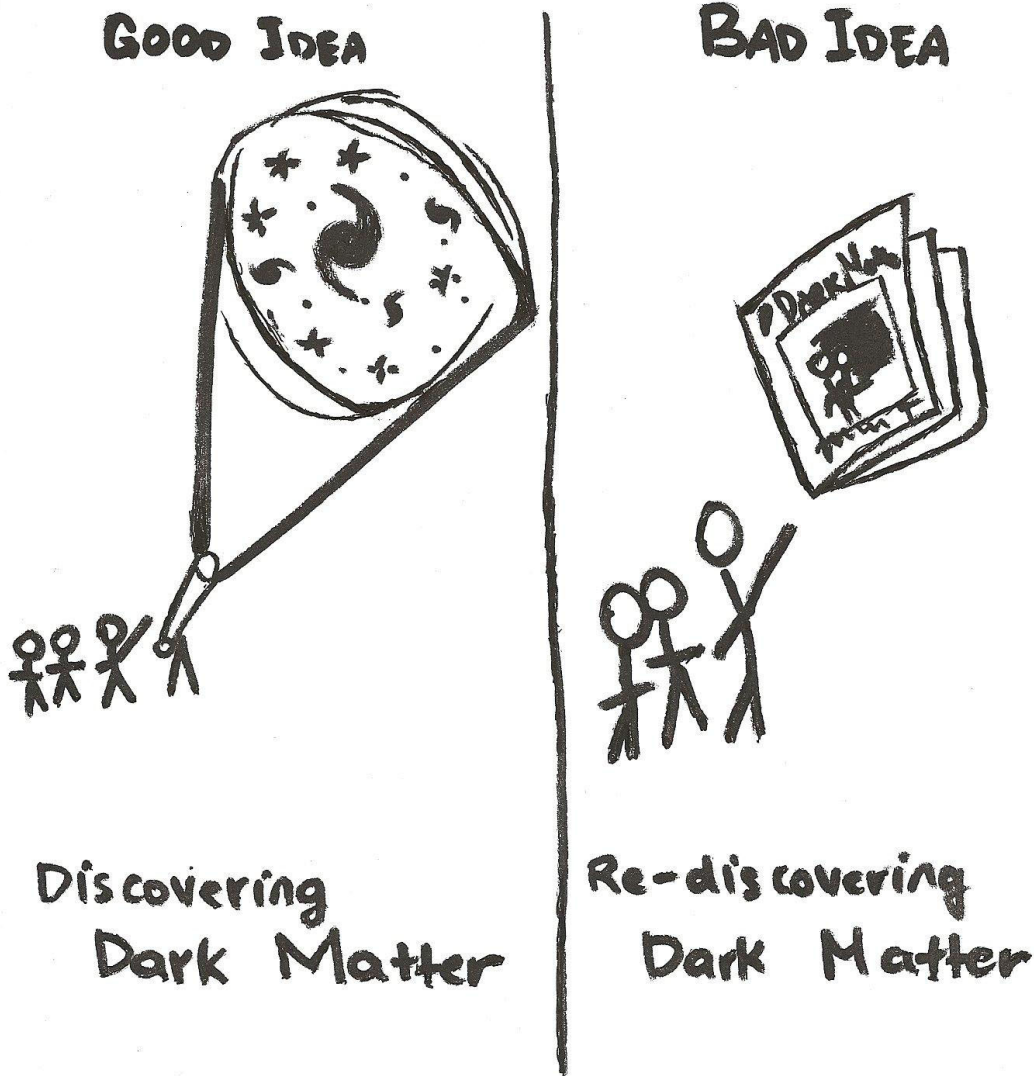


# *math* NEWS

Volume 114, Issue 2

Friday, October 8th, 2010



*math*NEWS welcomes the return of their  
long lost younger “physical” cousin!



**lookAHEAD****mathNEWS**

October 8	Issue 2 “loves” the physics. Oh baby...
October 18	Production Night #3 Meet in MC 3038 at 6:30
October 22	Issue 3 scares your children

**MathSoc**

Tuesdays	Games Night
Thursdays	Movie nights
October 13	Triva Night
October 23	Bonfire
November 3	Smash Bros!!!

**CECS**

Right Now!	Interviews, you should check Jobmine
------------	--------------------------------------

**Faculty of Math**

October 11-16	Winter enrollment appointments (continuing students only)
---------------	--

**Miscellaneous**

October 31	Halloween!!!
------------	--------------

**mastHEAD**

Howdy concerned users!

So, if you wrote for *mathNEWS* or visited the MathSoc website, or really got involved in MathSoc at all, you would know that Pink Tie went down temporarily last night. Last night being Monday. Pink Tie being a server, not the giant piece of fabric similar in purposelessness to a cravat, but attached to a building.

Thusly, *mathNEWS* with the help of its courageous editors and staff staunchly defended the bastion of erudite thought by cleverly avoiding the previous production system, the use of which is similar to stabbing yourself in the hand repeatedly with a pencil. (Any force of will applied to it results in an equal and opposite force from the system. The system’s sharper and more focused and results in internal splinters.)

But returning to the problem of Pink Tie. The server, not the actual tie. As undergraduate students, we take the faculty’s computing resources for granted. How many faculties have systems stable enough that assignments are developed, done and graded on them? Well, two. Us and engineering. And engineering uses Windows.

**mastHEAD Question:** How would you take down Pink Tie? prime8 (“The Noms?”), Llama (“Submit an infenately big *mathNEWS* article.”), Megaton Panda (“2 rounds of elephant tranquilizers, 50 anti-tank shells, and a drunk engineer.”), !cloudy day (“Let shdwfeather demand that the *mathNEWS* production system actually work”), !f (“Submit yet another Old Spice parody to the *mathNEWS* production System”), !able (“Break up with your significant other, and unleash your emotional instability in an unpublished *mathNEWS* article”), B!aggard (“Grappling Hook”), theDreamer (“Magic”), Williver Dalliard (“Cold Shower. This takes down anything in the Math Faculty”), Algoweird (“Sunder it by yelling loud enough”), Zethar (“Summon logical demons”), Edgar A. Bering IV (“Leave it to its own devices.”), HPGroovy (“EMP released over the university”), !Case (“Two gallons of alcoholic mashed potatos, a rubber band, and a pickled cactus. I’ll release the source on sourceforge later.”), !theNewGuy (“Climb to the top of the MC, rappel down the side, cut the tie off of its moorings and tie it to another rope. Then hope that my accomplices pull me up.”)

ImpulsED

”A well timed gust of virtual wind”

**ISSN 0705—0410**

*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](mailto:userid.mathnews@student.math.uwaterloo.ca) on the Internet.

This work is licensed under the Creative Commons Attribution-Noncommercial-No Derivative Works 2.5 Canada License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-nd/2.5/ca/> or send a letter to Creative Commons, 559 Nathan Abbott Way, Stanford, California 94305, USA. Terms may be renegotiated by contacting the editor(s).

Stages of grief (editors): Denial, Anger, Bargaining, Despair, Acceptance: Rami Finkelshtien, Harrison Gross, John Baxter, John Stevenson, Jeff Bain

**Campus Crusade For Cheese**

Do you love cheese? Do you like cheese? Would you be able to work something out with cheese? Say, if the cheese gave you a back rub and set out some nice scented candles first ...?

Never mind. In any case, your Campus Crusade for Cheese wants you! Our meetings, which cost you only \$2 each, will be in RCH 308 during the month of October, and MC 2054 thereafter. Come out this Friday (and every subsequent Friday of the term) at 4:30PM to eat cheese with us! You’ll get to sample 8-10 delicious cheeses and vote on the one you liked the best. That week’s winning cheese will return the following week, and so on until our End-of-Term Party, which will feature all of the term’s winners. Don’t forget to look for our Facebook group!

Stay cheesy,  
Jesse Onland  
Commander-in-Cheese F10

**MathSoc Server Hacked**

The Mathematics Society’s Linux server became part of a flood attack early Monday morning, leading to the server being temporarily disconnected from the network.

MFCF and MathSoc administrators were notified of the server sending out large packets to off-campus destinations shortly before 3am Monday morning. These packets were observed throughout the day on Sunday up until the middle of Monday morning, according to an email thread obtained by *mathNEWS*.

The server is running Debian Sarge, a Linux distribution which has been unsupported for two years, according to the email thread. It is suspected that this old system contains several security holes that were part of this attack. It is not known why the system hasn’t been properly updated for the past several years.

There was an attempt late last term to upgrade the software, but it was abandoned for fear of ruining the system.

MathSoc’s Computing Board planned to purchase a new server, but as of press time, it was unclear whether MathSoc Council would approve the funds at last Tuesday’s meeting.

InsideR

## Why get a Vote on the MathSoc Council

Hi Mathies! Class Rep nominations are now open. There is 1 seat open for Applied Math, 7 for Business + Math Double Degree, 1 for computational Math, 5 for Computer Science, 1 for Math/Accounting, 13 for undeclared or General Math, 1 for Pure Math, and 1 for Statistics.

Grab a nomination form from just outside of MC 3038, and follow the instructions on the form. Need some reasons to become a class Rep? That's what the rest of this article is for!

### 1. Your Major may be highly under-represented

Depending on the number of students in our major, your major may have anywhere from one (applied math, pure math, etc) to nine (computer science, actuarial science) seats on Council. Depending on student involvement from your major, some of those seats may not be filled. Imagine, for example, if all nine CS seats are filled and none of the ActSci seats are filled - then the decisions made by Council votes will be very heavily-swayed towards the opinions of Computer Science students. Not that this is a bad thing, just that it's an unbalanced thing. So if seats are open for your major definitely apply and get that Council vote!

### 2. Learn university news first

Most university news are discussed at things like Senate meetings and FEDS student council meetings, to which Math sends its representatives. At each meeting, expect to hear reports from these representatives on current university happenings. Also, these representatives can carry your opinions back to these university meetings, so that your voice is heard on a bigger scale!

### 3. Resume skills + +

What employer doesn't want to see "Representative on Undergraduate Faculty-Wide Student Society" on a resume? It shows initiative, leadership and team-work - all qualities that are

highly respected in the current competitive business world. So pimp up your resume for both co-op and post-grad opportunities with fancy sentences involving the Math Society!

### 4. Learn about politics and academia

Politics is complicated, and if you ever want to go up any corporate ladder, anywhere, chances are, you're going to have to deal with politics. Why not start now? Being a MathSoc Rep allows you to glance into issues such as interpreting and dealing with Policies and By-Laws, creating [Sub-] Committees and Boards, representation on Faculty Councils and Committees, attending to formal Roberts Rules of Order, and many more.

### 5. Make your voice louder

Figuratively speaking.

### 6. Network and make great friends

Yea, ok, sitting in meetings is not the best way to make friends, but it really is the best way to make friends who are involved in campus life, knowledgeable about university events, and care about the state of the world. At least a little bit. These are the people who will probably continue to be involved in leadership opportunities, no matter where they go - which means they will be valuable contacts for the future!

### 7. Free food!

How could I forget! Delicious yummys are provided at the end of every meeting to reward your patience :)

Original article by Nadia Novikova  
Forwarded to MathNews by TapH

## FedS is looking for OUSA General Assembly Delegates!

The first Ontario Undergraduate Student Alliance (OUSA) General Assembly this year will be held November 5th-7th 2010, and the Federation of Students is looking for 5 qualified students to join the delegation.

As a delegate you will be charged with the accountability of the financial and policy matter of OUSA. At the General Assembly we will debate policy, set direction for the organization for years to come, and approve financial statements and the 2010-2011 budget.

But what does that mean? It means that you'll have a hand in creating some of the talking points OUSA will use when meeting with influential politicians over the next year. OUSA has been working hard to help you, the students, make the most out of your education. What about the six month interest free grace period after graduation that OSAP will be implementing this year? OUSA did that. And they're doing a lot more. Being a General assembly delegate is the perfect way to help make UWaterloo's priorities OUSA's priorities.

If you are interested in attending GA please submit a cover letter and resume to [vped@feds.ca](mailto:vped@feds.ca) by October 15th.

FedS

## VPAS Sez

Hello! As I mentioned last issue, there are now several directors running things so that I don't need to. And on that note, now is as good a time as any to let you know about some of the awesome things we have planned for the coming weeks.

Like many previous terms, we will be running weekly movie nights and board game nights. Board games will occur on Tuesdays at 6:30 PM in the Comfy (MC 3001), and will range from casual to intense games. Even if you don't know how to play many games, it is a great opportunity to learn more and take your mind off of studying. Movie nights will occur on Thursdays at 7:00 PM, also in the Comfy. Further, plans are being laid for a 24 hour Games and Movie marathon late in the term; more details will be broadcast later in the term.

There are also some pretty awesome social events planned for this term, including staples like Pints With Profs (scheduled for November 18th) and Pi Day (on the 314<sup>th</sup> day of the year, November 10<sup>th</sup>), as well as some new events. These include a trivia night next week on the 13<sup>th</sup> at 7:00 PM in the Comfy: come out with three friends and test your useless knowledge. There will also be a bonfire on the 22<sup>nd</sup> at the fire pit by the Lake. Come out at 7:30 PM for some games, music, and s'mores.

Ian Charlesworth  
MathSoc Vice President, Activities and Services F2010  
[vpas@mathsoc.uwaterloo.ca](mailto:vpas@mathsoc.uwaterloo.ca)

## Join *The Waterloo Mathematics Review*

*As an Editor or Reviewer*

*The Waterloo Mathematics Review* is a new publication at the University of Waterloo. It is an undergraduate ran journal, aspiring to be the mathematical equivalent of a law review. I, along with some faculty and graduate student advisors, am in the process of organizing the journal for the inaugural volume. We are looking to start with three co-Editors-In-Chief. What would being an EIC entail? First, the standard journal operations tasks: reading submitted articles, giving them basic proofreads, assigning them to reviewers (either undergraduate or faculty), collecting reviewer reports, liaising with submitters, answering correspondence, making the final judgment call on what articles to publish, finishing the typesetting/online formatting, and basically anything else the journal requires. I honestly can't give an hours per week estimate for this commitment because it hasn't started yet. If you are interested in creating a new mathematical publication and have the time and dedication, please contact me at [ebering@uwaterloo.ca](mailto:ebering@uwaterloo.ca).

For people with less time on their hands but still willing to contribute to the new journal, consider volunteering your time as a reviewer. Reviewers assist the editorial board by vetting submissions for mathematical correctness as well as compositional quality. With enough reviewers the commitment of any one reviewer would be no more than 2 articles per term. The goal is to have the vast majority (if not all) of the submissions reviewed by undergraduates. If you are passionate about mathematics and would like experience reading and editing mathematical articles please contact me at [ebering@uwaterloo.ca](mailto:ebering@uwaterloo.ca).

Finally, if you're interested in submitting an article, be patient. Once we have an editorial board formed, we will put out a call for papers, so keep your eyes open. If you're interested in helping in any other way, please contact me at [ebering@uwaterloo.ca](mailto:ebering@uwaterloo.ca) and let me know what you can do.

Edgar A. Bering IV  
Co-Editor in Chief

*The Waterloo Mathematics Reviewer*

## Women in Computer Science (WICS) Logo Contest

WICS is running a contest for a logo that it can use on its promotional materials, Web site, and swag (t-shirts, bags).

- The submission deadline is Tuesday October 12th (5:00 pm).
- The contest is open to all UW faculty members, staff, and students.
- A contestant may submit multiple entries.
- The creator of the winning concept will receive a \$100 gift certificate to the UW store of choice (e.g., the Bookstore, the Campus TechShop).
- The winner will be announced at the end of October.

### *Evaluation Criteria*

We are looking for a logo that represents the Women in Computer Science Committee (WICS) and its mission: to encourage and support women to pursue studies and careers in computer science. Such a logo would likely include the acronym WICS, but this is not strictly required. For more information about WICS, see our Web site: <http://www.cs.uwaterloo.ca/~wics/>

## Windows Terminal Server Environments Upgraded

The Nexus hardware was upgraded to improve the performance of the aging system. The upgrades did not include any operating system changes, however many of the software packages were upgraded to the newest versions. The effect of these changes on users will be minimal, other than a noticeable increase in speed.

The Graduate Remote Desktop Services (RDS) environment (Greyling), formerly known as Terminal Server was upgraded. The operating system, hardware and many of the applications were upgraded to take advantage of the newest available versions. Some of the noticeable changes you may see include:

- The login dialog in Windows 2008 does not have a pull down menu to select the "log onto domain" like in earlier version of windows. Most remote desktop clients allow you to specify the login domain - which is "MFCFADS" - along with the user and password before the client connects to the terminal server.
- Certain print drivers may experience problems with the new operating system. Many of the drivers were upgraded as per the vendor's recommendation. If you experience any printing problems, please notify the MFCF Help Centre promptly.
- Certain Mac Remote desktop clients will not be able to connect to the terminal server, and an update to the remote desktop client will be required to overcome this issue. Contact the MFCF Help Centre for assistance.
- Users should save all documentation in their "My Documents" folder and not directly on the Desktop as this will allow their roaming user profile to remain optimized.

If you experience these or any problems, please notify the MFCF Help Centre directly or submit a Request Tracker (RT) request ticket through the MFCF Work Tracking System.

MFCF

The logo may be graphical, but must be legible at the size of 3cm x 3cm.

### *Submissions*

- Entries should be emailed to [wics@cs.uwaterloo.ca](mailto:wics@cs.uwaterloo.ca) by Tuesday October 12th at 5:00PM.
- Each entry must include the contestant's name, contact information (phone number, email address), and one or more attachments containing logo submissions.
- Each logo submission must be a PDF file, showing the logo at full size (whatever that might be) and at a reduced size where the smallest dimension is 3cm.

By participating, a contestant certifies that WICS and the David R. Cheriton School of Computer Science may reproduce, distribute, publish, display, edit, modify, create derivative works and otherwise use the submission for the purpose of creating a WICS logo in any form and on any media.

## Waterloo Regional and Municipal Elections!

Waterloo Regional and Municipal Elections are coming up on Monday, October 25th! And, just to remind you, all Waterloo students CAN vote in these elections!

WHY should students vote in municipal elections? Municipal government is responsible for many of the government policies that most directly affect student life, including public transit, libraries, ambulances, police & firefighting, social service delivery, road maintenance, and animal control. Municipal government is also the most accessible level of government: elected officials are not members of political parties and are often just a call or email away.

WHO am I voting for? Elections are for mayor, regional chair, regional councillor, ward councillor and school board members. The candidates are: Mayor: Brenda Halloran ([brendaformayor.com](http://brendaformayor.com)), Jan D'Ailly ([www.dailly.ca](http://www.dailly.ca)), Dale Ross ([www.dalerossformayor.com](http://www.dalerossformayor.com)), and Franklin Ramsoomair ([www.franklin4mayor.com](http://www.franklin4mayor.com)). Regional Chair: Ken Seiling and Robert Milligan. Regional Councillor (Waterloo): Jane Mitchell ([www.janemitchell.ca](http://www.janemitchell.ca)), Sean Strickland ([www.seanstrickland.com](http://www.seanstrickland.com)), and Jack Hone.

Most students will be voting for ward councillor in Southwest Ward 5 (East of King St.), Central-Columbia Ward 6 (All residences and north of University Ave.) or Uptown Ward 7 (South of University Ave. and west of King St.).

Ward 5: Mark Whaley ([www.markwhaley.ca](http://www.markwhaley.ca)), David Sangster ([www.davidsangster.com](http://www.davidsangster.com)), and Gary Kieswetter. Ward 6: Anne Crowe ([annecrowe.ca](http://annecrowe.ca)), Mike Connolly ([www.mikeconnolly.ca](http://www.mikeconnolly.ca)), Jeff Henry ([jeffhenry.ca](http://jeffhenry.ca)), and Ed Korschewitz ([www.responsiblevision.ca](http://www.responsiblevision.ca)). Ward 7: Erin Epp ([erinepp.ca](http://erinepp.ca)), Edwin Laryea ([www.edwinlaryea.ca](http://www.edwinlaryea.ca)),

Duncan McLean ([duncanmclean.ca](http://duncanmclean.ca)), Peter Woolstencroft ([www.peterwoolstencroft.com](http://www.peterwoolstencroft.com)), Melissa Durrell ([melissadurrell.ca](http://melissadurrell.ca)), and Noel Butler ([www.noelvbutler.com](http://www.noelvbutler.com)).

There are several candidates for positions on the school board (a full list can be found on the City of Waterloo website).

WHAT else am I voting on? There are also two referenda being held during the municipal elections. The first question on the ballot reads "Should the Region of Waterloo fluoridate your municipal water? Yes or No." And the second reads "Do you support the members of Kitchener and Waterloo councils engaging in discussions about the advantages and disadvantages of merging the cities of Kitchener and Waterloo? Yes or No." More information on these issues can also be found on the website given below.

HOW do I vote? Voting takes place on Monday, October 25th from 10 am until 8 pm in the SLC. If you are not on the voting list (i.e. not a permanent resident of Waterloo), you must bring ID showing your name, address, and signature and sign a declaration form.

For more information on anything related to the upcoming election, email [elections@waterloo.ca](mailto:elections@waterloo.ca) or check out <http://www.city.waterloo.on.ca>.

And don't forget to VOTE!

Ian Kasper, Andre Magalhaes, Prashant Patel,  
Alex Russell & Piraveena Tharmaligam  
Your FedS' Math Councillors

## Prez Sez

Hello wonderful mathies. It's that time of fortnight again? Time to update you on the wonderful things going on with the Math Society in the last little bit. Being lazy and having a strict affinity for unordered lists, I shall present these "wonderful things" in a list. Enjoy:

- Nominations for class reps are now open! It's your last chance to get in on the decision-making that MathSoc will make this term. See the Chief Returning Officer's article for more details.
- Nominations for the 2011 FOC (Faculty Orientation Committee, you know, those yellow-vest folks who run orientation week) will be open on October 11th. There will be lots of posters and applications around sometime soon, so watch out for that if you're interested!
- We have come to an agreement with the Dean's office to give MathSoc volunteers access to a Balcony Key, so they and their friends can go and chill (with the weather these days, literally!) on the 3rd floor balcony. So you might find the balcony open some days, feel free to come in and check it out =) And if you really want to get to the balcony, you should become a MathSoc volunteer, or make friends with a MathSoc volunteer. Come to MC3038 to do either.
- Athletics funding applications are now open. If you're on a campus rec team, we'll reimburse some of your fee. Grab a form outside of MC3038 to apply.

- If you've been hearing rumors about "UW administration" shortening orientation week (and having to start classes on a Thurs), you can now rest assured that they are unfounded. The 2011/2012 calendar brought to the Undergrad Senate for approval had a full five day o-week, with classes starting Monday.
- The MathSoc budget is now approved will be posted on our website soon! This means that MathSoc and our awesome clubs can start doing cool things, and also that you can find out what your MathSoc fee is being used for (such as getting a new microwave for the Comfy, for example).
- Finally, one of my favorite events of the term, the Charity Ball, will be November 20th, and tickets will be going on sale on October 12th, next Tuesday. It will be a great event for both students and faculty, and will include a night of entertaining, a three-course dinner, live and silent auctions, and dancing all night! So if you wanna come out, get your tickets right away =) Hope to see you there!

As always, concerns / questions / etc are always welcome at [prez@mathsoc.uwaterloo.ca](mailto:prez@mathsoc.uwaterloo.ca)  
Peace!

Nadia Novikova  
MathSoc President, Fall 2010

## C S C F L A S H

Greetings, new students! This is the Computer Science Club Flash, your fortnightly source of all things that happen at obscure hours on the third floor of the MC. We, beings of the CSC, keep the office (MC3036/3037) open as often as possible. You can find it across from MathSoc, or in the hallway closest to the CnD. Stop by to socialize or quiz our knowledgeable members on computer arcana. Our President is Jacob “j3parker” Parker, Vice-President is Edgar “ebering” Bering, Treasurer is Rebecca “rjputins” Putinski, and Secretary is Kyle “kspaans” Spaans. Furthermore, Syed “askhader” Khader is our trusty Office Manager, Matthew “mimcpherrin” McPherrin is our Librarian, and our excellent infrastructure is managed by our Systems Administrator Jeremy “jbroman” Roman. Membership is only \$2 per term, giving you access to our computing services and dead-tree library. We encourage anyone and everyone to join, regardless of your program or faculty. Only an interest in Computer Science is required.

In the next two weeks, we have two talks. The first, “How to build a brain: From single neurons to cognition” will be delivered by Dr. Chris Eliasmith on October 12th at 4:30pm in MC4061. The second will be a talk by local machine learning expert Dr. Shai Ben-David, on October 19th at 4:30pm in RCH306, the title is to be announced. We will also be running an instance of UNIX102 covering version control on October 13th at 4:30pm in a lab to be announced. CSC events are open to everyone, so feel free to come out.

We also host a smaller, little-known campus service called the Campus Stapler Centre. If you need to staple an assignment, our stapler is available near the front door. But heed the sign - just use the stapler! If you ask, you will only anger us.

Calum T. Dalek



## MGC SEZ

*Hello everyone!*

I'm here to give you a few friendly reminders and updates for you busy students!

Have you taken your grad photos yet? You should get on that (by the end of November)! Life Touch (<http://www.lifetouchatwaterloo.com/>) is taking appointments on a weekly basis.

Want to make YOUR graduation memorable? Volunteer for Math Grad Committee! There are a lot of options:

1. Yearbook volunteer (help create the yearbook that the grad class will hold onto forever!) **INFO SESSION:** Wednesday, October 13th, 4:30 - 5:30 PM in MC 4061.
2. Graduation Ball volunteer (help create the memories that will last a lifetime at Grad Ball 2011).
3. Pizza Sale volunteer.
4. Fall convocation volunteers.

Saturday, October 23rd, at 2:30 PM

We need help to sell and distribute yearbooks! Please email us at [uwmgc2011@gmail.com](mailto:uwmgc2011@gmail.com) if you're interested.

!!!!PIZZA SALES!!!! These happen EVERY Wednesday on the 3rd floor of MC starting at 11:30 AM! Come get some cheap lunch and help raise funds for grad ball!

Have some awesome pictures that you want in the 2011 yearbook? Start going through them! We'll let you know how to submit them shortly!

Want more info? Check out our Website, Facebook page, and Twitter feed (details below)!

Maria Christina Greco

Communications Director

Mathematics Graduation Committee 2011

E-mail: [uwmgc2011@gmail.com](mailto:uwmgc2011@gmail.com)

Website: <http://mgc.uwaterloo.ca>

Facebook: UW Mathematics Graduating Class of 2011

Twitter: UWMGC2011

## VPFSez

*We has a budget!*

By the time you read this, I would have finished getting over the hangover caused by the budget meeting. But I have to admit, some good did manage to come out of all of this budget stuff. I mean, for the most part we have given the green light to fund a bunch of great new stuff. From club events to MathSoc social events to the Charity Ball, the budget has a ton of things that you the student can enjoy. For full details, be sure to look at the budget that should be on the MathSoc website by now. [mathsoc.uwaterloo.ca](http://mathsoc.uwaterloo.ca)

In other news, as of last Monday Athletics is officially open. If you are part of an inter-mural team with Mathies in it, please fill out a form and we will give you back part of that overpriced campus rec fee that you were forced to pay. Why you ask? Because we are that awesome!

Also now that we finally have signing authority (I shake my fist at you CIBC), I can also make cheques. So now there are also expense claim forms sitting outside of the office as well, so if you

have an expense that was either on this term's budget or last term's budget, feel free to drop one of those off with the receipts in the VPF mailbox in the MathSoc office, MC 3038 (ask an office worker if you get lost)

Last but not least, if you have anything. Yes, anything at all that you want to talk to me about or ask about (such as any of the specifics of a budget), do not hesitate to email me at [vpf@mathsoc.uwaterloo.ca](mailto:vpf@mathsoc.uwaterloo.ca)



Rami Finkelshtein  
Vice President of Finances

## Hey St. Peter

*The Ultimate Meme - From 33 Years Ago*

When one thinks of ideas for a music video, brainstorming is usually the first thing one uses to develop ideas. Ninety-nine percent of the time, this turns to eliminating all the ideas that seem too ridiculous, or don't fit in. When Flash and The Pan came up with a music video for their debut single in 1978, they skipped that step. Following is a short description of the scenes found in the music video. When I found this, I quickly wondered, "How did Rick Astley get chosen ahead of this video?". I would have made more effort to 'Video on Trial' this music video, but simply describing it, is enough mockery.

The video opens with a tall man wearing a black suit walking down a street. He encounters a short man in a white suit and matching wide-brimmed hat, who pulls the revolver-under-the-coat routine. What mafia henchmen walks around in white? Hiding blood is a lot more difficult than with standard black.

At the beginning of the chorus, we meet 'Flash' and 'The Pan', one wearing a raincoat complete with hat, while the other wears aviators and pilots clothing. Then it reverses, and then back. Every time St. Peter is mentioned (which is often), the scene cuts for half a second to a gandalf-like figure wearing all white, and a colourful mitre (like the pope).

Next, the man in the hat leads the tall man for a long distance continuing to push him along with the gun. After dodging the public eye while walking down the middle of the street for a few kilometers, he then forgets that he's threatening the escort, and uses both hands to open a door to a factory. At this point, all sense of plotline disappears.

We cut back to the rainjacket chorus, which is followed by a louder chorus where the main singer (I'm going to call him 'Flash' for the sake of argument, but there is no way to determine which is which) is illuminated so that only his face is visible. When 'The Pan' joins in, he is as before in pilot's uniform, fully illuminated. After this second chorus, it cuts to a piano break, which as normally, shows Flash playing the piano, and cuts of The Pan really getting into playing the maracas.

All of a sudden, we see The Pan, playing the violin (out of sync with the music) in nothing other than a cape and a military helmet. Everything is covered by the cape, but still, not a sight

expected. It then cuts back to The Pan playing maracas, and then.... Flash is playing the guitar in an outfit that would make hipsters cringe. White short shorts and jacket, with a faded blue hat that says 'A', while still wearing aviators. It cuts to two seconds of the original mafia scene, but is quickly forgotten. Then we see The Pan playing guitar with cape and mitre now, beside Flash in his short shorts. Cut to same thing but Flash playing the cello in normal clothes.

You may have played all of the instruments, but for the sake of continuity, can you at least only show one or two in the music video?

After a minute of grooving with all sorts of instruments, and jumping from scene to scene, including The Pan in cape and mitre playing the drums, we see one of The Pan's maracas explode, to his surprise. Cutting to the scene with the piano, we see the reflection of an ominous skeleton in the piano... along with a fake ice cream cone on top of the piano.

Next is the slow portion where the song sings directly to St. Peter. The gandalf character reappears, and looks solemn ringing his bell... until he starts pulling ice cream out of a box, like a street salesman. He proceeds to throw the icecream everywhere, with the look of a pedophile on his face.

We cut back to Flash and The Pan singing the chorus, and they have performed another costume change. The Pan is wearing the standard green army man costume, but Flash has created a make-shift sombrero by taking a fisherman's hat and tying marshmallows from strings attached to it. This is the obvious headgear to wear with aviators, and a striped shirt and tie. This time, whenever St. Peter is mentioned, it cuts to a clip of St. Peter dancing like crazy in his flowing white robes. He dances so insanely his mitre proceeds to fall off.

To conclude the song, Flash taps The Pans head down until it is out of camera-view and at his waist height, with the obvious suggestion that they're both going to go to hell for performing either the homosexual act suggested, or by simply making this music video. The camera pans out from Flash's 'O'-face to a skeleton wearing a children's devil costume. Enough said.

Tbor

## Welcome Week recovered from Marianas Trench

As many of you have probably read in the Imprint, the Marianas Trench ended Welcome Week, as it sank out of sight into the murky depths. After a concerted effort from many individuals, and support from organisations including The Royal Canadian Navy, Qwik-E Mart, and the Umbrella Corporation, Welcome Week was recovered from the trench. The Navy donated several paper boats, and a straw, while Qwik-E Mart lent several remote controlled submersibles, and \$25 worth of ramen noodles. The Umbrella Corporation donated a bent fork, and several miles of cabling. Welcome Week declared that it was "Not quite dead yet" as it was pulled aboard the HMS UsedToBeAPaperHat under supervision by HMS SoggyCardboard. It is currently recovering in a small hut in the Bahamas, and is likely to make an appearance sometime next year.

!case

## The demented ramblings of a sleep-deprived mathie.

The penguin jumped over the moon, and ate the cheese on the other side, but the rat was fat already, so the cow stole milk from the devil.

## A statement on the demented ramblings of a sleep-deprived mathie.

Hmmm... very interesting article. The use of ambiguity to create a mysterious setting is very effective. We can deduce that the "rat" (obviously some kind of symbol) was fat from eating the proverbial cheese, leaving nothing for the sad, sad Linu—I mean penguin. One could also speculate that the "cow" created the cheese (from the milk) and was in charge all along, albeit one could take this piece literally but that would be a job for engineers.

## Hidden message

### *Decoding the coat of arms*

The latest iteration of coat of arms for Canada's Governor General was revealed last Wednesday during the inauguration ceremony. Featuring an astrolabe, a unicorn, and candelabra, its most noticeable element is the hidden message lining the bottom. Written as a 33-bit binary string, this scrambled message has confounded even the most intelligent of Software Engineering students. After spending a good 15 minutes analyzing the numbers, from converting the numbers to decimal to replacing the numbers with ASCII characters to plugging it into Wolfram Alpha, no suitable result was found.

Nevertheless, this determined reporter is still desperate to decipher the hidden meaning that lies open for all to see. The theories are as follows:

- July 17, 2057: The possible date of David Johnston's revolution, where the nefarious CLOWD party rises to power.
- THW%F342\$%^523{"4\$@\$#%: The possible set of characters, that, when spoken aloud, summons the extra-planar Qsfew (pronounced "Jsguoten") race to annihilate our planet.
- (110110100101)2: The input that unlocks the secret vault on the eighth floor of the MC which contains the map to get to the seventh floor.
- (110110100101)10: The number of days before people realize once again that Duke Nukem Forever is just an elaborate hoax.
- \$1101101001.01: The amount of money that he will get paid (unofficially).
- 11/01/10-10/01/01: The span of time in which one must not travel back in time through, for risk of restarting the Time War.
- 0x110110100101: The legendary lost pointer which goes to the memory address where the formulas that PDEng marks are calculated.
- 001001011011: Two's complement of the number, making it suitable for addition in computers.
- 1+1-0+1-1+0-1+0-0+1-0+1=3: The number of roads one must walk down through life.
- A random series of ones and zeroes that an Artsie thought would look nice on the coat of arms.

Big Mak

## Who wants to start a brothel?

If the federal government doesn't challenge the ruling, we'll be able to start brothels and advertise for prostitution! Here are some places I think would be fantastic places to start a brothel on campus.

- The Computational Math Club (comes with built in sketch!)
- DC Quad: Open air establishment are fantastic
- Grad House: Perfect brothel setup in place already
- Real-time lab: How else can we ensure our foremost minds have a good set of distractions?
- Needless Hell: Best place to make profits, the administration makes the most money
- Bomber Wednesday: Employees won't require much pay

A terrible person

## David Johnston installed as the next GG

### *Driver should bring about fixes to performance issues*

Last Wednesday Waterloo's former president was installed as the new Governor General of Canada, replacing former incumbent the Right Honourable Michaëlle Jean. Analysts agreed that this was a smart move, as a more stable driver was greatly needed to improve the performance of the current government.

"It's been five years, and the previous version was starting to show its age," says Bob Johnson, a pseudopoliticalcompsci commentator. "When what you currently have can't even function properly and has to shut down whenever the pressure of its applications gets too strong. It's time for an upgrade."

While some see that the post of the Governor General as a vital one to allow our ever-changing Parliament to function on top of the stable architecture that is the British monarchy, others are more skeptical. There is a growing interest in a number of fringe groups, most noticeably in the latest political party to get approved, Canada Lose Our Weak Democracy, whose paradigm is a radical shift from the normal system. One of their representatives was contacted for comment:

"The problem with our government wasn't that we had a faulty driver to our hardware. It's the fact that we are still tied to the monarchy after over 140 years. We're still sticking to the constitutional monarchy because that's what we're used to. In today's society, what we need is a government that is flexible and dynamic, always using the proper amount of resources to meet the needs of our population. Although there are still a few issues, early adopters of our ideas have given us positive feedback and agree: Canada's future is in the CLOWD."

Big Mak

## The Hee Ho's Half-Assed Music Review

### *Robyn Dell'unto's debut album I'm Here Every Night*

Many hundreds of years ago I was a high school stuff and I had the pleasure of being in classes with a lass by the name of Robyn Dell'unto. She was and is a very talented musician as she was in some of the school's choirs so it was very obvious that she was going to go into music. Lo and behold, she has just released her first album which is unbelievably amazing. The title of the album is *I'm Here Every Night* and the CD is 13 songs that are both catchy and brilliant. The easiest way to describe Robyn's style is that she's light rock, but she is definitely the kind of musician that every should listen to.

Seriously: go to <http://www.myspace.com/robyndellunto> and you can listen to some featured songs from the album including *Just a Bird* which has a very adorable music video on the very page. The song *Ghost* was featured in some TV show called *Being Erica*. Songs worth listening to are *Just a Bird*, *Astronaut*, and all of them. After you've fallen in love with her music you should go to Amazon and buy her CD. It's \$16 and it is worth every penny. This CD is a must-have for people who love music, I cannot stress that enough. That's all! The Hee Ho is out!

The Hee Ho



## Scheme and YOU

### *A newbie's experience with MIT's functional programming language*

(When I first applied to the University of Waterloo, I did what most applicants did (that is, unless you're lazy (or maybe you just don't care (but if you did, you would have browsed the university website (and maybe even come for open house (which was a very nice event, may I add (to educate yourself about the university (information such as residence, services, and courses (such as the CS 135 course webpage (which provides a ton of information to prospective students (one of which was the programming language used in the course (Scheme (along with that, the programming environment used, DrRacket (it used to be called DrScheme (for some reason it changed))))))))))))))

(The languages I have learned in school (or taught myself out of class (such as Python (which, although different in syntax, is still similar to C, Java and PHP (because they are all "imperative" (something that Scheme, obviously, was not (it is "functional" (or as I am told (by somewhat reliable sources (profs (some textbooks too))))))))))

(However, the biggest difference (at least I think it is (I'm sure you will too (especially after you read what my professor (Ian God-beard (great prof, by the way (mainly because he doesn't fail students that poke fun at his amazing facial hair (which wiggled up and down as he said:

("There are two major differences between Scheme and other languages you may know:

1. There are a lot of parentheses, and
  2. HOLY SHIT THERE ARE SO MANY PARENTHESES"
- (a highly paraphrased version of the actual quote (which in my opinion, at least (summarizes the main difference between scheme and other languages (spot on, really (I personally couldn't say it any better (except for this (KAMEHAMEHAAAA=====))))))))))))))))))

Love,

theSMURF

## N Things that my tomb stone is likely to say

1. At least he was amusing
2. He died to serve as a warning to others
3. Proof by Katana does not always work as intended
4. Your task: Prove I don't exist
5. Sacrificed because  
He would not stop talking in  
Horrible Haikus
6. Who knew a game of Ninja could go so far...
7. Ok so maybe I did start the fire
8. He thought he could write *mathNEWS* alone

RamEd

## PEACE

### *I provoke it*

Essential to any peace is the feeling of security that everybody must have. The simplest way to create this security is by allowing every person to defend themselves with sufficient force to deter any infringement on personal security. So, by creating an inequality, the simplest way to do this is by arming everybody. I took the first steps to creating this better peace by arming the *mathNEWS* writers with a Nerf gun. By the principle of increasing arms, this will result in everybody becoming armed with a greater weapon, escalating until everyone has the means to defend themselves against any infringement.

This theory has been shown to work in practice in multiple circumstances. Whenever any nation has had an arms disparity, whether from much less or much more armaments, war has broken out. In the United States, where everyone has the right to be armed, there is peace. As well, the Cold War consisted of two sides that were fully armed, and there was no war during this time. Thus, fully armed sides work. So, by arming the *mathNEWS* writers, I have directly contributed to peace.

!theNewGuy

## VIOLENCE!!

### *I provoke it*

I did a dirty deed today. I brought a gun to MathSoc. But this wasn't any ordinary gun. It was coloured bright yellow and orange, and shot small pieces of foam. Yes, I gave a Nerf gun to a group of mathies. Since that fateful moment, many shots have been fired in the *mathNEWS* office, at everything that moved, and some things that didn't. I apologize to any readers that may, or likely will, be subject to this senseless violence upon entry to MathSoc. I would offer myself as a human shield, but I have classes to attend, so cannot do this.

To prevent this senseless violence in the future, I have decided that I will donate my gun to *mathNEWS*, to be used by the editors and myself to ensure the quality of articles. Anyone who submits more than two consecutive terrible articles will be shot, and survivors will be shot again. Hopefully this will serve to stem the rising tide of violence. On the other hand, this may speed up the armament of *mathNEWS* as the editors rush to arm themselves. I hope that the power and trust I have vested in the editors is well placed. \*snicker\*

!theNewGuy

## Come write for *mathNEWS*!

Your fellow mathies seek answers for their broken, wistful hearts, as well as witty comments to warm the soul. Send our editors an email and perhaps you will receive an invitation less than 20 hours before the start of our next fortnightly production night.

## Re: The 5 Stages of Procrastination

### *The N Stages of Procrastination*

**Phase 1:** I'll get back to you on that.

## Grad school?

Whether it's because you love academia *that* much or you just want to postpone real life for another six years, the decision to go to grad school is a big one. And it's a decision you need to make NOW.

You may be nodding sagely with a slight smirk of disdain because you already started your applications, oh graduate of the 2011 class, but unfortunately, this article is not for your benefit. It's already too late for you, and in the spirit of triage, I can only attempt to save those who still have hope. The intended recipients of my message are frolicking freely without a care in the world; yes, I'm talking to you, 3rd year students, the class of 2012.

*What?* You ask in dismay. *Why do I have to make a decision about something that won't affect me for two years?*

To answer your question, I give you the analogy that I was told by a wise old professor:

For graduate schools, trying to discover good potential grad students among the undergrads is like trying to find good potential ninjas among soccer players. Sure, these soccer players are fast and athletic, but from their soccer records, you have no way of telling whether or not they have a key trait: *can they kill?* So it is with grad schools and undergrads; the schools see a good GPA and test scores and they know you can absorb new material and remember it for a test, but see, grad school isn't about just soaking in information. Grad school is about original research. So the application screener trudges through the applications, slowly losing hope—but wait! *Is that a publication?*

For grad schools, seeing a publication listed on an application from an undergrad is like receiving the severed, blood-soaked head of the president of their rival school as supporting documentation. *Wow, they say. This soccer player can actually kill people!* And you're in.

Now by this point, you may be depressed. *How will I ever get a publication?* You wail. This is why I decided to write this article. If you're in 3rd year, be sanguine (ha, ha), there is still hope! You should still have about two work terms left. So, instead of haring off to Amazon and Microsoft for the big bucks, find a professor in the university to do research with. If you're lucky, you can even get a NSERC USRA scholarship for your resume. If you're afraid to commit a full work term (i.e. you really, really want the big bucks), you can look for a part-time Undergraduate Research Assistant position instead. Don't be afraid to email professors, or to walk up to them after class to inquire about research. They love talking about it, and many are happy to hire an undergrad for the term (you only cost them \$600 for the entire term). Even if you don't manage a publication from these positions, this still sets you above the average applicant; it's not a severed head, but a blood-stained knife will get you extra points.

So 3rd year students, don't wait! Decide on grad school now, and prove your mettle.

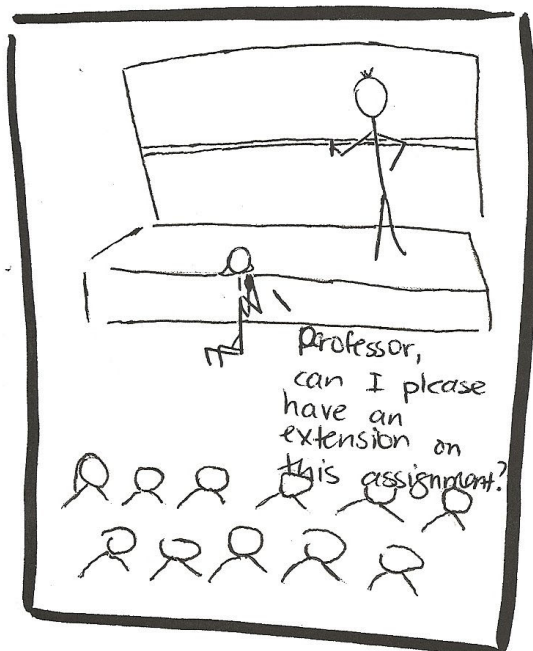
Shdwfeather

shdwfeather@gmail.com

## MATHIE SEX POSITION OF THE WEEK

Dominant Doggiestyle:

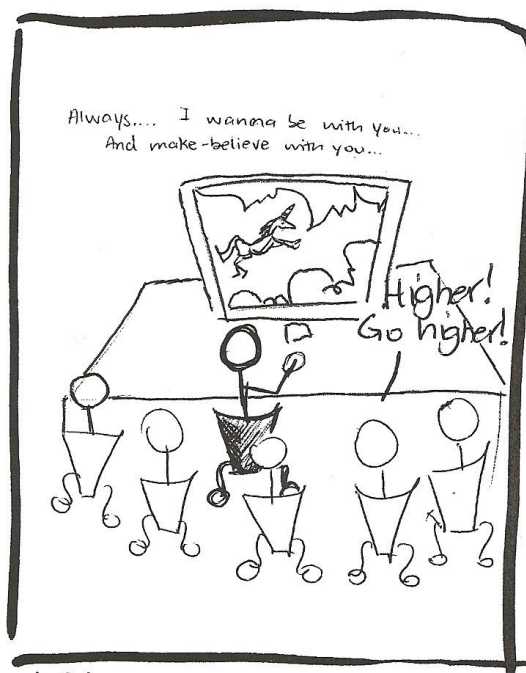
Woman on her knees, man standing on higher ground.



M10

Group play:

One man playing, many men watching.



daFink

# A Female's Guide to the Math Faculty

*Make the best of it*

So you walk into your first math class. Look left. Look right. Look left again. Blistering blue barnacles! What manner of trickery is this? It appears the class is around 80% male. It's going to be a loooong year. But wait! It doesn't have to be! If you use my handy-dandy Female First Year's Guide to Survival in the Math Faculty (hdFFYGtSitMF for short), you can be having fun in no time!

1. Don't freak out about the guy-to-girl ratio. That just means you'll be that much more popular!
2. Be a nerd. How else did you get in here?
3. Talk to people. Even the guys. Trust me, they like it. If nothing else, you can use their bodies as bridges across puddles on rainy days.
4. Concentrate on your studies. I know there's a lot of fine-looking men around but ...
5. Guess what? The MC has maps and bathrooms in all its corners. It's the only thing that's convenient about the entire place.
6. When you're in need of a refuge from all that testosterone, go chill out in the bathroom. There's at least one place you don't have to worry about running into guys.
7. Go exploring. Seriously. Pretend you're Dora the Explorer. Never mind, that probably won't help.
8. Make time for exercise or the Frosh 15 will become the bane of your existence.
9. If you're walking around late at night, bring some friends or call the WALKSAFE people. 'Cause nothing's more lonely than a one-person party.
10. Flaunt that pink tie.

An Actual Female!!

*[You didn't send a pseudonym you wanted, so I made this one — RamEd.]*

## Democracy

*Fails every time the guy I vote for doesn't win*

I've been a voting member of society for almost a decade, and I am constantly shocked how much democracy doesn't work. It's most apparent whenever the candidate that I vote for isn't elected, as democracy is supposed to serve the people. I'm a person, so why doesn't it exclusively serve my interests?

I really think that I've had enough of this. Every so often a small victory shows up and something which I support is accepted by the general public. The big problem is that this isn't all the time.

With the upcoming elections, I have to say that the future will look pretty grim if my candidate of choice doesn't win. Needless to say, this single race will be deciding factor as to whether or not the fate of Canada is completely screwed, but it could go either way. The entire population could agree with me and vote likewise, which would make me feel that we have a chance, or I could not end up getting who I want elected, in which case there is no hope.

The Hee Ho

## Watch Out!

*they're listening...*

Every couple of months, whilst combing through the creepily lovely internet world that is Facebook, I stumble upon a group: Overheard at Waterloo. I thought I might share some of the literature available on the site, which is a veritable goldmine.

In DP waiting for the elevator:

Guy - "Why do you wear a bra? You have nothing to put in it."

Girl - "Well, you wear pants, don't you?"

SCH Chefs: Guy A - "Aren't you worried about having hordes of your children running around the city with your constant sex?"

Guy B - "That's why every time a bus goes by I wave, just in case."

In DC library: Girl - "This number is so big!" (starts laughing)

Guy - "Do you get excited by big numbers?"

Girl - "Yes, I get excited by big things."

In line at SLC Tim Horton's wearing flip flops:

Guy 1 - "Are your toenails red?! (everyone turns to get a better look)

Guy 2 - "Uh, yeah, happened over the weekend... Partied hard."

Guy 1 - "DUDE! That was like 5 days ago! Why didn't you remove it?"

Guy 2 - "Don't know how..."

Guy 1 - "Don't know how, or don't want to?" (awkward silence)

at mathNEWS production night...  
prime8

## Plague of Plaques

Have you ever noticed the ubiquitous plaques situated around every odd corner around campus? It may be a legacy left behind by someone gone past, but the metal which the plaque is made of is sitting there, rusting and wearing down under the intense gaze of father time, when these messages inscribed on it can be equally expressed in an entry in an obscure, dusty tome in DP.

This plague of plaques is currently on the rise, with more and more things being adorned with this rectangular metal outcrop, when other places on campus practically begs for more metal which could be used to fulfill a greater good, such as filling the paper feeder for the Imprint press with liquid metal so we don't have to read that drivel.

A legacy shouldn't need a plaque to inform of its existence - word of mouth should be able to keep the legend alive in a more spectacular way. Everyone would be talking about the class who stole the engineers' Tool and smuggled it to Iceland before the engineers noticed it was missing.

It's up to you - do you want to deprive resources so your legacy can be virtually ignored by future students or do you want to do something genuinely awesome for your class? You know you want to drive a tank down to the SLC parking lot in the dead of the night to keep vigilant guard on where a million monkeys ram away at typewriters as a legacy; get off your ass and do something awesome!

Zethar

**profQUOTES**

- Better you learn [how to pronounce (i-hat) here than on the street.  
Mann, PHYS 121
- Student: How come they don't teach us [vector components] in high school?  
Prof: You can't say this to kids.  
Mann, PHYS 121
- Not all things in life are commutative. Putting on your socks than your shoes gives a different result than putting on your shoes then your socks. These operations are not commutative. Try it if you don't believe me.  
Mann, PHYS 121
- Again, I can't do math, so how many are there? \*Counts\* Five.  
Cormack, CS 145
- If you don't like this, there exists a bonus problem that encourages you to find a more efficient solution.  
Cormack, CS 145
- If you wear jeans, you'll be a juvenile delinquent.  
Smith, ECON 101
- [Student]: 200 miles an hour?  
[Prof]: Did you just use the m-word?  
Mann, PHYS 121
- The war is over. Frustrated soldiers come home. Frustrated ladies come out of the factories. And they hate each other.  
Smith, ECON 101
- The people [in Russia] who aren't not being born are drinking themselves to death.  
Smith, ECON 101
- For many reasons, trees with less height are often considered more desirable. You don't have to extend your ceiling to fit them in.  
Cormack, CS 145
- As you get older, your need to spend decreases, because you have everything.  
Smith, ECON 101
- Not babies in secondary school. Big babies.  
Smith, ECON 101
- I hope I'm not doing your assignment for you. Am I doing your assignment for you? I can't remember.  
Cormack, CS 145
- That colour is so 15 minutes ago.  
Smith, ECON 101
- The fashion industry exists to persuade you that what you wore yesterday is not what you should wear today.  
Smith, ECON 101
- I'm sure the devil never talks to you, but he talks to me.  
Smith, ECON 101
- Usually it takes several years to be fired as an executive of General Motors.  
Smith, ECON 101
- Plan stupid! Come back with new plan!  
Smith, ECON 101
- [Talking about Republicans]  
Do you know how enraging it is to be forced to agree with a crazy person who by accident happens to be correct?  
Smith, ECON 101
- [Student]: Is the paper one-sided or two-sided?  
[Prof]: Of course the paper has two sides..  
Smith, ECON 101
- That is what I meant. I was not on drugs last week.  
Smith, ECON 101
- They don't tell you they read the textbook for fun ... because they suspect you'll try to push them down the village stair.  
Smith, ECON 101
- I've been a treehugger longer than you've been alive.  
Smith, ECON 101
- Do you see why stupidity makes me twitch?  
Smith, ECON 101
- If the person you ask has half a page of notes, tell them they don't have enough notes and go ask someone who's going to pass the class.  
Smith, ECON 101
- And this is probably actually what you did in elementary school.  
Ingram, MATH 145
- [Pointing at a tennis ball lying motionless] Do you know how much this demonstration cost the university? That's what your tuition is paying for.  
Mann, PHYS 121
- I always feel so relieved when my examples work.  
Cormack, CS 145
- If you think a number is positive, negative, or 0, and it's something else, you're in for trouble.  
Cormack, CS 145
- I'm supposed to say *Racket*, but I fail at indoctrination.  
Cormack, CS 145
- [Student]: Never mind. I'm stupid.  
[Prof]: Good.  
Hare, MATH 147
- If you're really tired after doing this assignment, the natural solution is to start the next assignment.  
Ingram, MATH 145
- Part of this lecture is on the exam tomorrow. That's ideal, that's fresh - that's my story and I'm sticking to it.  
Smith, ECON 101

**MOAR! profQUOTES**

- I tried to drink as much as he did, but it was not possible.  
Smith, ECON 101
- It is not an invitation to puff on a cancer stick.  
Smith, ECON 101
- Must not have teenagers on railroad track. They will get squashed, and the railroad company will get pissed.  
Smith, ECON 101
- With that chart and this [one], you could have made your family several hundred [thousand]. Unless they gave it all to me.  
Smith, ECON 101
- For the rest of history, rich people set letters. How did they do that? They got their employees to do it. How did they do that? Well, they were rich.  
Smith, ECON 101
- Nobody likes economists because we rain on your irrational parades. Undertakers get invited to more parties than I do.  
Smith, ECON 101
- Someone who is young and knows history. Remarkable!  
Smith, ECON 101
- Mr. Obama's predecessor, who's name should never be spoken.  
Smith, ECON 101
- We're Canadians. We do everything a little bit.  
Smith, ECON 101
- What is the Chinese government worried about? Growing income disparity between rich urban China and poor urban China, and between poor urban China and really really poor rural China.  
Smith, ECON 101
- I don't care if you have integrity, you will pretend you do while you are in this room.  
Smith, ECON 101
- In linear algebra you'll be talking about functions defined on vector spaces, whatever they are.  
Hare, MATH 147
- Contemplate the motion! [Said motion was brief and involved the heaving of a pumpkin from the roof of PHYS]  
Mann, PHYS 121
- $N$  was called  $b$  back then.  
Ingram, MATH 145
- Did you know that you can actually play cards online now?  
Balka, STAT 206
- Course description, blah blah blah, we'll talk about what we're going to talk about. Course objectives, more blah blah.  
Balka, STAT 206
- I think you'll have some ways of dealing with it if you fail... which some of you will... statistically speaking.  
Balka, STAT 206
- In a first-year calc course, 10% of the students would be sick for the exam. I can show you that that's extremely, extraordinarily unlikely.  
Balka, STAT 206
- Assignments... we don't have any, so I don't have to worry about copied assignments.  
Balka, STAT 206
- How do you define surgical errors? Did the patient die? Is someone standing over the surgeon and giving a rating? Are they asking how the patient feels on a scale of 1 to 10? Whether the surgeon goes 'Whoa'?  
Balka, STAT 206
- Prof: What are the odds the Leafs win tonight?  
Student: Zero.  
Balka, STAT 206
- I think I've already established my drawing prowess, so I'll just label this door.  
Balka, STAT 206
- (about the Monty Hall problem) Three equally likely possibilities, assuming they don't hear the goat bleating behind a door.  
Balka, STAT 206
- Back when I was at Guelph, we had to do all those drug tests. I thought, besides alcohol, I should be OK.  
Balka, STAT 206
- Student: Yes, I got the same answer you did.  
Prof: Then I guess we're both wrong.  
Balka, STAT 206
- The random variable could be the number of spades in my hand, the number of swear words that come out of my mouth before the end of the night, my blood pressure...  
Balka, STAT 206
- You'll have to take a small leap of faith and trust that I won't be a jerk for the midterm.  
Balka, STAT 206
- Scheme is tough for... doing useful things.  
Petrick, CS 241
- Its dot product is 0, so we can kill it off! DEATH! DEATH! DEATH! DEATH! DEATH! DEATH! ... I love killing stuff in math.  
Mann, PHYS 121
- Ooh, they put a website up for me. It's probably hideously outdated.  
Petrick, CS 241
- Everyone loves Marmoset, so we're making you use it again!  
Petrick, CS 241
- Hopefully it'll be fun, hopefully it'll be interesting, and hopefully you'll all be around at the end.  
Petrick, CS 241
- Day two and we've already lost 25-30% of the class...  
Petrick, CS 241

## We don't have horoscopes so..... *Om Nom Nom profQUOTES*

Now that we've discussed all 18 instructions in our subset of MIPS, you're all experts in assembly now, right?

Petrick, CS 241

[Points to shirt] KGB... still watching you. And a reminder about assignments: do them alone. We're still watching you.

Petrick, CS 241

That's why we kind of just wave our hands at Scheme.

Petrick, CS 241

Once Intel had a standard, Apple said "Well, I'll make a different standard so it doesn't work with yours."

Petrick, CS 241

Fridays are Novelty T-Shirt Days, because I don't have enough nice clothes to wear every day.

Petrick, CS 241

We've had you writing in machine code, always fun. Now you'll appreciate how nice assembly is.

Petrick, CS 241

I see we have a full class, but attendance will slowly go down, though I expect a peak just before the midterm.

Hasan, ECE 222

Let's say I give you a midterm. For argument's sake. Let's say you all do bad on it. For argument's sake. [chuckle]

Mansour, ECE 126

[draws crooked line] It's a vector.

Mansour, ECE 126

In English, you can verb anything.

Trefler, SE 212

There's a... um... line, and it means negation.

Trefler, SE 212

Prof: Is that a question?

Student: I sneezed.

Trefler, SE 212

For reasons of my own, I would like to translate that sentence into propositional logic.

Trefler, SE 212

It would take you a long time to list all the elements of this set. You might never finish. Hint: use induction.

Trefler, SE 212

Student: So false implies true?

Prof: Yes, absolutely.

Trefler, SE 212

You may disagree with these definitions. I sympathize.

Trefler, SE 212

How many of you are good at procrastinating at this point?

[Pause]

How many of you haven't gotten around to it yet?

Ward, SE 390

Prof: What do you think of these quotes?

Student: The top one was by an engineer.

Prof: Worse, a committee of engineers.

Ward, SE 390

We are very traditional here! We like our four-way marriages and we like them official!

Ward, SE 390

The amount of energy involved in blowing up a planet is a hell of a lot.

Ward, SE 390

You have two choices in life: You can look ignorant, or be ignorant.

Ward, SE 390

At a superficial level that looks like a real problem.

Ward, SE 390

Please, please try to get married... four guys together is a perfectly reasonable marriage.

Ward, SE 390

And when there's no reasons it doesn't work, it works.

Ward, SE 390

Please don't do projects involving assassinating people in other countries.

Ward, SE 390

That's by the famous Michael Jackson, not the infamous Michael Jackson.

Berry, SE 463

God tried to get Adam and Eve not to eat from a particular tree... they were basically teenagers.

Berry, SE 463

There are superusers, who can do things you can't do, like leap over tall buildings.

Berry, SE 463

Usually when you see someone putting on a glove you have some cause for concern, now you don't have cause for concern...this may reduce the number of students coming to see me at office hours.

Godfrey, SE 463

[Requirements engineering]'s like taking the system your code monkeys built... I mean that in the nicest way possible.

Godfrey, SE 463

So, I lifted this from Wikipedia, which is allowed, because I sourced it.

Godfrey, SE 463

## Oh god why won't they stop...why won't they stop! profQUOTES

UML in that sense is like a cockroach-killer.

Godfrey, SE 463

It is not because you have a good understanding of formal logic, it's because you have a good knowledge of drinking!

Thagard, PSYCH 256

Ghoti? That's a good guess. It's actually pronounced 'fish'.

Thagard, PSYCH 256

You don't have to be a philosophy major to go, you just need to be interested in philosophy... or pizza.

Thagard, PSYCH 256

The best place to find psychopaths is prison, or the Vancouver Stock Exchange.

Thagard, PSYCH 256

I'll match it to my concept of McDonalds, and then I'll run away.

Thagard, PSYCH 256

Most of you have a concept for 'indigestion'. If you're really adventurous, you may have a concept for 'food poisoning'.

Thagard, PSYCH 256

[On partial concurrency] For all the ladies out there, it's like being half-pregnant.

Buhr, CS 343

So I said "Why isn't that on the testcompile?" and they said "mumble mumble mumble" and that was it.

Buhr, CS 343

Before this class, you lived in this stick. Over here you're an N-dimensional hyperspace. Here, you're a stick.

Buhr, CS 343

I'm over at Cons's place! That's where I passed out!

Buhr, CS 343

If you start writing code like this you have to start shaving the palms of your hands. This is real control flow.

Buhr, CS 343

Looks more like a rat... I'm going to call this a car, and you'll believe me.

Ivan, CS 370

A good Software Engineer is a lazy one.

Berry, SE 463

You would get very upset if I tried to rewire your head.

Berry, SE 463

## Haiku

### Time for a short break

In the unix lab  
Trying to write something good  
Instead: lame haiku

theDreamer

## Fall Movie Previews

Featuring real movies! In 3D!

If you were here during the summer, you might recall my series that previewed the movies of the summer and I know it helped those who read it! Admit it! Without further ado, here's your fall previews!

### October

- **Secretariat:** Have you seen Seabiscuit? Racing Stripes? Pretty much the same thing there.
- **Jackass: 3D:** Do I need to write anything about this? Why do they need to make everything in 3D?!
- **Red:** Aside from having Morgan Freeman, this film also has Helen Mirren gunning down things like a champ! Yowza!
- **Paranormal Activity 2:** After a successful indie release, did anyone think they weren't going to milk it for all it's worth? Warning bells go off because as of now IMDB reports "the plot is unknown"
- **Saw 3D: The Final Chapter:** The "Final" is like the one in "Final Fantasy." As in, it's always the final chapter. Expect another one next year.

### November

- **Due Date:** RDJ meets Zach Giraffewhatshisface in this road-trip comedy. Ever feel like Z.G. is typecasted into playing the kook guy like Michael Cera is typecasted into the awkward teen? Anyone?
- **Unstoppable:** Morgan Freeman alert! Oh wait it's Denzel Washington this time. Stopping a really really fast train! It looks pretty off-the-rails awesome!
- **Harry Potter 7 part 1:** It actually looks fantastic, so uh... insert joke about Harry's rod? Err, wand!
- **Faster:** The Rock "Dwyane Johnson" returns to real movies after his time at family-friendly films in this Fast and Furious re-boot. (Oh wait, apparently that's not actually related to F/F. Huh!)

November is shaping up to be a real good month for movies! I'm totally stoked for Faster if only because of my mancrush on DJ. Next issue: Christmas movie previews!

Roger Ebert Panda

## Name that movie!

### Be Cool Hand Luke

Below are plotlines for movies I wish existed. See if you can figure out their names! Hint: The last word of the first movie will be the same as the first word of the second.(Answers on some later page...)

1. The Man in the Yellow Hat looks after an inquisitive pet monkey who becomes the first president of the United States of America.
2. Two men keep try to save the word after aliens threaten to blow it up as told by a carefree colt from an English farm.
3. Three women, detectives, with a mysterious boss work to solve a murder and prevent terrorist act against the Vatican.

prime8

## Police confirmed 9 is not in the top right corner of sudoku puzzle

*Number responsible for holding that position still unknown*

What started as an unproductive Friday morning turned into a mid-morning of discovery for officers Tracey Ulman and Royce Potter. After spending almost half an hour toiling away at a sudoku puzzle the pair came to the had eliminated 9 from the possible numbers to be written in the top-right corner.

“We have been toiling endlessly on this issue since well into nine o’clock in the morning when we had received the paper.” Reported officer Ulman, unveiling that many squares in the puzzle remain blank. “The creator of the puzzle has reported that this particular sudoku is one of great difficulty and will likely require the full attention of the majority of the police force well into the end of our shift.”

This revelation could not have come sooner as progress on the sudoku has been slow with very few leads becoming apparent over the course of the investigation. Many have been criticizing the police force for its inability to make strong progress on this problem. Especially when they have access to programs which can solve problems like this so that the police can focus on more pertinent issues like the crossword or the weekly jumbler.

The force has remained adamant that traditional methods will see the sudoku through to its completion in a reasonable time. “At this rate, we expect that we will successfully complete the sudoku in time for the sudoku with the Sunday funnies.

## NHL Quickhits

*Spoiler: Toronto Wins!*

I’ve started playing fantasy football with a buddy of mine, and we co-manage a team in a public Yahoo! league. Football is different from hockey, as I’ve quickly discovered. I’ve also discovered that my friend and I are both brutal at making 50-50 choices. Case in point: We’ve benched the wrong end of Michael Vick vs Matt Schuab for every week this season. In the meantime, here are the headlines for the NHL leading up to this friday:

- Toronto wins its first game of the season with a spirited 4-2 effort over the short-handed Canadiens. Kessel snipes his first of the season while Montreal was unable to compensate for the missing Cammalleri and Markov. (If I was right, this will look really awesome when it comes out Friday)
- Speaking of the above, Cammalleri only got a 1 game suspension for his slashing of NYI forward Nino Niederreiter. Should have been 2-3, since the action could have hit the throat pretty easily (IMO)
- Kyle Wellwood moves to Atlant of the KHL. Apparently he went to the bidder with the largest buffet selection.
- For those who don’t buy into pre-season numbers: The Flames went 7-0. Is Kipper for real?
- Does the NHL realize that they are opening the season with the high-intensity match-up of **Minnesota Wild** and **Carolina Hurricanes**? That’s almost as bad as the NBA starting their season with the **Nets** and the **Raptors**!
- Watched a game recently where **Rick Dipietro** was playing and playing well. I’ve got the injury over/under set at 9.5 games, any takers?

Hockey Fan Panda

## Spiral Out

*The numbers in Tool’s Lateralus*

For some reason, a surprisingly large number of Mathies seem to be fans of **Tool**, one of the most popular progressive metal bands in the world. It could be because of the band’s virtuosity, their affinity for prime time signatures, or the fact that their music is impossible to dance to, thus saving Mathies from the inevitable embarrassment of dancing in the first place.

One of the band’s most mathematical songs is (somewhat surprisingly) also one of their most popular. *Lateralus*, from their 2001 double-platinum album of the same name, contains dozens of time signature changes seamlessly integrated with deep philosophical lyrics and powerful instrumentation. On first listen, the song flows beautifully and seamlessly from bar to bar while the lyrics evoke imagery of spirals and metamorphosis. However, when analyzed, the mathematical brilliance of the song becomes very clear.

The song begins slowly and quietly, until the lyrics start almost exactly 1.618 minutes (or phi, the golden ratio) into the song. The syllables of the verse’s lyrics, when grouped by pauses, form the start of the Fibonacci sequence (from 1, 1, ..., 13 then back down). The song’s chorus then follows a pattern of time signatures: 9/8, 8/8, 7/8 — a slowly descending pattern that brings a sense of convergence to the beat. This pattern of 9/8/7 also happens to be the 17th number of the Fibonacci sequence (987).

Although it would be amazing if all of these mathematical properties were purely coincident, Tool is known for using a lot of mathematical and geometric properties in their music. I would highly recommend their entire discography to any Mathie looking for some intellectually-stimulating (or just *really awesome*) music.

seven-eight

## Video exonerated in Radio Star murder

After spending over 30 years in prison, falsely accused Video was finally able to walk free from its imprisonment and back into the real world. Recently acquired DNA and circumstantial evidence have been uncovered which proves beyond a doubt that Video was not responsible for the heinous crime.

In September 1979 Star was stabbed using a common kitchen knife in its own home. Neighbors heard the unusual noises and alerted authorities. By the time EMS had arrived, Star had no AM reading and was declared officially dead.

Video, the primary suspect in the murder case, had pleaded not guilty; however, mounting evidence against Video was found by a jury of its peers. A review of the case revealed that evidence pivotal to the case may have been withheld or tampered.

Having served more than thirty years in prison, Video is now walking free to do whatever it wants including showing near-pornographic material, bloody violence, and drug-use under the condition that there is to be no foul language.

The Hee Ho

**Everybody gets one (filler)**

**No really give us a break this issue is 24 pages!**

**The editors**



## Homework Drinking Game

*Or, "How I finished a 40 of scotch"*

As many of you may have figured out, Homework isn't very fun. Even when it is fun, it's not as fun as actual fun, just sort of "Well, this isn't so bad" kind of fun. This is why, in my eternal quest to come up with ways to fill my life with hedonism and avoid any kind of adult responsibility, I came up with a homework drinking game! So, without further ado:

### *Computer Science*

- Take a shot if the makefiles provided by the prof have bugs you need to fix.
- Drink for every segmentation fault.
- Dirty Hack? That's a drink. Dirty Hack immediately before the deadline? Finish your drink.
- For every test you run against Marmoset because you're too lazy to test yourself, take a drink.

### *Calculus*

- Every time you ask Wolfram|Alpha to show you how to integrate, drink.
- Whenever you do integration by parts, take a drink when you select the wrong "u".
- If you forget the "+ C" at the end that the marker will use to subtract marks, do a shot.

### *Linear Algebra*

- Screwed up a row operation? Drink!
- Forget how to determine a determinant? You know what to do.
- Confused your eigenvalues with your eigenvectors? Again!

### *Algebra*

- Anytime you resist the urge to end a proof with "Q.E.D, bitch!", take a shot.
- Any time you fail to resist the urge and actually do, finish your drink.

### *Any Arts Class*

- Drink.

Corrupted  
eira

## The One that I Gave My Kidneys To

After careful reconsideration, I came to the conclusion that donating both my kidneys may have not been such a good idea. As such, I would like at least one of them back if possible. At your convenience, drop 'em off anytime at the *mathNEWS* office. I anxiously await the return of my organs.

bleeding to death,

Guy without Kidneys

### Answers: Name that movie!

1. Curious George Washington
2. Men in Black Beauty
3. Charlie's Angels and Demons

prime8

## I Suck at writing for *mathNEWS*

I have come to the startling conclusion that I, in fact, suck at writing for *mathNEWS*. I have realized this after thinking deeply for a grand total of about five minutes. I spend much of production night either messing around on the Internet, doing homework, or eating pizza. I frequently ask other writers for ideas, and this is where most of my good ideas come from. As well, I am horrible for writing lists of random shit nobody actually cares about. Thus, I suck at writing for *mathNEWS*. But, I'm probably still better than much of the math faculty, since I passed the ELPE.

My first major problem is that I horribly procrastinate for coming up with ideas and actually writing them. The average production night for me consists of writing my one good idea and finding that it actually sucks. I then spend copious amounts of time "thinking about what I should write" ... where by "thinking about what I should write" I mean "spending time on Facebook". I also spend a fair amount of time thinking about the questions from my homework I haven't solved. Basically, I show up, write a bit of crap, then go eat free pizza.

Many of my "good" ideas are actually stolen from the other writers. When I have exhausted my own ideas, I loudly inquire as to whether anyone else has any ideas. If I hear one that sounds good, I then write an article on that. If I don't have any good ideas and I don't hear any, I make a random list about something that sounds funny in concept. But in reality, nobody cares about it.

Despite all of my (many) failings, I am still better at writing than most people. I at least have a desire to either (a) Write for a publication; or (b) get free pizza for a few hours of really no work. So, I may not be a very good writer, but I'm the best they've got, so they'll just have to deal with it! And I get free pizza. And I'm still better than a lot of the math faculty at writing.

!!theNewGuy

## Hats, and why you should wear them.

Look around you. What do you notice? That's right, bare heads. People who hate hats, or don't care to wear them. This needs to change.

There was once a tradition in our society that people should cover their heads. While I do not agree that this should be mandatory, the need for headgear developed some very fashionable pieces which people should take a look at, and consider wearing day to day. They add a bit of class which could be used in modern society. For each issue after this, I will write an article talking about a certain style of hats.

Today's article will be about the fedora, a staple in the journalism profession, and a personal favourite of most of the editorial staff. They are usually categorized by their indented crown, upturned brim, and fabric band. There are a variety of styles of fedora, with wide or narrow brims, high or low crowns, coloured bands and many other small modifications. They come in a multitude of colours and fabrics. Pick one up today online, or at your local haberdashery.

GroovyED

An offstream editor

## Errata for the Errata

Some of you may have noticed an article published earlier in this issue with errata to an article printed in the previous issue of *mathNEWS*. It has come to our attention that this article appears to be well-researched. To correct for this, the following errata are being issued:

- This article appears to have been written by a Brit. In order to correct for this, please remove every use of grammar.
- There is a mention of the editors having a responsibility to reject inaccurate material. Replace the word 'reject' with 'accept'.
- The article describes the new Pencil Policy as 'prudent'. This does not comply with the guidelines issued by the Math Undergraduate Office, which require that the Policy always be described as 'the greatest thing to grace exams since cheating'. Replace 'prudent' with 'the greatest thing to grace exams since cheating'.
- It appears that the author of the issue did not quite understand the function of `vi` as the best editor of all time. Emacs users are directed to C-g M-x gallsows. Delete anything that might suggest otherwise.
- There is a complaint about the implementation of 'ed' described in the article. After a brief testing session, the implementation of 'ed' in the original article is confirmed to be correct, modulo the entirely correct and entirely reprehensible syntax error, which is disrespectful to John Cleese himself. Delete the complaints about the quality of the implementation.
- The complaint about *mathNEWS* name indicates a fundamental dissonance with the right of *mathNEWS* to have free speech, and to abbreviate the word 'mathematics' as they choose. *mathNEWS* sentences anyone who believes otherwise to spend the rest of their lives with anyone who believes that 'mathematic' is a word. Delete the complaint about the newspaper having the wrong name, because *mathNEWS* is perfect.
- There are references at the bottom of that article that unfairly tarnish *mathNEWS* reputation for quality research. Delete them.

We apologize for the shoddy quality of this article.

Algoweird

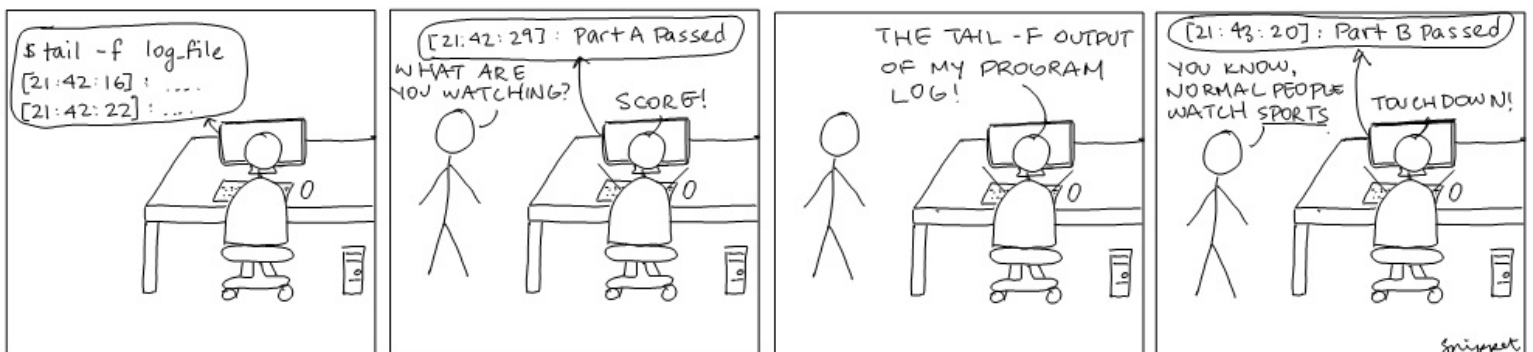
## Why Brainstorming Doesn't Work At *mathNEWS*

*Pornography, Hitler, and Other mathNEWSian Wonders*

The following are questions brought up:

- Do anchovies have souls?
- Is there a porn about that?
- How do you love yourself?
- How many could she fit in her [mouth]?
- What do you do with Imprint?
- If you went back in time would you rather have sex with Eva Braun, or kill Hitler?
- If you went back in time would you have sex with Hitler's mother, in turn becoming his father?
- Can I drink the single *mathNEWS* bottle of Orbitz?
- Did that guy on the internet really sleep with my mother?
- Why did you bring a gun to production night?
- When did Gandalf start a dancing troupe?
- Doesn't Richard Stallman have disciples? Where do I sign up?
- Where can I get a manta ray launcher?
- Can a beaver be damned?
- Would you chuck a woodchuck into a woodchipper?
- Why would it climb up a urethra to sing?
- Why haven't the hippies overdosed yet?
- Would George Orwell be king in an Orwellian society?

Tbor



# Skodka

## The drunken union of Skittles and Vodka

### Step 1: Preparation

First, we must gather materials for our soon-to-be delicious concoction. The first (and arguably most important) ingredient is, of course, **vodka**. The second is **Skittles!** It's easiest (and least expensive) to buy these in the bulk area of your local grocery store. The first vital step in preparation involves separating the Skittles by colour. You will also need a sealable container for each colour of Skittles you wish to use. You will also need a copious number of coffee filters.

### Step 2: Mixing and Measuring

This step is surprisingly easy. Simply fill about one third of each of your containers with Skittles, one colour per container. Then fill up the rest with **vodka!** It's best to do this in the evening so it can be left overnight. For optimum dissolution, try to shake the containers at regular intervals.

### Step 3: Filtering

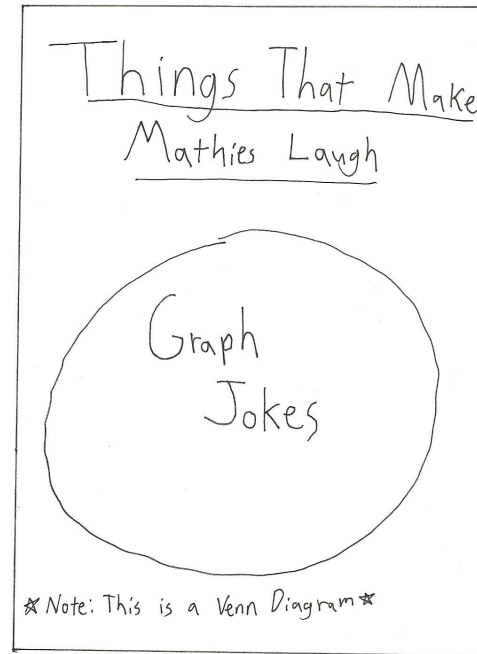
This step is definitely the most difficult. Use coffee filters with rubber bands holding them to filter the remaining pieces of Skittles from the raw skodka (if you have a better method I'd love to hear it). This step can be quite slow, so do so well before the party is due to start! If you're impatient, you can always just squeeze the filter to expedite the process. **WARNING: SKODKA STAINS! BE CAREFUL WHEN PREPARING.**

### Step 4: Consumption

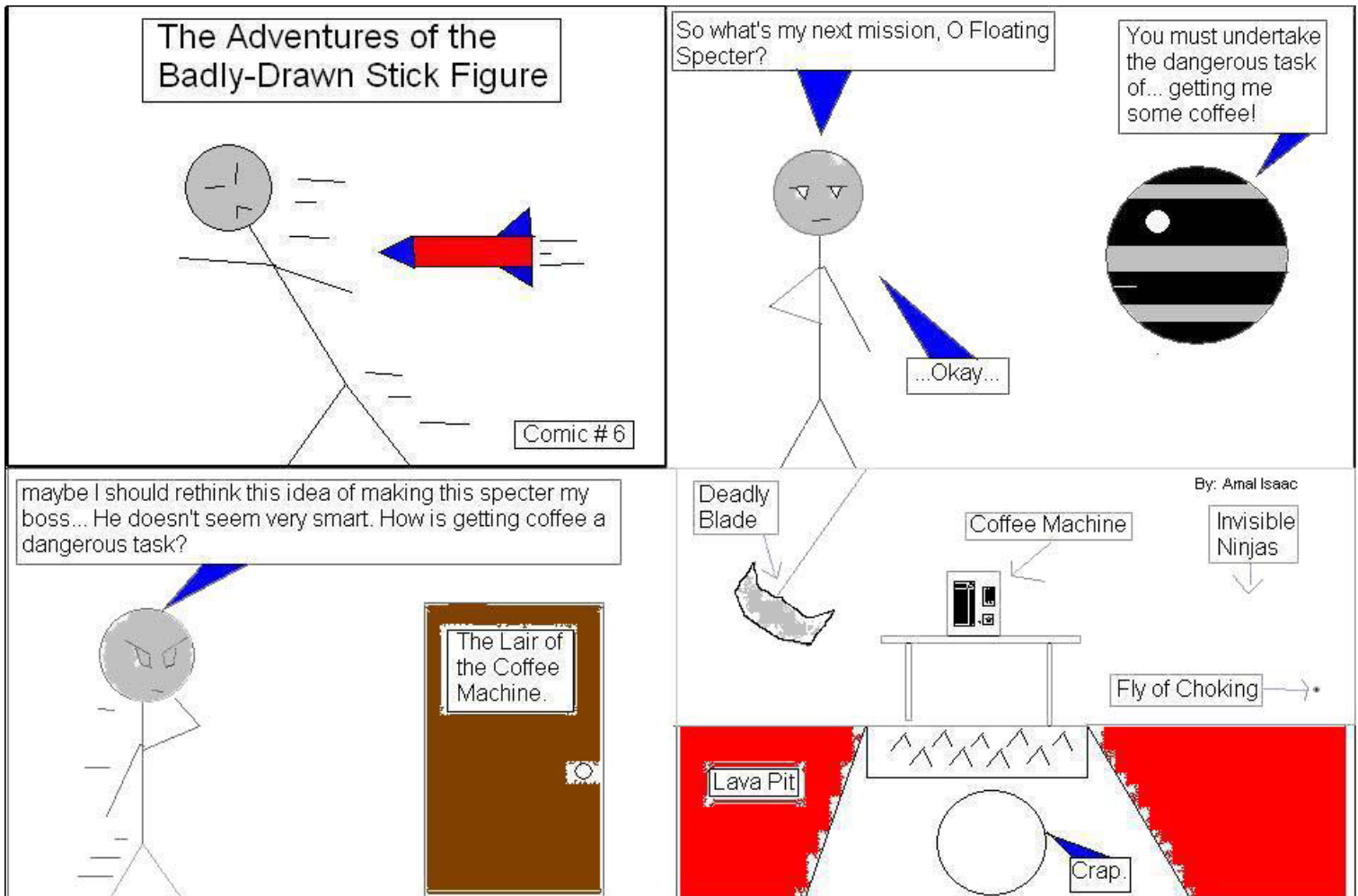
This is by far the easiest and most enjoyable step. In my opinion, skodka is best consumed in shots, but it can also be mixed

with beverages like Sprite to drink it more casually. If you end up with leftovers, (a sign of a disappointing party,) you can always throw the remaining skodka in the freezer for next week-end. **Enjoy!**

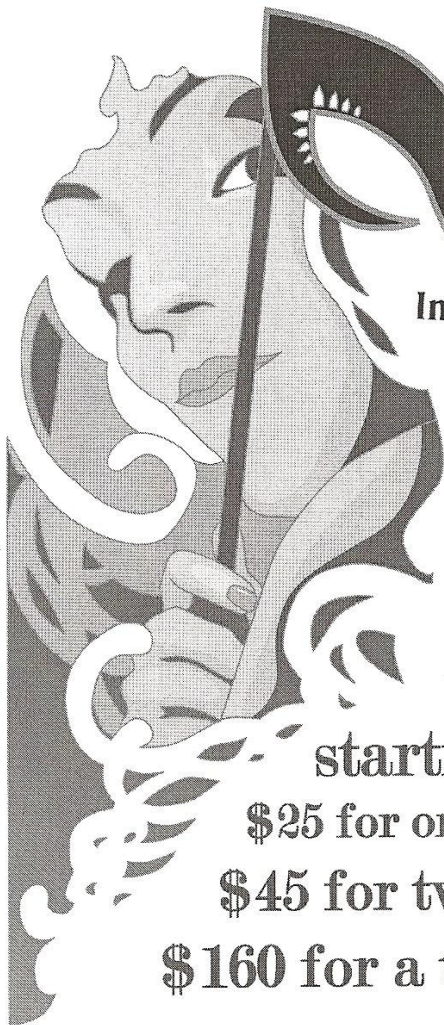
B Laggard



the Dreamer



UW Math Society proudly presents  
the 13th Annual Math Charity Ball



# MATHQUERADE

In support of  
**Canadian Blood Services**

Tickets include a multicourse dinner,  
live entertainment, auctions,  
and a night of dancing.

**Tickets sold in MC3038**  
**starting October 12th**

**\$25 for one**

**\$45 for two**

**\$160 for a table of eight**

**Saturday**  
**November 20th**  
**6pm - midnight**  
**Federation Hall**





# Introducing *mathNEWS* Caption Contest!!!!!!!!!!

See the picture above? Right...Right? Ok well make it funnier. Much much much funnier. Do that by writing us a witty caption for it! And if you do that (and do it better than everyone else) we promise to give you an awesome prize\*. The funnier the better. This will be judged by some of us Editors as well as the person who took the picture (they are just as crazy as us, we promise.) So send us the funniest thing you can think of in one of the two ways that is listed just on the right (look over to the right side of the page.....Now)

The Editors

**Either throw your submission  
into the BLACK BOX**

**OR**

**Email us (the editors) at  
[mathnews@student.math.uwaterloo.ca](mailto:mathnews@student.math.uwaterloo.ca)  
with the subject heading: caption  
contest!**

\*Awesomeness subject to interpretation. The prize may or may not be visible under ultraviolet light. Use of exclamation mark may be required for consideration.

# The One I Gave My Heart To

I really hope that you're reading this. Ever since that day, I've been looking for you. I really hope you're okay right now. I'm just extremely worried right now, that my head is hurting. My heart is pounding, I can't wait any longer. Please, I hope you're reading this.

I know that we've had a shakey start in our relationship before, but we went over that before. Remember the countless nights we spent together? The jokes we shared, the moments we shared. I remember each and every one of them because, well, because it was with you. I really really love you. I love you so much.

When you went missing, I didn't know what to do anymore. My mind just broke down without you. Even now, I can barely keep myself from crying while writing this. Please be okay. If you're not, I don't know how I could live on without you. God, I really wish you'd come back alright to me. I hope nothing bad has happened to you.

Alright, I have to remain strong. I remember the moment I realized that you went mysteriously missing. When I went down to my basement to see that the chains against the wall were broken, I knew something was wrong. I don't know what condition you're in now, but there was a trail of blood exiting the basement. I know from the broken bones and blood loss you had that you can't survive without me out there.

I remember how each one of the scars of love were created. The whips were tried on you, how you whaled in pain each time it struck your back, it was such bliss to me. You know exactly how to arouse me, with your cries and whimpers in the night, and the moans of pain you made.

Do you remember the pliers? How we put your fingers against the work table, as I slowly twisted each finger off on your right hand. I remember that you were gagged at that moment, saliva dripping down your face, eyes wide. Oh, you were so cute then. I couldn't hold back. I remember licking the wounds, licking your face. Ah, I can still remember the taste, the delicious taste.

Remember the rack? How I was lustfully straddling you while the ropes pulled on every limb of your body? It was one of the best experiences of my life. The feelings I had, the pleasure I experienced, the look of anguish you were giving me. These are the nights of love I will never forget.

Writing about our moments of intimate love makes me somewhat embarrassed, but I just wanted you to know that like you, I cherished each moment of it. I'm turn red each time I think about it, but, I feel somewhat excited with the potential of others reading this. Oh, I hope I'm not weird for that.

Hopefully you are safe and sound, so I don't have to worry anymore. I'll be waiting for your safe return, I hope to take our relationship to the next level at that type. I love you, I really do love you.

Girl with the worried heart  
and broken chains

## AMATH/PMATH 331: Applied Real Analysis - A Review Of The First Month

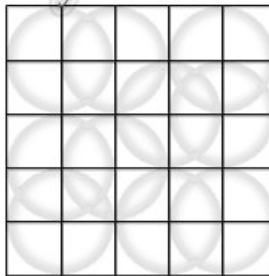
Limits. Supremum. Infimum. Boring as fuck. MATH 147, and MATH 138 cover the same content. I want to know how they think this can be considered a 3rd year course.

We had better be getting into something interesting soon or I'm going to punch someone.



-girl with bloody scissors

umbrellas



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

61	10	45	71
86	67	14	61
14	54	46	54
17	54	49	82
99	97		
58	83		

Puzzle courtesy  
of euri.ca

# Nooks and Crannies

*AKA places to hide bodies*

So you're looking for somewhere to hide your roommate's/ex's/professor's body, for whatever reason. In this article, I will detail the best spots for this, broken down into ones that might accommodate a whole body, for quick and easy disposal, and ones where you may have to spread the pieces out into separate spots.

## Some Dissassembly Required

Those holes in the DC in the sides of the floors. Go for the ones near the stairs if the cops are actually after you at the moment (shame on you for making it so obvious) or the ones further away to reduce the chances they'll be found

Drop boxes: As if professors have enough time between marking, creating tests, preparing for lectures, lecturing, and basic upkeep of personal organic systems to take various body parts down to the police station. Just make sure they're wrapped up so it doesn't make the assignments hard to read, otherwise they may find the time to track you down and kill you.

Lockers in engineering buildings: Nobody ever looks in there. I've found anything from shoes, to textbooks from the 80s, to full cans of beer. Seriously, if there is unopened alcohol lasting that long in an engineering building, you know that various bleeding things aren't going to draw a second glance.

## A solution to the Three-body problem

The chemistry/bio building: It smells funny anyways, nobody will notice another bit of decomposition happening. Look for the doors down to the basement and stash it between the boxes of dead beetles.

The Imprint office. The fact that they'll write an article on it practically guarantees nobody will care about it.

The sixth floor of MC: The perfect spot. Nobody will ever find it, and if they do, they're likely to be a starving lost student who will eat it. Tape it to a Roomba or two so it transports itself into the maze without the risk of venturing in there yourself.

!case

# gridCOMMENTS

*Norge er vakker denne tiden av ret*

It seems that, in keeping with tradition, I have as my predecessor before me made the Quick Clues too challenging. I received only a single submission to the Quick Clues for last issue, which was incomplete. There were twice as many completed solutions to the Cryptic Clues, although one had a single letter wrong. Of course, it could be that everyone is too lazy to submit their solutions to the *gridWORD*, and so I urge you all, stop that. Apathy will not be tolerated. Submit your grids; even if they are incomplete or incorrect, you could still wind up winning! Simply inscribe your name and answer to the *gridQUESTION*, and drop a solution, complete or not, into the **BLACK BOX** on the third floor outside the Comfy Lounge.

Last issue's *gridQUESTION* was, "Forsooth, upon yonder hill across the moor, a shadowy figure doth approach; but pray, sirs and madams, why does he ride with such ferocity?" Our winner of the Quick grid was Sean Hunt, who left six words blank, whose answer was "Car"; the Cryptic grid was completed successfully by Daniel Misiewicz, whose answer was "To get to the other side". I'm not entirely sure how the former is an answer to the question, but it was the only submission, hence its quality is irrelevant. You may both claim your prizes at the MathSoc office, MC 3038.

The *gridQUESTION* for this issue is, "What piece of ancient eldritch lore should all Math undergrads know?"

-perki

# Last Week's Solutions

## Drywallen

"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."

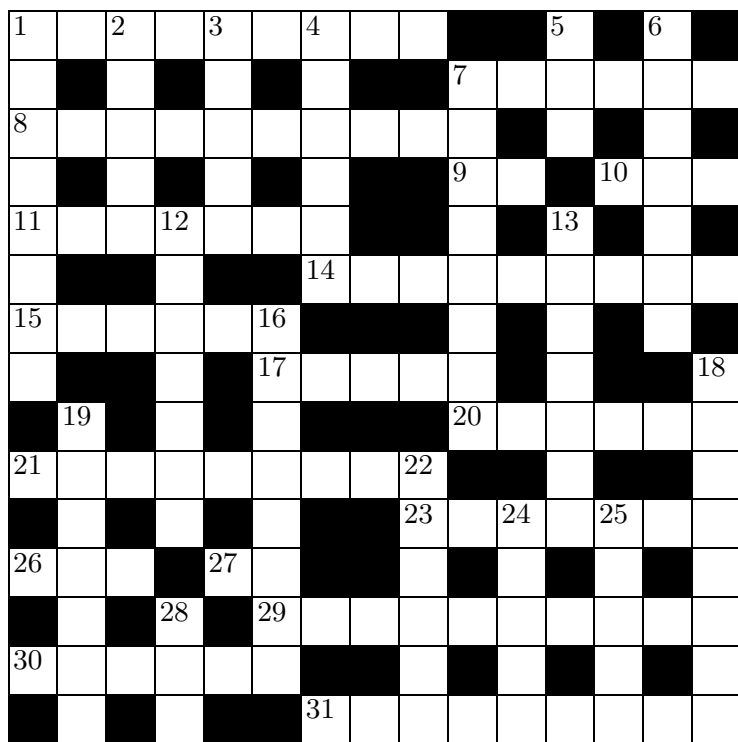
Also:

- There's a wall around the outside
- They want exactly 13 rooms

3	2	1	1	1	2	4	3	1	2
3	1	0	0	0	1	2	2	1	1
3	1	0	0	0	2	2	2	1	1
2	1	0	0	1	2	1	2	2	1
2	2	1	1	2	1	0	1	3	3
1	1	1	1	2	2	1	2	2	3
1	0	0	0	0	2	2	2	3	3
2	1	1	1	1	2	1	1	2	2
3	3	2	1	1	1	0	1	1	1
3	3	2	1	1	1	2	2	2	2

Puzzle courtesy  
of euri.ca

C	C	U	B	R	I	S	T	E	S		C	E	R	A	T	O	M	B							
H	R		S	A		U	A		S	S		O	A		E	R		H	A						
R	Y	E	O	S	I	K	N	S		I	E	M	L	M	I	E	T	R	I	S	S	E	T		
Y	P		E	D		L	T		N		M		P	L		T	G		R				T		
S	T	E	E	T	R	T	R	I	I	N	F	G	I	S	C		F	P	I	A	L	L	M	L	
A	O						G	E			S	C			F	R			G	M			O	E	
N	G	E	U	I	E	G	S	H	S	B	T	O	I	M	R	A	H	T	O	I	O	N	D	G	
T	R			R	N			T	T			N	R			U	G							Y	R
H	A	E	N	I	T	R	E			I	S	G	N	E	I	N	T	A	I	R	O	I	N	O	
E	P			D	H			S	L			I	L		T	A			D	O				U	
M	H	O	I	R	S	M	T	O	E	N	E				I	R	D	O	I	O	I	M		N	
U	E			U	A			A	K			G	S			E	O			O				I	D
M	R	E	E	M	L	O	A	R	I	Y	D			E	S	R	K	O	A	T	I	E	C	S	



### Quick Clues

*Across*

- 1. Purple quartz gems
- 7. Divine incarnation
- 8. Straight line arrangements
- 9. Father
- 10. Sphere
- 11. Small axe
- 14. Forever
- 15. Legendary
- 17. Pleasure craft
- 20. Bannished
- 21. *mathNEWS* production period
- 23. Abhorrent
- 26. Fancy suit
- 27. Transcendentally delicious
- 29. Fellow student
- 30. STAT 231
- 31. Dissertations

*Down*

- 1. Excommunication
- 2. Official proclamation
- 3. Suspicion
- 4. Lithe
- 5. Crusade
- 6. Victory wreaths
- 7. Inhale
- 12. Accomplice
- 13. Last defense
- 16. Disenchantment
- 18. Long voyages
- 19. Water lilies
- 22. Fancy chair
- 24. Small island
- 25. Hydrated silica gemstones
- 28. Enthusiasm

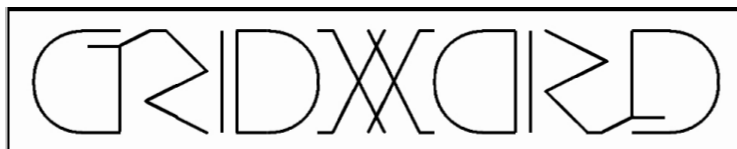
### Cryptic Clues

*Across*

- 1. Rigid feline on inside heartless minute (9)
- 7. Ideal location up without small round vegetable details toad surrounding pi (6)
- 8. Surviving memorial doesn't start within supposition to us worthy of celebration (10)
- 9. We, the fifty states (2)
- 10. Likely apart without lidless jar (3)
- 11. Unusual rodent found in scrambled rice (7)
- 14. Device lens confirmation surrounding dessert ice not starting after drug (9)
- 15. Heart of gnat confusedly helps juvenile dragonflies (6)
- 17. Spread without beginning makes vocal expression (5)
- 20. Initially lacking pain outside emptied yacht after small agricultural mower (6)
- 21. Beginning cheating is something remarkable before friend wins chess (9)
- 23. Affirming instruments of sight do not begin to sing (6)
- 26. Offspring monkey without small check (3)
- 27. Within India without a Spanish day (2)
- 29. Public display breathing out with no beer before I took a bite of headless lion (10)
- 30. Something empty in an emergency room (6)
- 31. A son inside a knight going west eats outside without each shortened fire setters (9)

*Down*

- 1. Failing grade inside coffee shop in natural base stimulant (8)
- 2. Short tea lier scrambles tile layer (5)
- 3. Silent city lacking southern tip below endless tab (5)
- 4. Memo in a cake not iced (6)
- 5. Sounds like drowsy sigh over there (3)
- 6. First baby bottle mouthpieces, then bank password goes up before heartless sleep (7)
- 7. You, sir, without me going up after scrambled purse is used without authority (8)
- 12. Greed of all rice (7)
- 13. Zebra without female undergarment shortens phone after years without each breeze (7)
- 16. Total endless money starts rally, calls people together (8)
- 18. Unlimited treat above shortened gentlemen used in synthesis (8)
- 19. Shark without headless Noah boat mans magicians (7)
- 22. Heart of keys scrambles king bird's nests (6)
- 24. Small science on descendant (5)
- 25. Headless lives scramble after I climb vines (5)
- 28. I hear inside the hotel (3)



Submit before October 18th (*gridQUESTION* on page 23)

Name: \_\_\_\_\_