeding Eyeballs

PS: Hi Sacha

[Hi! - !ED]

Free* Pizza

I want pizza, I write this. Twenty-three words later, for this, I have acquired pizza.

This extra text is not required for pizza. So why are you still reading this? Search this issue of *mathNEWS* for the little blurb that tells you when and where the free* pizza lives. Then acquire and eat the pizza.

*Definition of free may vary. *[No, that's not a Kleene star - Ed.]*
Element118

Come Hear the UW Ensemble Choir!

The UW Ensemble Choir is performing Brahms' Ein Deutsches Requiem (in the original German) on Saturday, November 24th at 8 PM. Tickets are \$5 for students/seniors, and \$10 for adults. They can be purchased at the door. It is being sung at St. Peter's Evangelical Church which is at 49 Queen St. N, in downtown Kitchener.

There is a large mathie representation in the choir, so come out and hear your fellows sing!

Ice Nine

Student Misses Bus

Resigned to Wait

University at King – Jeff Bain, local University of Waterloo student and chronic narcoleptic, missed his bus this morning on the way to his CS class. Witnesses reported that Mr. Bain had run across the street in pursuit of the 12 (Fairview), but had failed to reach the doors by the time the bus was leaving the stop.

At this point, Mr. Bain placed his backpack on both of his shoulders (from previously having it hanging off of one shoulder) and broke out into a full-out sprint. One passenger from inside the bus witnessed him actually being head-to-head to the driver at one point, before exhaustion caused by an unhealthy diet of hot pockets and ramen noodles forced him to stop.

As of last report, Jeff was heard cursing at the bus and hanging his head dejectedly. Inside sources speculate that he will wait for the #8, due to arrive in thirteen minutes.

Big Mak

Robotic Patients To Reduce Healthcare Costs

Doctors adamant move "misses the point of healthcare"

Medicine is progressing further and further into the realm of computer science and engineering, with medical interventions being performed under medical image guidance, or robotically assisted. However, the medical community has been hesitant to push these advances into the final frontier by developing low-cost robotic patients.

Federal government funding over the past two years have been targeting innovation in developing robotic patients, quoted as being a cost-saving measure. "Not only will we save millions on future healthcare costs," says federal Minister of Health, Leona Aglukkaq, "but it will decrease the number of complications due to X-ray exposure and hospital acquired infections. It's a win-win situation."

Medical scientists are still adamantly defending the practice of using human patients, claiming that it is the "point of medicine," but with rising health-care costs, they may soon have to re-evaluate their position.

Impulse Vector

Liberals to Post Leadership Position on JobMine

The Ontario Liberal Party has announced that they will be posting their party leadership position on JobMine. With the recent departure of Premier Dalton McGuinty and the party's decline to a minority government in the last provincial election, they decided it was time for a new strategy. "Waterloo students work harder than most politicians, and the few candidates we have found so far have been less than spectacular," said a party representative. "Besides, if the next provincial election is anything like the last federal one, we figure we'd only need to have someone for a four month term anyways."

They are expecting to receive many applicants from Waterloo, as the position would include a chance to lower tuition for the student's next school term.

The federal Liberals are expected to post on JobMine too, though Waterloo students would be in for some tough competition. Interviews have already been granted to someone who had a co-op term in space, as well as the someone who's first home was the Prime Minister's residence.

SG-17

Obama Wins Election; Canada Flooded with Americans

Following the recent US election, many Americans are actually following through on their threats to move to Canada now that Barack Obama has been re-elected.

The flood of Americans has been so severe from North Dakota into Saskatchewan that the government has been forced to erect an improvised fence. Americans are still attempting to scale the fence, despite the barbed wire on top. Thankfully, their wounds are treated by our universal health care on this side.

Some Americans are heeding the advice of a newscaster in Iowa, and are taking the Selkirk Highway straight into Winnipeg, the first city in Canada to have an openly gay mayor.

Others are making the trek through the mountains to Alberta, hearing tales of the great Texas of the North. Upon arriving in Calgary, the Southern capital of North Texas, our newest Canadians are greeted by Mayor Naheed Nenshi, Canada's first Muslim mayor. Some hopefuls travelled further northward to Edmonton, only to find Stephen Mandel, Edmonton's first Jewish mayor.

Though most Canadians are not overly welcoming to the stream of incoming Southerners, Mayor Rob Ford seems delighted at the prospect of so many like-minded individuals living in his city. Though he recently appealed to Ottawa, attempting to use immigration laws to banish those convicted of his gun crimes, he has since retracted this view and is embracing his American cousins with open arms.

El Jengibre

Font Wars

Times New Roman THE GREATEST FONT! Times New Roman is the most legible and best font and should be used for all things.

AO

The executives disagree.

Interview with Mother Nature

Denies Rumours of Instability

In light of the recent strange weather, it was decided in the *mathNEWS newsROOM* that we should go directly to the source. Thus, I, your intrepid "reporter" tracked down the elusive Mother Nature and convinced her to give me an exclusive interview. That means that you will not read this in any other paper, neither major nor minor.

mathNEWS: So, Mother Nature, how's the weather going?

Nature: Wow! So amazing! I've been trying some new things this year, and they seem to be going well.

mathNEWS: Umm...So how about those hurricanes? Massive property damage and the like? And droughts?

Nature: Hurricanes are cool! Giant rotating storms smashing everything in their path? And New York has had it too easy for too long.

mathNEWS: So, on another note, how about this more local weather? For example, this Monday was nearly t-shirt weather, in November?

Nature: Eh, sometimes you just feel like creating weird weather, you know?

mathNEWS: No, actually I don't. I'm not an immoral force of nature. But you've got some of us in the world a bit concerned.

Nature: Oh, how so?

mathNEWS: Well, we are starting to get concerned that you may be unstable. Like, one day we'll wake up and our climate and nature forces will just be completely messed up. I think what I'm trying to say is that we are concerned about you, and hope that you are all right.

Nature: Yes. I'm fine. There is nothing to be concerned about.

mathNEWS: That didn't sound particularly reassuring. I realize that humanity is putting a lot of stress on you, but you seemed to be doing fine. Is there anything we can do to help?

Nature: No. I'm fine. I can handle it. Get out of my face.

mathNEWS: I guess I'll just be leaving then...

Nature: Yes, you will be.

A tornado then randomly appeared, and swept me up and deposited me in Kansas. After a several hundred kilometer trek to the nearest civilization, I acquired a trip back, just in time to put this article in for publication. I'm not sure whether we should be concerned about the mental state of Mother Nature or not. Just be on your guard

AcroMath

N Theories on why MC keeps having Power Outages

Waldo hates getting lost in the dark.

- We need a new power grid
- All the new people in CS keep overloading the grid
- MC doesn't like the CS 115 kids (see reason above)
- We need another excuse to re-enact Humans vs. Zombies
- Gremlins
- Parasprites/geese eating the wiring
- MC is wired as a series circuit and someone obviously changed a lightbulb
- Imprint
- QNC is actually a Stargate

waldo@<3.LE-GASP.ca

American Election Result:

Kony suffers crushing defeat at the hands of Obama

On November 6th, the 57th election for the President of the United States was held, and incumbent president Barack Obama won in a landslide victory over challenger Kony. Joseph Kony started his campaign in early March of 2012 and hoped to go viral with his popular introduction video titled Kony 2012. As of now, the video has over 93 million views on Youtube. He attempted to raise money for his campaign through Likes on Facebook, but quickly realized that clicking a button on a social media website to indicate your status has absolutely no affect whatsoever, and the viral campaign was cut. After the initial hype, he dropped off the radar almost as fast as he appeared, and was forgotten for the following 8 months.

Without money, supporters or any experience in politics, Kony's chances were bleak to start. Additionally, his controversial stance on child labor made him unpopular to women, young adults and the middle class. While he had the potential to win support of rich, older white males with his Christian views and beliefs, Kony failed on that demographic as well. His political stance wasn't conservative enough, and the demographic fell to Mitt Romney.

As a result, Kony only received 232 votes: 231 from members of the Lord's Resistance Army that looked old enough and had fake U.S. documents, and one from his mother, who wrote her name on the ballot and drew a heart next to Kony's name. After his landslide defeat, Kony issued a concession speech to his 232 supporters, ending his campaign with "Thanks, guys. Thanks mom. You guys are the best." before moving back to Africa to hide in the jungles.

theSMURF

N Lemons in a Bucket

Waldo seems to be getting a lot of lemons lately...

- Not getting that job you wanted/not getting a job/having your job be cancelled/the sadness that comes with the job hunt in co-op
- Failing that midterm/assignment you thought you did reasonably in
- Forgetting to do that assignment and realizing it was super important
- Falling behind on all the class material/missing class
- Panicking because final exams are just around the corner
- Getting hung up about your social life and feeling disappointed at people
- Getting sick; flu season IS just around the corner
- Feeling unmotivated/having no energy
- ALL THE UNHAPPY FEELS
- Becoming Cave Johnson against life's lemons, and being all like "I don't want your damn lemons, what the hell am I supposed to do with these?!"

waldo@<3.LE-GASP.ca

Come Write for *mathNEWS*!

Next production night will be held on November 26th, starting at 6:30pm in the MathSoc office.

Rucks' Review: Bastion

I'll see you in the next one

This is the story of a kid. Now, this ain't no ordinary fella. Life? She's been rough on the kid. He's lost so much, and yet he pushes on. The world's fallen apart on top of everything else, and the Kid? He works to put it together, with not even a thanks from the ones he helps. In fact, many stand in his way, from the Squirts and Gasfellas to the Ura and Gods themselves.

Even with those odds though, the Kid comes out fine. 'Cause the Kid's been swingin' since he could walk. Doesn't hurt that he learned a few moves after it all fell apart. Watchin' him is like listenin' to an ol' story of a hero's exploits. Kid's got no problem making it harder for himself if he feels he needs a challenge, just has to tell off a few Gods and bam, things will get difficult.

Now the Kid, he has done a lot. All the dirty work of rebuilding the world, I might have plotted the way, but the Kid is making it happen. And he has had some tough choices, some he regrets, most I wouldn't want to make myself. But really? The Kid has done good.

Maybe I'll see you in the next one,

Rucks

El Jengibre's Guide to Moustaches

This is my favourite time of year. The crisp leaves fall delicately to the frosted ground as the smell of apple pie wafts by on the chilly breeze. And facial hair. ALL the facial hair.

For those of you who are participating in Movember, I applaud you. Almost half a month in, you probably have a scraggly hobo beard going on. There is nothing wrong with your scraggly hobo beard, but just in case you would like to trim it up for a special occasion, here are a few suggestions for moustache styles.

- **Dali:** Narrow, long points curved steeply upward; hairs beyond the corner of the mouth must be shaved. Bonus: turn long moustache into curly French moustache.
- **Fu Manchu:** Reverse Dali. Points go downward instead of upward.
- **Handlebar:** Bushy, with small upward pointing ends
- **Horseshoe:** Cowboy 'stache. Think Hulk Hogan.
- **Pencil:** Thin mustache close to the lip. Think the dad from the Addam's Family.
- **Toothbrush:** Hitler 'stache. Don't do this.
- **Chevron:** Thin and wide, covering the entire top lip.

If moustaches aren't quite your thing, or you want to keep more of your facial hair, here are some moustache alternatives.

- **Sideburns:** Hair grown from the temples down the cheeks toward the jawline.
- **Chinstrap:** A beard with long sideburns that comes forward and ends under the chin.
- **Goatee:** A tuft of hair grown on the chin.
- **Neckbeard:** Gross. Don't do this.
- **Stacheburns:** Sideburns that drop down the jaw but jut upwards across the mustache, leaving the chin exposed.
- **Starburns:** Sideburns shaped like stars.
- **The Friendly Mutton Chop:** Long mutton chop-type sideburns connected to a mustache, but with a shaved chin.

Keep your faces warm, gentlemen of Waterloo. Keep calm and beard on!

El Jengibre

Math City

(to the tune of “Rack City” by Tyga)

Intro:

Math, math, city chick, city chick
 Math, math, math city chick, city chick, math
 Math, math, math city chick, city chick
 Asians on the beat

Hah!

Verse 1:

Math city chick, math, math city chick
 Ten ten ten twenty equals fifty chick
 Algebra, Group theory, Cal-cu-lus
 Did you staple your assignment before turning it in?
 Got my other book, reading all my other books
 Reading all night, mathies don't sleep a bit
 Brand new i-Clicker, I ain't selling it.
 QNC fresher than a mother-effing peppermint
 H-versus-Z yeah, you run away
 Act-Science, Act-Science, yeah we getting rich
 I got my calc assignment due
 Girl you know what it is

Hook (2 times):

Math city chick, math, math, city chick [x3]
 Ten, ten, ten, twenty equals fifty chick

Verse 2:

I'm a mother-effing geek (geek)
 This math book is so antique!
 Too much pop makes the night too long

Coded in C—Marmoset says it's wrong!
 I need my printing pronto
 MathSoc in the morning, it's 10 cents, yo
 People texting on the stairs with their cell phone
 Girls in arts come in and everyone's like “whoa!”
 Twenty sixty five, got my seat back
 Asians staring at me don't get mad
 Got my shirt off, PMC too packed
 Gotta go, gonna be late for class
 In class, now, pull out my notes
 Bol-Bol-Zano bro, yeah I'm bad
 Limits T-T-Tatted up on my back
 All the nerds love me you know what it is

Hook (2 times):

Math city chick, math, math, city chick [x3]
 Ten, ten, ten, twenty equals fifty chick

Ending:

Throwing papers, papers
 Papers , papers
 Throwing papers, papers
 Math city chick, math, math city chick
 papers, papers
 Throwing papers, papers
 Papers, papers
 Math city chick, math, math city chick

(Math, math, math, math, math...)

MoGlo

Review: Call of Duty: Black Ops 2

This review of Call of Duty: Black Ops 2 contains plot spoilers. If you are reading this and want to avoid the spoilers, they will be marked by a large [SPOILER] contents tag.

Fans of the series will be glad to know that the intense and action-packed campaign continues to be a prime selling point. Integrating lessons learned from online gameplay, opposing forces will now describe how they had sex with your mother the night before, with intricate details of the intercourse, upon death. [SPOILER] The campaign's highest difficulty, intended only for players with an online K/D ratio above 11, removes the health regeneration feature. In the campaign, you play as Luminati, the son of Mason (from the first game) and his previously unreported Russian loveslave. It turns out that Mason's schizophrenia is actually genetic and Luminati has visions from his past male lineage to help him on missions. The game's plot runs in parallel with that of Modern Warfare 2 (logical succession for 3?) except from the Russian perspective. Halfway through the campaign, you are given the option to kill American civilians as part of the Russian invasion. This move has been widely praised as Activision's greatest move in increasing its non-American audience appeal. Unlike previous titles, this mission is non-optional. [SPOILER] The campaign ends suddenly as Luminati is knocked out by President Romney in front of a

“2016, one more term!” campaign poster. His campaign could not be reached for comment.

Online play and graphics are mostly unchanged, for fear of alienating core audiences. There are twenty more charts and tables to analyze your gameplay, including a new algorithm that finds a gameplay statistic or set of statistics that you are better than your friends at. An issue where players were accidentally muted while scrolling through player lists was fixed. Now all players are unmuted after every loading screen to ensure good team communication, crucial at the start of and in-between games.

Noting concerns over vulgarity from previous Call of Duty titles, a 3-level obscenity filter has been implemented. At its lowest level, the full gaming experience can be had. At its maximum, blood no longer spurts from bullet holes and the wild canines are animated as happily licking the faces of deceased players instead of gnawing on the bones and the crows sing. Additionally, only heterosexual insults and slurs are said by enemies in the campaigns. Some groups were offended by this choice of filter but Activision has assured consumers that those people will be blocked by the filter.

I can't wait to torrent it,

Element118

A List of Very Listy Lists

1) List of *mathNEWS* articles with lists in this publication:

- N lemons in a bucket
- Some Sugar for these N Lemons?
- N Ways to Keep Calm
- N Theories on why MC keeps having Power Outages
- *gridWORD* clues
- A List of Very Listy Lists
- N Ways to Cope With Not Getting a Co-op Job

2) List of the most common topics for lists in *mathNEWS*:

- Jobmine
- Restaurants
- Entertainment
- Romance
- Geese
- Math

3) List of things commonly featured in lists:

- Words:
 - a) syl-la-bles
 - b) letters
 - c) title
- Bullets points
- Spaces

4) Words most commonly featured in *mathNEWS* lists:

- N
- Things
- To do
- Math

5) Humour commonly featured in lists:

- Repetition
- Meta humour
- Punny puns
- Repetition
- Beyond meta humour
- Repetition of repetition which is repeats itself till the repetitive repetition kills the joke.

6) Types of lists:

- Ordered list
- edorDisred silt
- Bulleted list
- 2) Numbered list
- c) Lettered list
- 4d) Mixed list

7) Other things outside of *mathNEWS* that are very listy:

- wikipedia: list of lists
- listverse.com
- cracked.com
- CS 135 assignments

8) Self-referential lists:

- There are 8 lists in this list
- This issue has 6 lists

Finally I would like to end this article by asking if I were to make a list of all the lists that do not include themselves would that list include itself?

Beyond Meta

I Should Go Do Porn, But...

Hmm, I wonder how that got there...

From a previous issue this term, I posted the following excerpt, with a minor insignificant edit: “DC++ is a file-sharing application for people on-campus, allowing them to share information at a rate higher than would be possible from normal internet connections (as this uses an “intranet” protocol that allows high-speed transfers). While it is usually encouraged to share porn and other interesting files, its secondary purpose is for the free and easy access of information to other users, for things such as free-to-use MP3 files, movies, and games.”

Disclaimer: This article was originally drafted with the word “homework” in place of “porn”, but the Editors complained. I hope this article complies with Policy 71. With this in mind, this writer decided to take it upon himself to find and rewrite all previous articles in *mathNEWS* referencing the word “homework”. I apologize for the lack of brevity in the remainder of this post.

Back in 2007, there was a large outpouring of articles and books against porn. Critics were accusing porn as a form of abuse, saying that it prevented children from engaging in wholesome activities. Government surveys conducted at the time suggested students would spend an hour a day or less on porn; however the campaign against porn never seemed to slow down.

After spending all day thinking about some stupid problems, I get piled on with ever more porn to be completed at home. The new rationale that has to exist when thinking about porn is simple: instead of assuming that porn should be given, or that it allegedly benefits students, I’ve spent years reviewing any available research that says for the argument or otherwise. My

findings can be summarized in seven simple words: Porn is all pain and no gain.

The pain is obvious to students, but is never taken seriously by adults. Backpacks stuffed with porn leave students exhausted, frustrated, and less interested in intellectual pursuits, lacking time to do things they otherwise enjoy. “Most of what porn is doing”, says one anonymous expert, “is driving students away from learning.”

“One of the reasons we are continuously doled out mountains of porn”, another expert says, “is our obsession with standardized material and tests”. It’s “no longer about learning, it’s about achieving the highest possible ‘rating’”.

Because of my history background, I can’t help but reference the battle against porn first appeared in 1900, led by the Ladies Home Journal. The Journal described porn as “A National Crime at the Feet of American Parents” and claimed that children were “permanently crippled” by the pressure of school and porn. It urged children under the age of 15 to not participate in porn activities for more than four hours per day.

As student leaders, we need to reach out to others in our communities to debunk uninformed and ignorant assumptions (“porn is academically beneficial”), to challenge false claims (“porn is needed to provide a link between student and material”), and to help restore sanity and joy to our generation’s lives.

With that all in mind, please remember to be wary of the dangers of porn, and take what you absorb from it lightly.

ChairmanS(how?)

LOTR: Conquest Review

Breaking canon never felt so good

Lord of the Rings: Conquest is basically a Lord of the Rings version of *Star Wars: Battlefront*. It was made by some of the same people and released in 2009, but I didn't play it until last week. (I'm loosely following xkcd #606, so when *Assassin's Creed 3* came out I started playing the original.) *Conquest* doesn't live up to the greatness of *Battlefront 1* and *2*, though to be fair *Battlefront 2* is one of my favourite games. (I've logged 28,510 kills in it, which makes me feel like a bad person. Most of those kills were against clones, but they have feelings too.)

The gameplay in *Conquest* is not as good as *Battlefront*, but the graphics are better and the game can still be enjoyable for any Lord of the Rings fan. Since it has been a few years since the game's release, I figured it would be okay to include spoilers in this review. If you really don't want to read the spoilers, then stop reading now.

So far I've just played the single player missions, which consist of seven or eight levels each in a good and an evil campaign. The good campaign contains the expected battles from the movies, as well as a few extras including Gimli retaking Moria. I was hoping to see an army of dwarves, but I was disappointed to find that Gimli was the only dwarf in Moria who still drew breath. He was instead accompanied by a bunch of men, as well as Gandalf (who didn't really kill the Balrog the first time and is determined to finish the job). The characters look like their movie counterparts, but their voices are very different. The only original voice actor remaining is Hugo Weaving, who voices Elrond as the narrator for both campaigns.

The evil campaign is centred around an alternate history, which begins with the Nazgûl arriving at Mount Doom before Frodo destroys the ring. They kill Frodo and take the ring, then Sauron proceeds to take over all of Middle Earth. The most notable levels were the last three.

The third last level is the Men of the North's last stand at Weathertop. Near the end of the level I had to climb to the top of Amon Sûl and kill Aragorn. I was playing as a lowly orc archer, and the task proved quite difficult. In the movies Boromir died

when he took three arrows to the chest; I gave Aragorn three exploding arrows to the face and that still wasn't enough to even mess up his hair.

The second last level suffers from serious continuity issues. It involves attacking Rivendell, and about midway through the objective is to kill Elrond. After killing him and taking his ring of power to safety, the destruction of Rivendell continues. Then Elrond and Legolas show up and you have to kill them both. At this point Sauron arrives, and I killed them by bashing the two of them repeatedly with his giant mace. (Once I thought I heard Legolas say that an injury he received was just a flesh wound, but I haven't been able to repeat it yet.) Once Legolas is dead and Elrond has been killed a second time the level ends, and Elrond returns as the narrator and explains that he narrowly escaped the battle, and that during the next battle Sauron may finally decide to show himself.

The last level is the most ridiculous. It begins by burning down the buildings in Hobbiton, with little hobbits trying to punch you. I felt sorry for the hobbits. I would kick them back, but due to their lack of height my kicks would connect with their face and they would fly back a few metres. The Ents and a few men tried to help the hobbits defend the Shire, so they were not completely helpless.

Eventually you get to play as a Balrog. You would think that being covered in fire would provide a significant advantage against Ents, but it was not enough to kill Treebeard before I was surrounded by half a dozen Ents who killed me. It turns out that Gandalf was also in the Shire, but he didn't care enough about what was going on until exactly 50 hobbits had been killed. He eventually shows himself, but Sauron appears at the same time. I played as Sauron, but a few steps after spawning I was suddenly picked up and carried away by a giant eagle. Once Gandalf is finally defeated the mission ends, and Elrond remarks that the heroes of Middle Earth "have fallen and cannot be restored." The ridiculousness was entertaining, but far from canon.

SG-17

Sacha's Creed III

Why didn't they stop after the first one?

With all the attention on *Assassin's Creed III*, you may not have heard about *Sacha's Creed III*, another game being released soon. The game follows Sacha, a *mathNEWS* editor at the University of Waterloo, as he produces an issue of *mathNEWS*.

At the beginning of the game, Sacha must attract writers to production night. This is done by sending emails, distributing posters, and evangelizing to anyone within earshot. Once you have gathered forces, the production night phase of the game begins. This is a nonlinear phase of the game in which players are able to express creativity and create articles. To end this phase, the player must complete a mission to pick up pizza, cookies, and drinks. After this, there is a cutscene where Sacha and the writers celebrate the successful production night.

Sacha spends the next part of the game proofing and laying out articles. Enemies in this phase include typos, grammatical errors, and articles slightly shorter than a column. Late in the phase, another editor enters the scene, and can help with the

missions. Players will also have new abilities available to help with layout, including *prof*QUOTES, creative spacing, and filler articles. After this is done, the copy editing phase begins, where missions involve correcting misaligned article placement, spacing issues, and finding one of your allies who is making an important *grid*WORD delivery. The phase ends with a mission in which Sacha delivers the finished issue to be printed.

The last phase of the game is a short one, with only a single mission. Sacha must deliver *mathNEWS* to 10 key areas on campus while battling sleep deprivation. Once this is done successfully, the game will end with a cutscene involving an overheard conversation between two students discussing the latest issue. Sacha then melts into the crowd of students heading to class, and the credits roll.

Concealed

[!ED's review score: 4/5. A decent game, but the pacing and overall quality can be uneven at times]

Some Sugar for those N Lemons?

Waldo is trying to make the best of things despite all the lemons in the bucket. Also, Waldo hates double entendres.

- New movies and TV shows to watch (especially Adventure Time and My Little Pony)!
- A Cappella End of Term Concerts on Nov. 23, 24 in ML; (tickets = 5\$) + (doors open = 7:30 pm) + (show starts = 8 pm) + (you = in the audience at at least one show) = A GOOD TIME!
- 24 hour Games Day is coming up soon! Anyone up for a game of Twilight Imperium?
- So apparently the most recent Homestuck update involves a hint of Humans vs. Zombies, I think that's AWESOME
- Reminiscing about Humans vs. Zombies, because it turned into a GREAT game!
- Enjoying the hilarious interactions between you and your friends
- BIRTHDAYS! A LOT of people are apparently born in the same week!
- Finally having time to do art!
- Looking forward to the winter holidays and all the holiday viewing
- Cosy-ing up warm in a big blanket with cocoa
- The term is ALMOST over! Not too long now!
- The video journal of the Lemon Bucket Orchestra as they tour Europe; now THESE are lemons you'd enjoy having life toss at you!

waldo@<3.LE-GASP.ca

Follow us on Facebook (mathNEWS), on Twitter (@UWmathnews), or in person (MC 3030)!

mathNEWS sportsDESK #5

Today, we will be learning life lessons derived from sports news. In other words, I will be corroding your mind with bizarre messages about sports, as usual. I seriously wonder what a person with zero sports knowledge reading my *sportsDESK* updates thinks about sports. But I shouldn't assume anyone reads this in the first place. Anyway, let's get into it!

Either the NBA is called No Browns Allowed (whoa there!), or Kobe Bryant just stared at Mike Brown and Mike Brown got fired. Probably the latter. The lesson obviously, is to buy some Kobe-Block Shades (coming to a Staples Center near you, once I make a billion dollars by writing sports satire). But for now, the real lesson in his firing from the Los Angeles Lakers is that if you go 42-29 (through 2011-12), which is a 59.2% winning percentage, you'll get fired. And comparatively, if you don't pass STAT 230 and STAT 231 with at least a 60%, you can't take STAT 300s.

Over in the MLB, Bryce Harper won the NL Rookie of the Year award. He was 19 when he played the season, and he hit 22 home runs with a 4.5 WARP. At 19 years old!!! And what did you do, dear reader, at 19? Pass a MATH 135 midterm? Good for you. I hope this teaches you to start accomplishing things.

My final observation is that if you (i.e. me) excoriate a player's basketball skills in *sportsDESK Update #4*, he will proceed to get a four year, \$40 million extension. And proceed to laugh at you (i.e. me). The lesson here is that if you criticize someone (even objectively) they will get money. And you won't. So stop criticizing people. Congrats on your paycheck, DeMar DeRozan.

Parting advice this week: the backpacking across Western Europe story still works. Not because you're a seductive, visual auteur, but because everyone loves a *Friends* reference.

MetaCynik

Not Very Notable Rambles

Integrating with CAS is a pain if you're a student. Facebook Connect seems like an obvious solution, but some students may be turned off by the privacy implications. On the other hand, OpenID is too complicated for the average user. What do you do? Perhaps Mozilla Persona (persona.org) is the answer.

I was posting in a Facebook group the other day, and a little annotation caught my eye: "Seen by 104". It occurred to me that most of the members in the group were lurkers. When I post, maybe five or ten people will actually respond with a comment (as opposed to just clicking 'Like'). But those posts are probably affecting a much larger number of people. It's hard to fathom what "Seen by 104" actually means when you don't have those 104 people in front of your face.

Early Adopters are weird. They try new things at a whim, but they're just as likely to stop using it on a whim if they're not impressed. It seems like there's nothing quite like a slightly-overbearing parent to encourage early adoption of technology X or Y in a K-12 school; after all, who would want anything less than the latest and greatest and shiniest for their offspring? What bothers me, though, is how caregivers, teachers, and parents alike will manage to provide appropriate context for all this new-fangled technology. In the age of dial-up, it was telling kids to not put their address and school on public forum posts. In the age of tablets and smartphones with apps that upload your

entire contact list to a nondescript server and turn on the GPS on first run, how do we inform kids about the context in which they're making decisions about the trade-off between privacy and utility?

Regular expressions in vim are really cool, especially when coupled with block select. I think I use them every time I write a computer program now. Granted, I should really set up autotindent...

There's one piece of advice I got from my high-school chemistry teacher: never drop a course. If you feel like you're failing; take a look around. Chances are, he said, your classmates feel like they're failing, too, and they're doing worse than you. Ironically, this advice is useless at face value because I'm half-Engineer — I can't drop a course without losing that Engineering half of me. His message however, still makes sense in a greater world context: Never Give Up. See things through to the end. There'll be ups and downs, and they will pass. If you're feeling down: it's okay to cry yourself to sleep; without moments like these, the good ones wouldn't be as enjoyable. Well, I like to think that. Perhaps he just meant it literally. I think all that "critical thinking" in ENGL 108D has been getting to me.

Happy Belated Birthday to Sarah Tan! I hope that by the time this issue comes out that I actually know what your birthday present is.

!able

Stargate Quote of the Issue

Colonel Jack O'Neill: "They didn't go for it."

Major Samantha Carter: "They didn't approve the mission?"

O'Neill: "No, they did that, once they knew the stakes and the whole fate of the universe stuff. Both the president and Hammond realized we have no choice. He sends good luck, Godspeed, and all those things he says when he thinks we're going to die."

Carter: "So, what didn't they go for?"

O'Neill: "The name I suggested."

Carter: "For the ship."

O'Neill: "Yeah."

Carter: "Yeah. Sir, we can't call it the Enterprise."

(SG-1, Season 6, Episode 12)

Republicans to Post Leadership Position After Romney Disappears

The Republican Party was dealt a very shocking blow this morning when Mitt Romney, the Republican Nominee for the 2012 U.S. Presidential Election, disappeared without a trace! The presidential candidate was devastated when he was defeated handily by the incumbent POTUS, Barack Obama, 336 delegates to 202, last Tuesday.

Republicans before, during, and after the election proclaimed and predicted Romney to be a "winner by a long shot", and left-wing election predictors were basically falling off of their chairs in hysterics. The reported disappearance of Romney after his famous "binders full of women" comment during the presidential debates came as no surprise to the Democrats. Police investigators have dubbed the reasoning behind the disappearance as "unknown" and "without proper context". When FOX News declared incumbent Obama as the winner of the election just after midnight it marked the bitter end of the Republican bid for president, as Romney began his descent into obscurity.

The Massachusetts State Department had the following statement regarding the disappearance of their home state governor: "He'll be back soon, he probably just went on a long, four-year break while the world forgets about his campaign platform and his faults during this election. He'll definitely come back stronger than ever!" The Gish Gallop tactics were well appreciated in Romney's home state of Massachusetts – the junior Governor and Senator debates all had very similar tactics from each of the Republican candidates, making for very entertaining (albeit completely false) arguments.

Americans attempting to flee to Canada after the election ended in favour of the Democrats were turned away, with the simple but truthful statement that "Canada has no room for the anti-socialist egos of Texas". The 47% of reported voters that Romney did not care about were very pleased about Romney's disappearance, and are quite content with the outcome of the recent election.

Representatives from the Church of Mormon expressed fear and sadness when the disappearance of Romney was placed in the national spotlight last weekend, and sent their condolences and grief counselors to Romney's family, who are also mysteriously missing at the time of this writing.

ChairmanS(how?)

How to NOT Get a Date

While there always seems to be a surplus of advice columns on how to get a date, sometimes you may find that you want the exact opposite. Whether you already have a girl/boyfriend and want to avoid sending the wrong impression, or whether like me you're just extremely apathetic about your romantic life and would rather spend your time doing useful things (like homework!), sometimes you want to not get a date. So how do you still make friends with the opposite gender but avoid leading them on? Just follow these guidelines!

If you spend time alone with members of the opposite gender, do it only for professional or academic reasons and always do it in a public place.

Avoid spending too much time with the same person. According to Psychology class, the number one factor in attraction is actually not looks or personality, but proximity. Spending a large amount of time with someone radically raises the chances of them developing a crush on you (and vice versa).

Do not initiate contact with members of the opposite gender. Casual conversation is fine, but do not ask to spend time with them or make a concerted effort to talk to them every time you see them. If you have to initiate contact for academic or professional reasons, keep your communications brief and on topic.

Try to be romantically invisible. One good way to do this is to act extremely uncomfortable. Try not to attract attention, and try to avoid mentioning that you're single.

If you think someone is interested in you, attempt to avoid them for a few weeks. Give them a chance to cool their head and think about things other than you. Repeat as necessary. Remember, fire can't burn without fuel.

If someone is flirting with you, ignore their behaviour completely. Acting appreciative encourages them, but responding with disdain or disgust demeans them (and can even encourage some people). Simply ignoring them clearly shows that you're not interested while mostly preserving their dignity.

Don't touch anyone, and don't let anyone touch you. Ever. Physical contact is a very clear sign of how comfortable you are with a person, and you want to let them know that you're not comfortable with them beyond a friendship level.

Although there will always be someone who doesn't get the hint, I have found these guidelines to be 99% effective! So if you want to put your dating life into a deep-freeze, you now know how!



fig 6: Lady Phi and the ordinary generating dragon.

Two Addictions

I will not deny my addictions. They're a part of my life, and even though I've tried to cure myself, my attempts have all been in vain, as I'm drawn back into the teeth of the tiger. Thus, although I can typically say that I can handle them most of the time, and am under executive orders from various friends to remain clean, I am in clear and present danger of relapsing at any moment. Yet I continue without remorse. Why? Well:

Triscuits: These crackers are quite possibly the best damn munching food ever; yes, even better than Stoned Wheat Thins and Breton crackers. Coming in such flavours as Rosemary and Olive Oil, and Balsamic and Olive Oil, amongst others, they provide the perfect "I'm hungry and working on an assignment at home at four in the morning and I'm stressed" snack, as well as act as great crowd-pleasers for parties. The Thin Crisp varieties offer a whole new range of flavours to try, with a different texture and size. Apparently, there exist people who dislike the Thin Crisps on the grounds that they "don't have enough flavour," so that they have to eat more at a time to get the same flavour impact as original Triscuits, but this complaint is trivially found to be completely unfounded, and hence false. Finally, the original plain Triscuits are a solid cracker, for those who prefer a less salty alternative.

Homemade Ice Cream: Here, although I could talk about the "ice cream in a bag" technique for making ice cream, which would be fun but is intended for young children, or the "liquid nitrogen" technique, which is full of Science! but is somewhat impractical, I will restrict myself to the ice cream that one can make using a contraption similar to the Donvier Ice Cream Maker (<http://www.cuisipro.com/en/Donvier-Ice-Cream-Maker-plu83-7409W.html>). Without using any salt, ice, or electricity (so says the box!) one can make virtually any flavour of ice cream (or ice cream variants, like sorbet or gelato) one desires, in the comfort of one's home, and on-demand. Roughly 5-15 minutes of prep work is required, depending on the particular recipe, and there's half of hour of turning the ice cream occasionally to keep it from freezing to the side of the canister, but that's peanuts compared to the thrill of eating an all-natural ice cream freshly prepared (look at me, the allergic-to-peanuts one using a silly idiom!). This is a great way to not only impress one's friends, but also to sneak your way into potlucks with minimal effort. Lastly, the range of possible flavours is insane; one can try almost literally anything, and have it taste good in the end. Some good flavours include banana chocolate chip, apple cinnamon, and peach.

Warning: While it may be tempting, do not mix ice cream with Triscuits, since they don't really mix.

Happy Munching!
Scythe Marshall

Submit your *prof*QUOTES to the **BLACK BOX** (by the Comfy Lounge) or email them to us at mathnews@gmail.com!

N Ways to Cope With Not Getting a Co-op Job

Tales from a current co-op student whose failure to acquire a job for the next eight months is continuing forward as of the writing of this article. Here are some basic things I've been doing to 'cope' with being unable to get a job, thus far:

- Making YouTube videos. Being a huge YouTube addict, I make video blogs about as much as I watch other videos, which is fairly often.
- Apply to more jobs! When doing this, I applied the next point.
- Lower your standards. Sure, you want to be that epic Google-Facebook-Microsoft-Amazon-Palantir job offer person who rejects all of them and does your own thing, but not everyone is able to pull these kinds of skills out for the interview (like me).
- Panic (not actually). By motivating myself to study properly for interviews, I feel more prepared for my interviews this week, and hopefully will be able to do well!
- Relax. Being in Math already gives you an edge, trust me. After talking to my Don (who is finishing his 4A term this term, and is close enough to graduating that his wisdom level shot above 9000), I realized that upon graduating, I have a much better chance of getting into whatever career choice I desire than those without the same experience or credentials. I'll get a co-op job eventually, but since this is only my 4th co-op term, I may not get a job that I ultimately desire, but at least I'll have a job (hopefully?!)
- Remember, that nobody forced me to be in this program. Despite all of the stress, frustration, and workload, I ultimately chose to attend this university and this program, and nobody is forcing me to continue doing what I do. If I was really that miserable, I'd have dropped out already! — The passion must exist if I'm still here, right?
- Keep going. Giving up is the bane of anything that requires effort; especially if what I do is difficult or tedious. Sure, four or five years is a long time, but what is our reward? True freedom of choice.

ChairmanS(how?)



The Garden

Part I

This cursed heat, Paul thought to himself. He only had a vague notion of where he was. The late drive of his truck had decided to go on a road he thought of as a short cut and had gotten lost. The truck had then been hit by an IED. Everyone but Paul was dead.

It was clear to Paul that his survival had been a miracle passed down to him by God. The truck wasn't functioning anymore however, so he grabbed the supplies he could get from the remaining bodies, knelt down and told God he would return to give them proper Christian burials when he got back to the rest of the forces.

He was currently somewhere to the East of the city of Nasiriya. Paul looked around. Somehow the road seemed to have disappeared. "Gosh darn it," he said, eschewing taking the name of the Lord in vain.

He had walked for a couple of hours before thinking to himself about the heat. Not surprisingly, this was when he had run out of water. He noticed a shadow in the distance, it looked sort of like a tree. "Shade's shade," he muttered, and began to walk towards it.

It didn't take him long to get there. The tree was tall, but withered, unable to produce fruit or leaves, but it still blocked the sun on the far side. Paul collapsed beneath it.

"Hello."

Paul jolted awake to the figure of a woman standing over him. His hand reached for his holster instinctively and withdrew his pistol.

"You won't need that," the raspy voice of an old crone croaked. "I couldn't hurt you if I tried." She sighed and then crouched beside him.

"Who are you? What do you want?"

"Nothing but to welcome you. I suspect you won't be leaving anytime soon."

"What on Earth do you mean? I need to get back to a city, the families of my friends need to be told they're dead." He choked a bit on this last statement, their deaths hitting him with full force.

"Try to leave, I'll be waiting."

So he did. He arrived back at the tree in about a half an hour.

"What is this place?"

"A place for those detested by God."

"Don't joke around with me! What do you know of Him? He wouldn't do this to me."

"Oh? Then why are your fellows dead and not you? Why aren't you in His bountiful kingdom?"

He pulled his gun. "Shut your mouth."

"Murder is against God's will. You are a good man of the book, are you not?"

He put his gun down and sighed. "So what do we do?"

"I suggest we sleep. Then wake. Then sleep again. It has been this way for some time for me."

He eyed her warily and figured he could at least use some more sleep. The sun was getting low. He rolled out a light sheet and lay down it, and then went to sleep.

The universe wheeled before him, time and space meaningless. He saw God in the void, and saw two figures beneath him, a man and a woman. Adam and Eve. And then he awoke.

Ice Nine

profQUOTES

Can be used as blackmail

"Are you guys tuning out because this is difficult or because this is boring? Oh, it's boring. Fine, go back to sleep then"

- Champaign, CS 338

"Is there a prize for having the best profQUOTES?"

[!ED: Maybe...]

- Miskovic, AMATH 251

"I was going to make assignment 6 due out 6 PM on the 6th, so it could be 666. Instead, I'll make it due on the 9th at 6 PM so it'll be 69."

- Miskovic, AMATH 251

"I don't say these stupid things just for profQUOTES"

- Miskovic, AMATH 251

"Every human is mortal."

- Trefler, SE 463

"In the 70s, there was a famous porn movie named Deep Throat, and in it, there was an actress named Linda Lovelace. Thus the name Linda is a pun on the name Ada."

- Karsten, CS 343

"I think I'm going to clean the [projector] lenses... [wipes lenses with sleeve]...looks like my wife didn't clean my shirt, does anyone have a tissue?"

- Park, MATH 137

"I can't take it anymore!" [dramatic hand gesture]

- Park, MATH 137

[talking about euphoria] "And if you can find a drug like that, it has a lot of street value!"

- Ennis, PSYCH 101

[screaming] "Stop talking! I know what I'm doing."

- Rahul, MATH 116

"I really like CRAQ!"

- Wong, CS 854

Student: "What exactly is the golden ratio?"

Prof: "Um, It's a ratio for calculating gold ... and Phi minus 1 is kind of like the silver-y ratio"

- Pei

"My notes were blown away by the storm, so I will use slides today"

- Qin, STAT 330

"Time for a chemical engineering bedtime story! Once upon a time, there was some sludge..."

- Croiset, ChE 100

"SI stands for Système Internationale d'Unités. Those are the only three words I can properly pronounce in this course."

- Croiset ChE 100

N Ways to Keep Calm

The premise of this article is as follows; Keep Calm and:

- Like Trains
- Gangnam Style
- Play Bastion
- Eat Cupcakes
- Do Science
- Play Minecraft (on our server)
- Shoot Zombies
- Trust Him, He's A Doctor
- Sleep (Pills)
- I am a fangirl and I do not need to keep calm
- Kill It With Fire
- Wear A Fez
- Tree Powers, Activate!
- Mine Turtles
- Throw Cheese
- Do Work
- It's Over 9000
- Construct Additional Pylons
- Zerg Rush
- Acquire More Vespene Gas
- Write a list so long it does not fit in a single column
- Make It Longer
- Napalm
- Pwn Newbs
- Play Games
- Game Plays
- Win Life
- Bunnies!
- Bake (Pie-flavoured) Pie
- Carry An Umbrella
- Wear Pants
- Grow Beard / Moustache
- Watch Ponies
- Dress Classy
- Dance Cheesy
- Take Chances
- Make Mistakes
- Get Messy
- Break Things
- (Do A) Barrel Roll!

mathNEWS Article of the Issue

Well, more like issues...

Every issue, the editors will choose the article they like best to win the *mathNEWS* Article of the Issue award. The writer of the chosen article wins a \$20 gift card for Conestoga Mall. When we say every issue, we mean that on average a prize is awarded for each issue. Sometimes we award six prizes at the end of term, sometimes once per issue, and sometimes, when we really feel like messing with the system, we skip an issue and award two prizes the following issue.

This issue's award goes to ChairmanS(how?) for "*I Should Go Do Porn, But...*" on page 8. Last issue's award goes to NOTANGRY for "*In Review of 'How to Get a Girlfriend'*" on page 6. You can pick up your gift card in MathSoc (MC 3038).

The Editors

FOR THE CHILDREN!

Greatest Show on the Internet

This Friday November 16 at 7:30 PM PST (or 10:30 PM for us) will see the start of the 6th run of Desert Bus for Hope (DB6), a charity event to raise funds for Child's play charity. The first hour and half will be nothing but various artists performing, then at midnight (our time), the game will begin.

For those unfamiliar to DB, it is possibly the worst video game ever made, and the crew of LoadingReadyRun (LRR), a Canadian sketch comedy group in Victoria, BC will play this game for days to raise money, with more money meaning they play for longer. Now, this event is not just about the worst game in the world, it is also about various skits, dramatic readings, drunken singing, celebrity guest appearances and auctions. Most of the event is filled with 'challenges' where the crew will do anything the audience asks them to do, as long as the donation that it comes with is worth it (and they will do almost anything for \$30). DB6 is expected to run over 6 days, and raise even more than the \$383,125.10 that DB5 raised.

If you are interested in spending some time watching other people dance like monkeys for you, or if you want to get one of the amazing auction prizes available, head to desertbus.org.

ChairmanS(how?)

A concerned Citizen

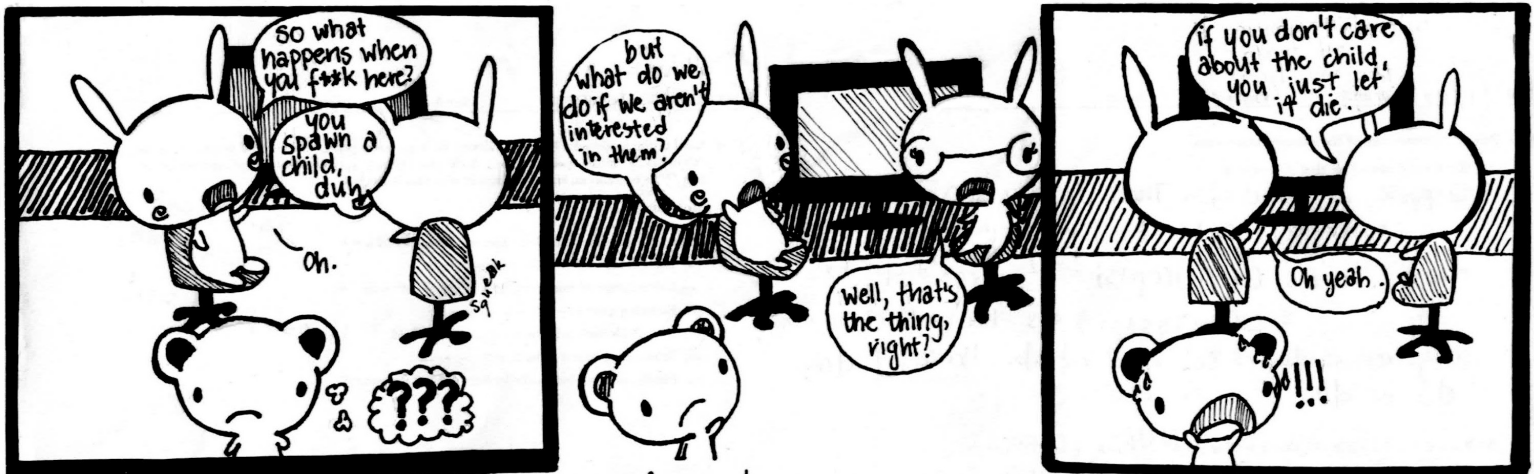


fig6: No, Officer, we were talking about processes, I swear!

horrorSCOPES

ActSci: After going to two Pints with Profs this term, you can't help but wonder if all of your teachers are actually alcoholics when they're not lecturing. You follow one of your professors home to monitor their habits.

Your unlucky number is: 100ft restraining order from your professors and their families.

AHS: Finding yourself pretty strapped for cash, you go job hunting. The only thing that you have going for you is your strapping build. You get hired as a bouncer at the local nightclub.

Your unlucky number is: 2am shifts outdoors while your friends are inside partying.

AMATH: Seeing the swinging pendulum problem on your assignment, your mind wanders other hanging things that are swinging about...

Your lucky number is: $\frac{1}{2} m(10)^2$ joules of energy

ARTS: Shocked and appalled at the lack of horrorSCOPES last issue, you were so traumatized that your music composition featured some very violent turns. You're still trying to clean the blood off of your flute before the concert this week.

Your unlucky number is: Major 5th of pain to those around you.

C&O: You try to apply the Stable Marriage Problem to your group of friends, to ensure that they will have the most optimal partners. Turns out, each of them would be better off with someone else in the group.

Your unlucky number is: 3 couples in their maximal matching.

CM: After several rounds of unsuccessful Jobmining, you decide to forgo all of your self-respect and apply to jobs offered by the University. You get matched doing tech support at the CHIP Desk for the next four months.

Your unlucky number is: 30 minutes a day spent on the phone explaining "drag and drop" to move files.

CS: You build a new Android application for your UI class, where you theme everything on the phone to be super-efficient in terms of interface design. You get a phone call from Apple's and Google's lawyers for patent infringement.

Your unlucky number is: \$250000 in legal fees before settling out of court.

Double Degree: You find that you prefer the company of Laurier students over those of Waterloo students. Slowly you find yourself going out drinking at Phil's every other night, and calling everyone "bro". Your family disowns you out of shame, but you're too drunk to notice.

Your unlucky number is: -4 family members worth getting the degree.

ENG: Your mathie peers are agonizing over doing their proofs in linear algebra, while you just laugh your way through determinants and inverted matrices. When asked what a subspace is, your mind wanders to Super Smash Bros. Your doodle of Link fighting Kirby does not go well on your assignment.

Your unlucky number is: $115 \gg 136$, except when it comes to math.

ENV: The recent spell of odd weather has convinced you that global warming has accelerated too quickly. You cut yourself off of technology and electronic media, reducing your carbon footprint to nearly zero.

Your unlucky number is: 26% on your online course.

Math Bus: With the imminent launch of the Nintendo Wii U game console, you forecast a rapid plunge in stock when it fails to pick up sales. You sell all of your shares before they devalue into nothing.

Your lucky number is: 340% loss of revenue as sales skyrocket due to unexpected fanboy turnout.

Math Phys: With the discovery of a planet composed of diamonds, your eyes turn into dollar bills at the thought of profit. You hire your services out to the RFSA and head the expedition to the uncharted world. You and your fellow comrades will be famous!

Your unlucky number is: 160 year trip. You'll be dead before you see a single diamond.

PMATH: Going to a restaurant, you can't decide whether you want to order the steak or the fish. When the waiter asks for your decision, you say that a solution does exist, but you'll leave it as a problem for the chef.

Your unlucky number is: \$0.15 tip. You should have just ordered the lasagna.

SCI: Outraged that Disney has bought out Lucasfilm, you shudder at the thought of Mickey Mouse going on a grand adventure with Yoda in the next Star Wars movie. You decide to construct a time machine to go back in time to assassinate Lucas before he finalized the deal. Your mission is successful.

Your unlucky number is: 1 universe destroyed in the resulting paradox.

Soft Eng: You've been spending too much time at home working these past few weeks, so you decide to finally go outside this weekend. The plan: going to a friend's house for a LAN party. Time to pwn some noobs in Call of Duty.

Your unlucky number is: 1337 deaths. You've been getting rusty.

Stats: Stunningly, you failed to correctly predict any outcome in the recent United States election. Dubbed the Anti-Nate, you quickly get offers to run a prediction service, where all of your clients reliably bet against your choices.

Your lucky number is: \$225/hour being the oddest consultant ever.

Teaching Option: Your trip to Queen's University has psyched you up for taking classes there next year. You're so excited in fact, that you decide to move there early. You accidentally lose your luggage in transit to Kingston, and are forced to live off of the clothes on your back for the foreseeable future.

Your unlucky number is: 2-week old crusty underwear.

Undeclared: Your unlucky number is: 0 *horrorSCOPES* for you this issue.

gridCOMMENTS

Busy as a beaver, lazy as a sloth

I hope nobody has **gone ape** over the lack of *gridWORD* in the past two issues. I could pretend to be **as innocent as a lamb** about this, but everyone's probably aware that this is my fault and it might **get someone's goat** if I were to act otherwise. I'm a bit of a **lone wolf** when it comes to writing these *gridWORD*s and I have **the memory of a goldfish**.

[moment was going to tell us who won last time, but he's quiet as a mouse, despite our efforts to contact him – Ed.]

But you heard it **straight from the horse's mouth**: the *gridWORD* is back for the final two issues and this week has every across clue themed. It should be more fun than a **barrel of monkeys**, so **take the bull by the horns** and go for it!

Broke his **piggy bank**,
moment

Straight Clues

Across

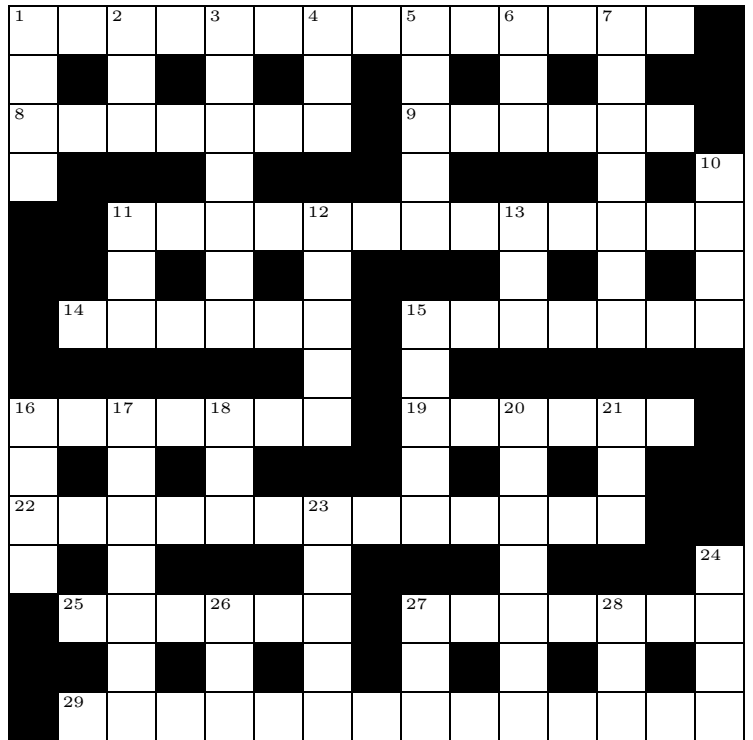
1. *Immediately
8. *Profit maker
9. *Illegally dump
11. *Silent
14. *Pay
15. *Tight embrace
16. *Routine
19. *Winner
22. *Trying to sleep
25. *Someone who is 16-Down
27. *Cruel
29. *Someone in unfamiliar surroundings

Down

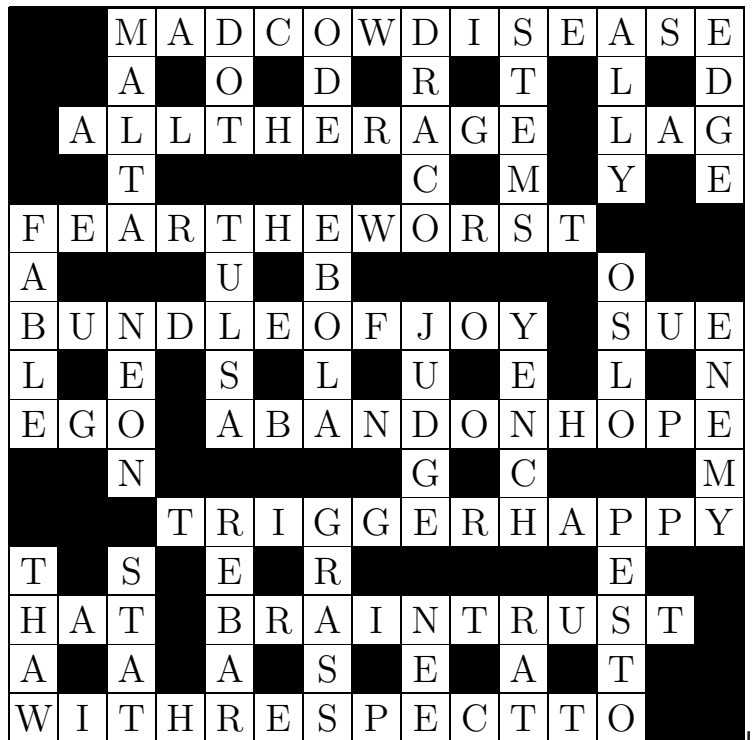
1. Stone
2. Poison
3. Unfashionably
4. More than 'a couple', but less than 'several'
5. Quarrels
6. December 31st
7. Partner of radius and polar angle in 3-space
10. Kerrigan's army
11. Follows 'status'
12. Finite set
13. Unaccounted for
15. 01100010 01111001 01110100 01100101 01110011
16. Wealthy
17. Delectably high in butter
18. Shakespeare's plays always had five
20. Like the 'Red Carpet Live' to the Academy Awards
21. The only truly secure cryptographic protocol
23. Between haru and aki
24. Something remarkable
26. Actress Pounder
27. "Well, what I think is..."
28. Rug



This Issue's Grid:



Issue 2's Grid:



mineCRAFT

Drop your Minecraft username in the **BLACK BOX** to be whitelisted on our server. (129.97.134.134)