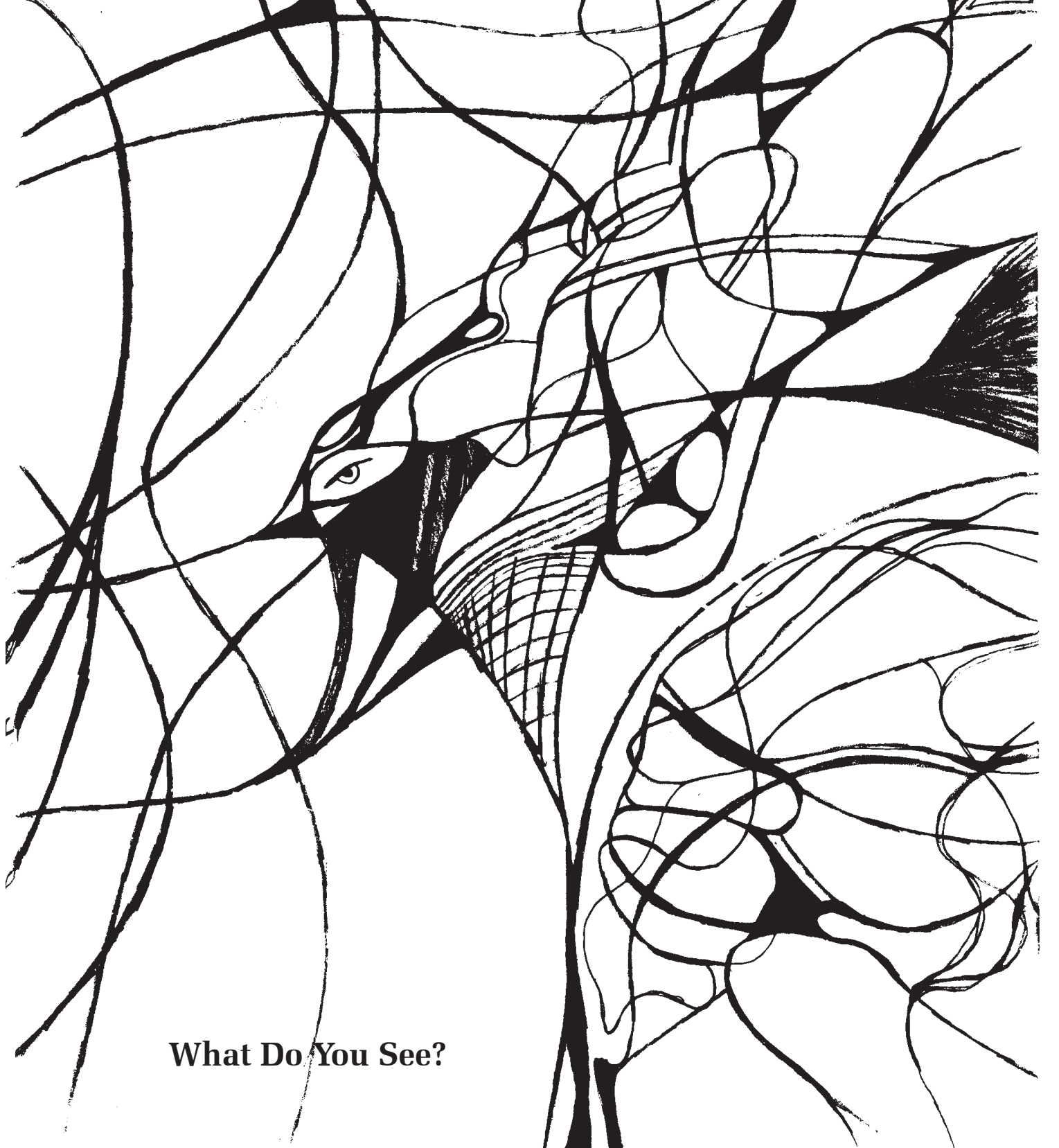


# *month*

# NEWS

Volume 84, Issue 2

Friday, October 6, 2000



What Do You See?

## Prez Sez

Hi everyone!

Things are really starting to get going in the world of MathSoc. There are a lot of activities and events coming up that you really don't want to miss. We have a great group of volunteers keeping the MathSoc office open, but we still need more help.

PLEASE let me know if you are interested in helping out with our upcoming charity ball. We need people to help with ticket design, sponsorship, and decorations. If you only have a couple of hours to help out, there is still something you can do. Let me know you are interested as soon as possible at prez@mathsoc.uwaterloo.ca

There is not really much happening in terms of academic changes. Midterms are coming up fast, so if you are looking for some old midterms try out the online exam bank or visit the MathSoc office. These can really come in handy. If you have any questions or suggestions about things that MathSoc should look into, please let me know (prez@mathsoc.uwaterloo.ca).

*\*\*\*Orientation 2001\*\*\**

Nominations are now open for Orientation Director for 2001! You can pick up a nomination outside the MathSoc office or from our website. Nomination forms are due by 4:30pm on Wed, Oct. 11<sup>th</sup>.

If you would like more information about who is eligible to hold the position, please let me know (prez@mathsoc.uwaterloo.ca).

Jennifer Cote

## VPAS Sez

Well, things are slowly but surely getting organized around here. For the first few weeks I resembled the pirate in the Simpsons giving Homer a raft... "Yarrrrr. I don't know what I'm doin'". Rest assured, however, that I am NOT sinking to the bottom of the river, but doggie paddling against the stream. Maybe soon I'll learn the breast stroke.

What this means for you is that the social events you've come to know and love are taking shape. Next week we'll be running our own edition of "Who's Line is it Anyway?" Everyone will be given the chance to improv if they want to, but even if you don't, we'll need audience members to suggest wacky ideas for our performers. If you've ever seen the show, you know what I mean.

Pub Night will be on Friday, October 27<sup>th</sup> (so don't throw your own parties that night, we'll have our own big one). Come out for the dancing, the door prizes, the theme (which we'll be announcing shortly). It's cheap pitcher night, for those of you who don't frequent the Bomber all that often.

I am also looking at organizing a trip to an indoor rock / wall climbing place. A sign up sheet will be on the Mathsoc office door by the time you read this, so if you are interested... well... you know how to write your name, don't you?

Other than that, the white board will have updates on the status of your events (now that I have the whiteboard markers, finally), and my faithful social director Liam has more events on tap. So go read his article. Any questions, comments or suggestions can be sent to myself in the exec office or at vpas@mathsoc.uwaterloo.ca.

Ike

## Social Sidebar

Hi, I'm Little Liam Dorey, and I'm your social director this term. Excited Yet????!!! :) ...ok so here's the deal. Friday, Oct 6<sup>th</sup>, will be the next Cotton Candy Day (that's today). Those of you who participated in SCUNT are probably not interested... if you are... wow... that's some sugar addiction.... so come buy some cotton candy, .75\$ for one, 2 for a loonie. Running hours are from 9:30am to 2:30pm, approx.

Two weeks after that, on the 19<sup>th</sup>, we are building a popcan Pyramid with 5525 popcans... This pyramid will be around 10' high, will have 25 levels, and a base of 25 popcans by 25 popcans... I will be collecting popcans for this event over the next 2 weeks (and cleaning them). If you want to help me... you can e-mail me at ljdorey@uwaterloo.ca. We'll start building early on the day of the event (around 10:00 or so...) and finish... when we're done... or we get really really tired of it... On a side note somewhere between the Cotton Candy Day and the Popcan thing is "Who's line is it anyway?", read the VPAS article.

There will be a pumpkin carving contest on October 31 (Halloween). I need to know if you want participate now so I can get the funding for the pumpkins together... please register your team with me via e-mail (ljdorey@uwaterloo.ca) ASAP! The other event currently in the works is a trick or treat for the food bank on Halloween night. If you want to come out and get dressed up, e-mail me at ljdorey@uwaterloo.ca. If you have a car and are willing to let us fill it with canned food, please let me know... the more cars we have the easier this is... point of interest, most ppl are really nice and give us candy too... :)

Other than that, Pub Night and Charity Ball are coming. Pub Night is the 27<sup>th</sup>, and the theme is something... :) ...if you have ideas unrelated to Halloween for Pub Night, the e-mail thing is good. Until next time...

Liam Dorey,  
Social Director

# MGC!!!

*We have big titles, and small itsy bitsy sub titles, woo hoo!!*

MGC has acquired a small pile of tickets for Karlsberghaus at the Kitchener Memorial Auditorium for Friday, October 13<sup>th</sup>, University night. Tickets are \$8.00 a piece and can be purchased during MGC office hours, posted on the MGC office door.

Kitchener transit is providing free bus transportation for the evening and busses are running extra late. We may also organize a group to go down together. Check the MGC door.

Last Wednesday, we should have had a wonderful night out. Starting with group pictures, and then heading to the phoenix roller rink... followed by back door to the bomber!

Remember to get your pizza next Wednesday, and keep an eye out for more upcoming social events.

Peter Lizak

## How To Write

for mathNEWS, that is

People ask me lots of questions. Sometimes it's "Can you find a closed form for the integral of  $x^x$ ?" (Of course I can.) Other times, it's "How can I become sexy like you?" (Cut your hair short.) Still other times, it's "What are you doing with my wife?" (You'll be happier if I don't tell you.) Those are all fun questions, but the one I like the best is "How can I write for mathNEWS?" I like this one so much that I've decided to give you the full answer right here, right now.

It's really a pretty easy thing. If you have writing, artwork, or any kind of material on paper, drop it in our BLACK BOX on the 3<sup>rd</sup> floor of the Math building (opposite the comfy lounge) or throw it into our mailbox in the MathSoc office (MC 3038). [Make sure to include your name by the way. You can ask for it to be withheld under a pseudoname, but we need to know who to blame if someone tries to sue us. — HoloEd]

Of course, it helps our collective carpal tunnel syndrome if you can send us your writing in electronic form. How? Simply send an e-mail to mathnews@student.math.uwaterloo.ca, with a subject line of "article". If you work in the undergrad environment and you have a file named "myarticle.txt" that you want to submit, you can simply type:

```
mail mathnews -s article < myarticle.txt
```

and everything should be good. You'll get a confirmation back from our automated system almost instantly.

There's just one rule to remember: **Don't send files as attachments.** If you have a file that you would otherwise attach, use the above procedure with it, or cut-and-paste it into a regular e-mail message.

Actually, there's a second rule: **Don't send us Microsoft Word documents.** While we all appreciate the letter-crunching power of Word, we can't do much with the files once you send them to us. So please stick to plain text.

Some people want to send us Word documents in order to show us how they want their articles formatted. We do want to know how you want it to look, but Word is just not the way. If it's possible to explain it easily, just put a note at the front

of your article. Or, you can get our official article template by sending e-mail to mathnews@student.math with a subject of "template". This gives you a brief introduction to our system of article mark-up, which is a variant of XML (it's kinda like HTML).

The most important thing of course is to write. And draw. And solve our puzzles. Let your creativity flow into the pages of mathNEWS. Because a good article is never without a home.

Richard Bilson

## What has MEF done lately?

MEF has made some financial contributions to the following clubs in the last term: Teaching Students Association, Pure Math Club, MathSoc and CSC. MEF allocates approximately \$20,000 each term for projects that help to enrich the life of as many Math students as possible. If you'd like more information drop by the office, or email me at mefcom@undergrad.math.uwaterloo.ca.

*Have an idea?*

Do you want funding for something that will enhance the academic life of a Math student? Maybe MEF can help? Funding proposal deadline is October 20th, 5:00pm. Forms are available online at the website: <http://www.undergrad.math.uwaterloo.ca/~mefcom/>.

*Funding Proposals — Have your say!*

Join the council. There are only three meetings. A quickie in the week of October 16th, the big one in the week of October 23rd and another short one in the first week of November. Nominations are open until late October 20th, 5:00pm. Nomination forms can be picked up at the MEF website at <http://www.undergrad.math.uwaterloo.ca/~mefcom/>.

Any questions? Just email: [mefcom@undergrad.math.uwaterloo.ca](mailto:mefcom@undergrad.math.uwaterloo.ca) Have a great term!

Natalie Thompson  
MEF Director, Fall 2000

## lookAHEAD

### mathNEWS

October 6	Issue #2 finds its way into the sun
October 16	Issue #3 production night 6:30pm, MathSoc (MC 3038)
October 21	Issue #3 passes its midterm

### Math Faculty

October 9	Course Drop Deadline
November 1–3	Spring Term Pre-Registration
November 3	Course Withdrawal Deadline

### MathSoc

Wednesdays	Movie Nights
October 6	Cotton candy day
October 11	Who's Line is it Anyway?
October 11	Deadline: Orientation Director Apps
October 19	Popcan Pyramid
October 27	Pub Night
October 31	Pumpkin Carving
October 31	Trick or Treat for canned foods

### MGC

Wednesdays	Pizza Sales
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### October 13

Oktoberfest at Karlsberghaus

### MEF

October 20

Funding Proposal Deadline

October 20

Council Nomination Deadline

### Co-op

October 7

Additional Posting #7

October 11

Additional Posting #8

November 7

Ranking Day

### Miscellaneous

October 9

Thanksgiving

October 6–14

Oktoberfest!

October 14

Cross Campus CTF

October 17

Today is October 17th

October 18

Electronic Arts Information Session

October 29

Set your clocks back

October 31

BOO! Happy Halloween!

## SCUNT to the Future

### *The Math Legacy Continues*

Another term, another scunt.

Well, the points are in, the arbitrary judging is done, and we mathies have yet again proven that second is indeed more fun than first! Congratulations to everyone who came out! And those of you who didn't...well... read on and learn or maybe you'll be able to catch the video reruns.

For those of you who got my mass e-mail you're probably saying "Hey! This is exactly what he wrote last time!" and you're right. But some people didn't have the joy of reading the first version so I'm including some of it here (less all of those annoying typos... 'nuf said).

In something resembling order here's what happened:

At about 4 p.m., 48 hours before SCUNT starts, Dan Pollock, illustrious grand master of the math scunt team suddenly realizes that he hasn't actually prepared anything yet and mass e-mails the mathie mailing list. Judging by the number of people who showed up for SCUNT that was more than enough. Way to go Dan! You have shown yet again that the only thing necessary for a great scunt team is the indomitable spirit of the Math Faculty. Hopefully the same lack of organization works just as well for math assignments...

Following the organizational meeting, mathies set to work on a construction project in the theme of this year's scunt: Scunt to the Future. We had a team, we had spirit, all we needed was a method of transportation. And thus, the DeLorean was born. Take one legally owned, decidedly beat up shopping cart, add random cardboard scrounged from campus dumpsters and stolen from beneath the engineers' noses at Poets, tie the whole thing together with duct tape and spray paint. Add in a series of cardboard accessories, friendly janitors, random police visits and a whole lot of no sleep and what do you get? One really cool car! Thanks to everybody in the DeLorean Crew and just because the car fell apart doesn't mean we didn't do a good job. It just goes to show that nothing you build at 4 a.m. is going to have a very long lifetime.

So, you've read this far and I still haven't gotten to the scunt events! Guess that goes to show that a whole lot of organizing goes into scunt... But now it's finally time to talk about all the crazy things our fellow mathies did on our way to coming in a surprising second at this year's EngScunt. In no order whatsoever (cause I'm too lazy to try):

### *The Human Bricks*

The Goal: Build a wall out of anything EXCEPT useful materials. The Solution: Pile mathies on top of each other, add mashed potatoes and leave them to bake in the sun for 15 minutes. In the words of one brick: "You know being on the bottom is really tough... and breathing is hard."

### *Acquisition Lists*

What? You mean math actually worked on those lists? It's true! I know it's hard to believe but we actually tried this year. [Even I dropped in with Twin (email) Pines and Biff's, uh, sports almanac. Fun stuff! — HoloEd] And we did an amazing job. Some of the highlights:

1. Albert in Storm Trooper Armour and wearing matching edible undies made from... you guessed it! Cotton candy!
2. The White House — when we finished with it it was

closer to a charred black colour... and you thought mathies weren't pyromaniacs! Oh, you DID think we were pyromaniacs...

3. Albert in Samurai Armour — funny how it looks just like Storm Trooper Armour
4. The SAM (Surface Air Missile) made from piping and duct tape (well duh)
5. Albert in Armour — yes, it is the same stuff, but the engineers still enjoyed punching him in the stomach...
6. Mashed potato sculptures — special thanks to Catherine for sculpting the same disgusting potato stack over and over and over because the rest of us were FAR too lazy to try
7. The clock tower — mathies piling on top of each other on top of a clock made from masking tape. Why are all these people getting on top of each other?!?!?
8. And finally, the Cotton Candy Fro — Dave, I hope you got all that stuff out of your hair before you went to sleep

And now for a special thanks to: Cotton Candy — the universal decoration; Mashed Potatoes — you wouldn't eat them, but you sure can sculpt them; Duct Tape — "The cause of, and solution to, all engineering dilemmas".

### *Drag Drag Racing*

This isn't the only time guys dressed up in skirts, but it's the only time I'm going to mention it for personal reasons. Picture guys in too short skirts twirling around while bending over... ugh... better yet, don't. If you really want to know more about this I suggest you look for the video. I'm not sure why someone WANTED a record of this, but there are some pretty weird people out there...

### *Pink People*

Speaking of weird... what's it like to be all pink for a day (or 2 or 3)? Here are the memoirs of a pink mathie:

- Being asked, in all seriousness, whether she had forgotten to wear sunscreen and gotten a bad burn. Keep in mind that mathies tend towards neon pink and you have to wonder whether the mathie was the one getting too much sun.
- If you enter a lounge full of non-mathies while pink, be prepared to spend a few minutes waiting for the dazed and surprised looks to fade before anyone answers your questions.
- Body paint is supposed to wash off isn't it...

### *Racing Time*

You thought you'd heard the last of the DeLorean didn't you? Well its story isn't finished yet. Around 10 p.m. the slightly worse-for-wear cardboard car showed up for its first and only race. Piloted by an expert team of mathies who had gone through extensive, minute long training, the battered machine pulled up alongside Dana Porter library. Soon the race began and two hefty mathies were off, pushing with all their might as they sought to outdistance the engineers who, going for speed over style, had renovated an overhead projector cart and were off to a good start. Coming into the home stretch the teams were neck and neck, but alas our good mathies, exhausted by the uphill trip from Dana Porter to the finish behind AL were unable to catch the engineers who crossed the finish line just slightly

Continued on page 5...

...Continued from page 4

ahead of our beleaguered mathie duo.

### *The House Visit*

When did I first learn my house was going to be headquarters to receive the Scunt Gods? I think it was when the cooks were setting out to prepare food. I asked them where the visit was being held and they told me it was at Marshall's house... now, Marshall is my roomie so... There'd been some suggestion before of using my house, but I have to say I was a little shocked when I found out that it had become official!

Nonetheless, the cooks and I bravely set out (if you know who was driving you know where the bravely comes in). We prepared a stellar feast, complete with store-bought cake and enough shrimp for all, but all our effort took second place to a hole.

Yes, you did read that correctly. A hole. You have no idea what people will find interesting after hours upon hours of no sleep. There's a hole in the bottom of my floor. There's a hole straight through. There a hole directly to the basement where the Scunt Gods stayed. And through that hole we delivered the food (and not a few of the people serving the food) to the amusement of the Scunt Gods. And that is one event for which we definitely took the cake.

And finally the Scunt draws to a close. But no scunt would be complete without a lip-syncing contest! And in keeping with the 5 a.m. time frame Math sung: "Who needs Sleep" by the Barenaked Ladies. I'll leave you with a bit of their wisdom: *Who needs sleep?*

*well you're never gonna get it*

*Who needs sleep?*

*tell me what's that for*

*Who needs sleep?*

*be happy with what you're getting*

*There's a guy who's been awake*

*since the Second World War*

Colin "The guy with the Hole" Davidson

## Rammstein.

Several people were fatally cast into the Gorge of Eternal Peril and scores seriously injured in the recent EngScunt as the result of a fatal addition to the acquisition list. In an attempt to be funny, the Scunt gods made the last minute addition of the Holy Grail.

"We just sorta thought people would make one up. We never dreamt... this... would happen," one anonymous source was quoted as saying shortly afterward. It was leaked, early on in the Scunt, that one or more Holy Grails could be found on the far side of the Bridge of Death, a toll bridge in the darkest heart of Manitoba.

"I said, whoa, Manitoba, I don't like the sound of that. You wouldn't catch me dead there... If only I had known how right I'd be!" sobbed one participant.

It had turned out that after a string of privatizations, including Manitoba's bridges, roads, and fledgling nuclear program, the bridge had become the property of an as yet unnamed old man. The old man had taken to asking visitors 3 questions in order to pass. Those who failed were cast into the gorge.

The first intrepid scunter was asked to identify himself, his quest and his favourite colour. His success emboldened the representatives from the other teams who, far from identifying

## Things I Learned on EngScunt

- The pleasures of being in a mashpotato and human wall
- The excitement of human jousting
- You can sculpt anything out of ONLY duct tape
- How good storm trooper armour made out of styrofoam looks
- You can dub video tape at midnight in res
- Tushar's car will never run out of gas
- It is REALLY hard to buy gas at 11:30p.m.
- How to properly tape cotton candy to my boxers
- News of a mathie in an engineering helmet travels quickly
- How far POETS is from the MC
- Anything, and I do mean Anything, can be made out of cotton candy, mashed potatoes, cardboard, tape, and pipe
- one word: COMMANDO
- I am very used to dancing at 4a.m.
- Pink body paint does wash off, but you will still have a nice mathie pink glow for a few days after
- Full contact calculus is not a good thing to do at 9a.m. after not sleeping
- Dan has good ideas
- The Laurel trail makes an excellent roadway without police!
- Inflatable people make good volleyballs
- Plastic knives cause flesh wounds
- Not sleeping enhances any experience
- If someone is going to wear a dress for scunt they will NOT be female
- When a man in a dress is going to ride another human being like a horse they should do it SIDE SADDLE
- One should stretch properly before 3D twister
- "2nd" is the best place to be in
- Mathies know how to make a DeLorean
- How big a cotton candy fro can be

"Phat" Albert O'Connor and Catherine Moore

their favourite colours, had to prove that every simply connected 3-manifold is homeomorphic to the 3-sphere. Apart from the AHS team, which was eliminated by the first question, all teams made tremendous efforts before being launched into the gorge. The math team, working under intense pressure, was able to find a counter-example, but were launched anyway due to a malfunction in the launcher operating system.

Lawyers representing the old man cited a recent upgrade to Windows ME for the malfunction. No apologies were issued for the loss to the mathematical world, however, the families of the victims were awarded 40,000 points in an out of court settlement.

David Hayes

## Orientation Clearance Sale

*October 12th, 10:30am - ?, on the 3rd Floor of MC*

We will be selling all left-over items from the past few year's Frosh Weeks. Prices will range from FREE to \$25. So come check it out!

Nadia

## profQUOTES

*(Explaining Quotient Rule)* “If A implies B, then it is equivalent to NOT A implies NOT B. Confused? Ok, think of it this way... a tiger has stripes, but a zebra has stripes too, so having stripes doesn’t necessarily imply a tiger.” *(Prof considers what he is saying...)* “OK... forget about the tiger.”

Sivaloganathan, MATH 137

*(written on board:  $4F^3(u)Xf(u)$ )* “Hmmm... bad use of notation. Front row... STOP LAUGHING.”

Sivaloganathan, MATH 137

“Every woman’s a 10, it just depends what base you’re counting in.”

D’Alessio, MATH 135

“Blow off the absolute value. Who needs you anyway?”

D’Alessio, Math 137

“X is in the valid range. So I have not sinned.”

D’Alessio, MATH 137

“Now that we’ve confused the hell out of each other...”

D’Alessio, MATH 137

“I don’t know the quotient rule, but I still got my Ph.D.”

D’Alessio, MATH 137

“How many people would use the quotient rule here?” *(hands go up)* “You all fail.”

D’Alessio, MATH 137

“...apply our friend the squeeze. Use a wrestling hold on it.”

D’Alessio, MATH 137

“You can have a student referring to another student to another! You can have a circle of friends!”

Pretti, CS 134

“We’re going to practice drawing pictures. Fine arts 134!”

Pretti, CS 134

“If you’re programming in Java, everything’s too slow anyway.”

Pretti, CS 134

“In fact, it has been proven that if you have unemployment insurance, you will have unemployment.”

Busch, ECON 101

“Ask the guy beside you to answer this question.”

Mosca, MATH 239

“We’re almost done guys, don’t worry. I can feel daggers going in my back.”

Cutler, STAT 443

“In Star Trek, there is a Prime Directive, which is ‘don’t have sex with aliens’ or something like that.”

Vasiga, CS 241

“Someone said ‘Larch.’ Someone is a masochist.”

Vasiga, CS 241

“There’s always a smartass in the class.”

Vasiga, CS 241

“This code has errors in it. It is from the Windows 2000 kernel.”

Vasiga, CS 246

“You’re computer scientists. This should be instantaneous... that was a long instant.”

Vasiga, CS 246

“Ada was developed by the U.S. Department of Defence. And whenever you hear ‘Department of Defence’ and ‘U.S.’ in the same sentence, the word that should come to mind is ‘paranoid’... and Ada is paranoid.”

Vasiga, CS 246

“You’re old enough to drink and vote, so you’re old enough to use GOTO’s.”

Vasiga, CS 246

“Why waste my time working out the other limit... because it’s good for the soul.”

Sivaloganathan, MATH 137

“Who thinks the limit doesn’t exist?” *(students raise hands)* “Go and stand in the corner.”

Sivaloganathan, MATH 137

“Mid-term average is 44%” *(students moan and groan)* “Don’t run up to the 6th floor and jump off the building now. Wait for the final.”

Geelen, MATH 239

*(after blowing up a white balloon to demonstrate stereographic projection)* “I tried to find a transparent one ‘cause it’s easier to see. But the only one I could find was liquid contaminated.”

Geelen, MATH 239

Prof: “The origin of the word ‘matrix’ comes from a French word meaning ‘the woman’s womb.’ Any questions?”

Student: “I’m still a little bit confused on that, but it’s OK.”

Wolkowicz, MATH 235

*(about how to find a basis from a spanning set)* “As you can see, from the set of 4 vectors, I’ve come up with only 2 vectors which form a basis for this family. That is because I am shrinking! And they call that ‘smart shrinking’.”

Wood, MATH 136

“So now you have a lot of words going around in your head. So whatcha gonna do? Party?”

Zorzitto, MATH 247

“If you put in an asteroid, you might get a battleship, but it doesn’t blow up. But if you put in an asteroid, you won’t get a cloud. At least not in my imagination.”

Zorzitto, MATH 247

“Three million cubed is about... a lot more money than I’m ever gonna see.”

Zorzitto, MATH 247

“Just in case someone says ‘Find the  $\delta$  or I’ll punch you.’ Then

you Can say 'OK, here it is!'"

Zorzitto, Math 247

"My pseudocode smells like java. The one in the book smells like pascal."

Biedl, CS 341

"The difference between this and algebra class is you're going to understand this."

Shifrin, MATH 137

"In this study we can't do any blocking or randomization, because you can't force someone to change their smoking habits or force a non-smoker to start smoking."

Matthews, STAT 231

"There are still a few who don't believe that smoking can cause lung cancer, and most of them are working for tobacco companies."

Matthews, STAT 231

"Once you know the rules, you don't even have to think... I can't believe I just recommended that. So much work, so few neurons. We have to conserve them."

Cutler, STAT 443

"We talked about this before, how the amount you remember in a course doesn't depend on the year or the course, just the number of hours after the final exam. That's not going to happen in this course though... you'll all be waking up having nightmares..."

Cutler, STAT 443

(points at board) "Do you know what this is? (pauses) Do I know what it is?"

Younger, MATH 135

"Oh, one times one is one. Thanks."

Younger, MATH 135

"Since he lived about 300 years before the birth of Christ, he would have had to have proved it around then."

Younger, MATH 135

"I see this 'x - 3' and it really excites me."

Irving, MATH 137

"It was those 60's, they were hard on the body."

Wolkowicz, MATH 235

"[Windows] NT in 16 Megabytes is like sticking Arnold Schwarzenegger in a phone booth..."

Burkowski, CS 354

## Calvin & Hobbes: REVISITED



In the last six months seven attendants have been mauled to death by a vicious animal. Still, no one believes in Hobbes...

## Food for Thought, Predetermined with Eyes Shut Tight

The assertion that “all men are created equal” was of no practical use in effecting our separation from Great Britain and it was placed in the Declaration not for that, but for future use.

— Abraham Lincoln

After telling (bragging to) a friend that I have once again been published in that bastion of fine journalism *mathNEWS*, he pointed out that I seem to enjoy pissing people off.

Now a word about the above statement. As far as bastion of fine journalism goes, compared with the Imprint, my work in grade 4 creative writing could out perform much of what is seen in the main undergrad publication of this institution. And yes, I did volunteer at the Imprint once. I submitted an email in the summer of 1999 offering my services as a writer. It was totally ignored, so I feel I am entitled to attack our main yellow sheet.

As for pissing people off, yes it is true, I am good at that, even if you think my writing has not improved since grade 4. On the other hand, I do have one retort. As I said to my friend, too many people walk around and live their lives with their eyes closed. Many of us live and accept what we see because we feel unable to change things. For example we have a totally incompetent government in Ottawa, yet I will bet the number of voters who turn out at the next election will be at an all time low. Why bother voting? We all know what is going to happen. The Liberals will win, probably a minority government, with the right wing vote being split between the Tories and the Reform (or whatever they call themselves). Quebec will send mostly BQ representatives to Ottawa, and in a couple of years, part sixty three billion of our “Never-endum” will take place when Quebecers decide to stay or leave Canada for the third time in thirty years. Why bother doing anything political? It's all predetermined. Or at least everything feels predetermined.

One thing that we all seem to take and accept is a lot of the drivel being turned out under the rubic of enlightened thought, or (and I really like this one) freedom of speech at this very University.

Okay. I am a pretentious snot. I have read some John Locke. I have also read Hobbes and the Constitution of The United States. And you know what? Freedom of speech means that I get to be wrong. I can tell the whole world that  $e^0 = 3$  or that Jesus visited me personally and told me all the rest of you are full of shit and he is retiring to Cuba. But there is a line, and a pretty damn clear line if you ask me. Someone cannot go out and tell you that being gay is evil. I could name a very close friend of mine as a very effective counter example to the “gay is evil” claim, and then I could be legitimately offended. And yes, someone once told me “all gay people are evil”. I was then instructed that “god does not want us to be gay”. My personal favourite was the observation “ever notice how all those civil rights people are gay?” Sorry, I may have friends who are gay and involved in human rights organizations. But, nah, I never really was turned on by the sight of Tom Hanks. Natalie Portman on the other hand...

Just out of curiosity, what does god want? According to a certain former columnist for the Imprint, god wants us to accept Jesus as our saviour. Alright, here is my offer. I accept Jesus on the proviso that he does my CS 354 assignment for me. That would be a real saviour in my books. Really though, what is up

with that? Religion is a personal thing. Can I open the Imprint and not be exposed to this evangelical palaver? I pay for the blasted paper. Why do I have to be told I am going to be damned to hell for all eternity for rejecting Jesus? If someone wants to say that I am going to shovel coal or whatever it is that we do in hell these days, fine, say it. But can you have the courtesy to stop wasting paper? Go stand at Yonge and Dundas (Toronto). There is a guy there year round telling the world that we must accept Jesus; but at least he does not make me pay for his little pamphlet in the form of a \$4.25 fee on my tuition statement.

I think this term, the clincher goes to someone else though. A philosophy student who shall remain nameless, although it's splattered across the Imprint. This person has become Waterloo's resident expert on public health. Apparently certain aspects of the gay lifestyle, which this person claims are unique to being gay, is more adverse to one's health than straight living. Hey guy, in case no one told you, straight people get AIDS too. Heterosexuals get something worse though — children, some of whom seem to actually believe this hateful trash that is passed off as concern for one's fellow man.

I think at this point another quote is appropriate.

The price of seeking to force our beliefs on others is that someday they might force their beliefs on us.

— Mario Cuomo

Regardless of your opinions, I can only hope, dear reader, that the next time you open the Imprint, your eyes won't be closed to the world. There is a lot wrong with the world, but it is not going to be fixed by people who are spoon fed.

Michael Cole

## Top 10 things overheard at Firestone headquarters

10. So we we're a little off on our replacement workers.
9. You sure we have to call them ALL back?
8. So we are all agreed then, “Kick the tires.” Part of the expression simply must go.
7. No, sorry lady, you've reached FireLOANE Inc. and no, we don't want your stinking tires!
6. The Devil made us do it. Damn you George W. Bush!
5. It's called value-added people! We MEANT for the treads to come off erratically and prematurely!
4. New government regulations require all tires to expire after 5 months. Don't blame us if we're just following the rules. Blame it on taxes.
3. Blah Blah Blah, very sorry about the school bus accident blah blah blah. Fiery grave of children. Blah blah blah... compensation fridge magnets promised for victims' families... blah blah blah.
2. You SURE you want us to replace them? You REALLY SURE? Ok then, you said you were REALLY SURE, right? Ok, here's your new set of tires, wink wink, nudge nudge.
1. Maybe it's just coincidence. Could be just coincidence, right?

Peter Cresswell



# mathRANT

*Sometimes, there's just not enough time  
to finish a mathNEWS article*

-or-

*Ok, he's dead, Jean;  
now stop flogging him with that stick*

If you listen very carefully, these days, you'll hear of all the great things that our former Prime Minister, Pierre Trudeau, did. How he was responsible for the repatriation of the constitution. How he held fast against the FLQ. How he travelled the world at the end of his career to promote world peace. And none of us can forget how he parted the Red Sea, and set the Israelites free. Or how, at that party that one time, he turned the water into wine. And, of course, his frequent habit of walking on water.

Okay, okay, I know, I should not disrespect the man. But I do feel that it is being given a hell of a lot more credence than there is reason for. This leads us to a very important question: why?

Well, it's simple. The PM is about to call a November election, and what better way to ride into office for the third consecutive term than on the coat tails of a widely respected Liberal? But it's not like the Liberals are really in any danger of being ousted, regardless of what Mr. Day says, right? So why the November election?

Some would have us believe that it is the polls and the credo "get, while the gettin's good". This is no doubt the Liberal mentality behind the decision, but there is something much more sinister going on here.

I mean, think about it. The Canadian federal election, if called for November, will coincide with the US election. Now, ask yourself, who is this going to benefit most? A party hell bent on keeping the status quo, or a bunch of nuts from the west, advocating the death penalty and privatization of Health Care?

Before you answer that, ponder this. How immoderate is Stockwell Day going to look when compared side-by-side with George Duh-ble U Bush, self appointed angel of death, and Al "I'd sell my mother for a Presidency" Gore? I mean, in that arena, he is going to come off looking like George Washington at a Hitler Convention.

So perhaps an election in November really isn't that well thought out a plan, my Liberal friends, because, as Dr. Evil might say, "Your Stock is rising, Mr. Day..."

## *Obligatory Complaint of the Week*

Now, my most daring feat, complaining to YOU, through song...

### **Nachos Code is a Bitch**

*to the tune of Kyle's Mom is a Bitch*

Well...

Nachos Code is a bitch,  
It's a big fat bitch,  
It's the biggest bitch in the whole wide world.  
It's a stupid bitch,  
If there ever was a bitch,  
It's a bitch for all the boys and girls.  
On Monday it's a bitch,  
On Tuesday it's a bitch,  
On Wednesday and Saturdays,  
It's a bitch.  
Then, on Sunday,  
Just to be different,  
It's a super King-Kong mega-mega bitch.

### **Chorus:**

Have you ever read Nachos Code?

It's the biggest bitch in the whole wide world.  
It's a mean old bitch, and it has stupid threads,  
It's a bitch-bitch-bitch-bitch-bitch-bitch-bitch  
bitch-bitch-bitch it's a stupid bitch!

Nachos Code's a bitch,

And such a dirty bitch.

Talk to students around UW,  
It may go something like this:

Even Artsies bitch,

About Nachos code,

It's what got them kicked out of the CS world.

Engineers bitch,

That OS is a bitch,

It's a bitch but there's no Nachos code.

For ES it's a bitch,

For AHS it's a bitch,

For Science and Bioinformatics,

It's a bitch.

Then For Mathies,

Just to be different,

We actually have to code and use this bitch.

### **Chorus**

I really mean it,

Nachos Code,

It's a big fat, coding, bitch.

Big-ol-fat-coding-bitch, Nachos Code,

Yah-ha.

## *Generic Advice*

Time is important; use it wisely. Take electives in subjects you are interested in. Don't listen to people who say "this course is easy" or "this course is hard", because usually, you will do best in a course that can hold your interest.

## *Closing Remark*

"I can't stress this enough people, put your garbage, in the garbage can." — Simpsons

MariusX



## What's new in TV Land?

*And what the television networks won't tell you?*

With the conclusion of the Olympics and the Survivor reruns, the TV viewers finally get to see something new (at least that's what the TV execs think). This is the time when the big (and small) television networks introduce new series (or revive some old series' that no one remembers and market them as new ones).

As usual, most of the series that premiere this month won't be around by the time football season's over (depending on what brand you prefer, it's either late November or late January). However, this year all the major networks decided to introduce something that's actually new, and most Mathies in UW can find many of the new series' relevant to them.

Industry insiders revealed that during the summer, while most UW students were working, many TV producers utilized the mainly empty campus to shoot the new shows on location. Here, in no particular order, are some of the shows that will make their debut this fall:

### *Deadline*

As most Mathies can testify, meeting deadlines is one of the (in many cases, THE) worst ordeals students have to endure. This series documents the pain, the agony, and the loss of sleep and life the students have to undertake in order to meet the deadlines of submitting assignments, projects, paying tuition fees while making ends meet, etc. In order to attract viewers, the first few episodes will feature students trying to meet the deadlines of the core courses (the courses which every Mathie have to take). The producers stated that viewers can expect a cliffhanging episode featuring students in CS337/370 before the end of the year.

### *TC(Tutorial Centre) — from the producers of ER*

Almost every Mathie will visit the tutorial centre once (or more) during their university career. This series captures the drama and intensity of the going-ons of the tutorial centre. In each episode, the tutors encounter something sudden and challenging from those who seek help and the tutors have to use all their abilities to solve the problem. Of course, the series also features some interactions between the tutors, and some of the relationships between the tutors may be more than mere friendships.

(Note: due to network policy, solutions to the problems in the show will not be shown anywhere, which disappoints a lot of people.)

### *X-Files*

Yes, the shooting of X-Files has returned to Canada for one last time. Sources from the producers of the show stated that the finale of the coming season, and possibly of the series, will feature FBI agents Mulder and Scully investigating a mystery in UW, where all the X-terminals refuse to accept log-ins and delete the files of users at will. Will the agents be able to get to the root of the problem and solve the case? A fitting end to a series that bears the name that begins with the mother of all mysteries-X.

### *Michaelangelos's Inquest*

This new show is somewhat similar to the hit series *DaVinci's Inquest*. It features an artist who aspires to be a detective. Each week he solves mysterious crimes by reenacting the criminal act and recreating the crime scene. He uses advanced techniques such as connecting the dots on a painting and using Plaster of

Paris to create an accurate image of the suspect. Although he has many skeptics, his method always leads to the arrest of the people who committed the crime. His work involves a high amount of deduction. His success hinges on his ability to apply logic to his investigations. Necessities at work drew him to UW, where he took the Logic courses again and again and again... until he became a total master in logic and deduction and induction and (insert prefix)-duction. In the series premiere, Michaelangelo tries to catch a giant killer who is ten metres tall.

The preceding is just a few of the amazing shows that will appear on your television sets. Try to find time to see some of these new series'. It's not often that an ordinary Mathie gets on national TV.

(Disclaimer: Some of these shows may get shot down before making their debuts or are totally fictitious. The author of this review holds no responsibility for any decrease in grades or disappointed reactions from the cancellation of the shows.)

Jason "the Screamer" Lau

## Beware of those evil elves!!!

I have to warn the good people of UW about the evil elves! Have you seen one lately? I bet that some of you have already seen one if you or your friends ever fell asleep in class this term. You see, my friend Justin wouldn't believe that evil elves exist. Actually there are two kinds of elves: the good ones and the bad ones. You can tell the difference because the good elves draw happy faces on your class notes while the evil ones draw weird figures (sometimes destroying the class notes in the process).

Anyway, my first encounter with these strange beings happened last Friday, when I was sitting in my vector calculus class, with my friend dozing off beside me. As far I can tell, those little elves came out of nowhere. At first I thought I had fallen asleep like most of my other classmates and that I was dreaming. That thought disappeared when I looked up at the blackboard and still saw my prof there teaching something about the Laplacian function. So I look closer at those elves (luckily for me they were the good elves) and see them drawing little happy faces all over my friend's notes. That's when my friend suddenly came out of his sleep and all the elves magically disappeared! After a few seconds, my friend partially regained consciousness and saw his notes. He then went on to accuse me of drawing little happy faces all over his paper. I tried to explain to him, but he wouldn't believe me, so I turned to ask my other friend if he had also seen the elves. To my chagrin, he was asleep and hadn't seen anything.

That was the first time that I saw these strange creatures, and after that, I have seen them many times (esp. in algebra and morning class), sometimes drawing other weird figures on my friends' notes. I believe that these elves only appear near your notes if you are asleep in class. I should also mention that some of these elves are the evil kind and can cause havoc on your notes! If you have any stories of these strange creatures, please contact me at *mathNEWS*.

Sepiraph

# The Monkey Problem

-or- *That Crazy Suicidal Genius MadMonkey*

So I rolled out of bed on Tuesday morning, and thought to myself “Oh man I should be in Physics class in 15 minutes”. With that wonderful thought in my head, I scurried off to the Physics building. Now you may be wondering where are the monkeys? (I want monkeys!) You saw the word “Monkey” in the title and there should be something about monkeys in the article. Here you are, a few lines in, and so far nothing... just something about someone being late for physics. My, some people are impatient. Well it was in physics class that monkeys got mentioned. Yes, thanks to the wonders of ballistics, we got to observe a monkey problem. Now for all you brave mathies who have no previous experience with this monkey problem thing, you’re in luck because this is Monkey Problems 101 and I’m your prof Dr. MadMonkey (or Albert if you prefer). Let’s start with monkey problem basics before I move on to experimental theories about the monkey problem.

Now the basic everyday madmonkey problem goes like this: There is a monkey in a tree (with a banana; this is very important). Watching the monkey is our brave hunter friend who is thinking “I bet I can kill that stupid monkey and get his fur to sell on the blue market.” So he takes aim directly at the monkey and fires. Now for some reason (which will be proved later) the monkey lets go of the tree at the same time the gun fires. Now, due to the powerful suggestions of physics the bullet will drop at the same rate as the monkey (relatively) and strike the falling monkey, killing it. If you don’t believe the physics... well, tough! This isn’t physicNEWS so I’m not going to explain it here. As interesting as all that is, there is a variation on the monkey problem known as the politically correct monkey problem.

In our day and age of advanced thought, shooting monkeys in trees for furs is rather frowned upon. So to project a more positive and P.C. image of physics, the traditional monkey problem was reworked to the new, modern version. This brand-spanking new version reads as: There is a monkey in a tree (with a banana; this is very important). Watching the monkey is our brave research scientist friend who is thinking “I bet if I dart that monkey I will be able to give him a medical check-up to make sure he is ok.” So she (yes the research scientist must be female) takes aim directly at the monkey and fires. Now for some reason (which will be proved later) the monkey lets go of the tree at the same time the tranquilizer dart gun fires. Now, due to the powerful suggestions of physics... well, you know the rest, don’t you?

Now that was nifty, sure, but it also gave us a little more insight on the monkey problem. Now if we look at the situation from the monkey’s point of view then much is revealed. Now we see that the monkey is super intelligent and is suicidal. How do we know that the monkey is suicidal? Well, one might prove it with something along the lines of Porno is good, therefore  $1+3=2*2^{(1/2)}$  and monkeyPorno is bad. By looking at this we can easily prove by contradiction that the monkey is suicidal. But I have a better (Tushar was here) proof. The monkey is smart, very smart. So smart in fact, he just figured out the ultimate answers to all the questions of physics. Seeing how he had all the answers, his first thought was to kill himself somehow. After all, he was only a monkey and all the answers to life, the universe, and physics were far too much for his lit-

tle simian brain to handle, so he needed to die. Therefore the monkey was suicidal. So using his ultimate understanding of physics he knew that if he purposely dropped the moment the hunter, no the scientist, no um... the gun fired the bullet it would be guaranteed to hit him (plus he would go flying to the hard earth). So it was in fact the monkey who was in control in the situation.

Ah, you say, being the smart ass student you are, that my proof only works assuming the monkey is smart. How do I know the monkey is smart? Well it’s GIVEN, so there! That’s the first year math answer. You see there is a better reason, but seeing how this is only Monkey Problem 101 I can’t tell you the real reason, unless you really want me to. Ok I will. You see the monkey had just taken a bit of the fruit of knowledge of physics which is obviously a banana (see, it was important) normally taken anally (like the crowbar is the fruit of mathematical knowledge, right Tushar? *sideways*). Well those are all the madmonkey answers I’ve got for you today. It just goes to show monkey proofs are good for anything, and I hope you got your mindless madmonkey quota for the day. Chow!

No monkeys (even mad ones) were hurt in the production of this article, but a styrofoam disc was, and he will be missed by all who knew him.

“Phat” Albert O’Connor

## Coins

A few weeks ago a friend of mine (Scarfbay) and I sat down to a game of war. This was not normal war but a variation suggested by Dan Pollock (who has a birthday every Monday (read Liam Dorey’s article)). It involves flipping a coin and covering it with a book and then sitting around for half an hour debating what it is.

Dave and I switched this around slightly by flipping two pennies. We were about 5 minutes into the “game” when I suggested we start betting on the coins. After about 45 minutes Snuggles walked in. For the first time in a long time this game totally confused Snuggles and I considered the time (45 minutes) well spent. At the one hour point we were at 35 cents each and we decided to find out what was under the book. I was crushed to find out that it was 2 heads (contrary to the two tails that I thought it was) and was down a spot of cash.

Later on I was debating that while the coins were under the book they were both heads and tails at the same time. Eventually I came up with the novel idea of taking 4 coins and throwing them in a locker. So...

Ladies and Gentlemen and Ladies... a Contest for you. Today (Friday) we will throw 4 pennies into a locker on the 3<sup>rd</sup> floor of Math. Your job is to visit the web site <http://www.pouchie.cx/mathnews> and tell us what the coins are. Next Friday we will open the locker and reveal what the coins are. Those people that correctly guess the combination will be entered into a draw out of which one person will win a \$5 gift certificate from the C&D.

It’s really that simple. So what are you waiting for (other than a week). Get on down to the site and register now.

The Thane of Evil  
Quack

## Make \$\$\$\$ FAST!!!

*Write your way through school*

Have you ever dreamed of getting published in a major technical magazine? Last winter, I wrote an article for *C/C++ User's Journal*, and they put it in their August issue. It paid for my text books, and now I get to add a whole new section to my resume. So, what's the trick to getting published? All it takes is a good idea, great timing, and a convincing query letter.

### *Finding Ideas*

Coming up with a great idea seems like the hardest part, but it shouldn't be. The software field is changing quickly, and a new technology is always just around the corner. Perhaps you're a Linux guru, or you had to wade through a new section of the Windows 2000 SDK on your work term. If you're on top of something new, you can easily turn it into a paying article.

Editors are also looking for fresh spins on older topics. The market for beginner's Linux tutorials is exploding, and simple subjects like configuring the kernel, burning CDs, or choosing a Window Manager keep appearing on the stands as former Microsoft users see the light. Don't overlook the small stuff, either. Some magazines buy 50 to 500 word book reviews and coding tips.

### *Timing*

Even if you have a killer idea, it may not be accepted if the timing isn't right. When I first sent in my article, I got a "thanks, but no thanks". A couple of months later, I noticed another magazine would soon be running a theme issue relating to my topic. I submitted it again, and got the assignment. Computer magazines typically cycle through the same set of themes throughout the year. *Dr. Dobbs*, for instance, features regular issues on graphics, scripting, algorithms, and networking. You can usually find the editorial calendar on the web site. Query in time for a theme issue, and your chances of acceptance skyrocket.

### *The Query Letter*

The folks in the magazine biz don't have a lot of time, so it's polite to query first before sending them your five page manuscript. The query letter (or e-mail) does three things: It lets the editor know you can write English, it introduces the topic, and explains why you should be the one to write about it. It's best to keep it short. Start off with a snappy introduction, similar to the one that will be in your final article. Then explain why the topic is timely and relevant to the magazine's readership. Don't forget to include an estimate of length and lines of code, if necessary.

### *Patience*

Magazines all have some kind of warped sense of time. Editors usually respond to e-mail in no less than four weeks, so it's a good idea to use a permanent address for correspondence. In the best of circumstances, allow six months from the time you query to when you see your name in print.

Writing for technical magazines is a lot of work. It requires hours of research, writing and re-writing, and nerves of steel as you face rejection at every turn. But it's also a gateway to better career options and industry contacts. If you have a good article idea, follow the above tips, and with luck, you could be on your way to getting published.

Steve Hanov

## Marion Jones wins gold... in everything.

Sydney — Marion Jones, the United States' miracle athlete, surprised everyone by winning gold medal after gold medal long after she finished running her track and field events. After dominating the track and field, Mrs. Jones decided to take advantage of her situation and sent an emergency appeal to the U.S. Olympic committee asking to be entered in such competitions as diving and table tennis.

Said one U.S. committee member, James Smithson, of the shocking new U.S. olympic policy entitled All Marion Jones All the time, "What are you going to do? It's Marion Jones. If she thinks she can win a medal at anything, who the hell are we to stop her? I personally sent a few of our 'non-Marion Jones' athletes home just the other day when she expressed interest in gymnastics."

At a recent press conference held by Mrs. Jones, the superstar athlete said she was officially entering "anything left where they're giving out gold medals." And indeed, much to the surprise of everyone, Mrs. Jones proceeded to win everything she entered, sometimes not even having a chance to stick around for the medal ceremonies so that she could compete in another sport.

By far her most incredible act occurred in equestrian when she replaced U.S. team member Laura Kraut.

Explains Mrs. Kraut, "I got off my horse when I saw her and told her to hop on. She said she didn't have time to learn how to ride but would jump the fences herself. She then ran onto the course and leapt over every fence perfectly and in record time. I was amazed."

When an official protest was launched by a furious British team, it was immediately pointed out by the officials that horses were indeed "optional but that no one in their right mind would think of trying it without one. No one, that is, but Marion Jones." After she found out about the appeal, Mrs. Jones instantly stormed the British dressing room and began administering vigilante justice by delivering devastating pile drivers to each member of the team.

It is reported that the Bulgarians have since dropped their appeal that Mrs. Jones give back their gold medals and be disqualified from weightlifting where she had previously set a new world record in both the men's and women's contests.

Peter Cresswell

## Dan's Birthday on Monday

Ok, how many of you know Dan Pollock... come on... most of you probably know him, the guy who organizes amazing scunts. He's pretty funny most of the time, and generally likeable. So a while ago a couple of us really wanted to thank Dan for all the hard work he does. So we decided that every Monday is Dan's Birthday. I mean, we all like our Birthdays. People give us stuff (like coleslaw), and so it is. Next Monday, the Monday after that, and so on, it's Dan's Birthday. So if you see him in the hall, in the comfy, or anywhere else on a Monday, wish him a Happy Birthday. If there's time, you can even sing him a song, send him an e-mail, or give him a card. And remember, despite all his protesting, we all know deep down inside he likes the attention and the coleslaw.

"Little" Liam Dorey

## mastHEAD

*Thanks for reading!*

Hello and welcome to Issue #2! Seeing as Thanksgiving is coming up this weekend, and seeing as there's a few people who deserve some thanks this issue, I will now proceed to do this thanking. Thanks first of all to Bradley T. Smith and Peter Lizak, the editors in training, for laying things out and making our lives easier. Secondly, a thank you to Little Liam for providing us with the cover. What do you see when you look at it? He's curious, as are we... so email *mathNEWS* or Liam and let us know what it is you perceive in that image. Next, a thanks to the hard working custodian types, who waxed the floor of our closet/office last month. It's nice and shiny now! Also thanks to them for not ripping down our Production Night advertisements (as has been known to happen sometimes, even if they are stamped, due to bizarre regulations), because this way we take them down ourselves and reuse them next time. (The trees thank you too.) *mathNEWS* also thanks the Dominos guys for their pizza and twisty bread, and naturally a thank you to the hard workers at Graphics Services for printing things up and doing all the things they do.

Then last, but hardly least, a big thank you to all the people who made it out to help with production! Here they are with their answer to the question "Why were there fireworks last Saturday night in Waterloo Park?": Albert O'Connor (When goats and explosives are combined...), Anthony Cheng (What fireworks? Those are alien's UFOs!!! You fools!), Christine Beca (What? There were fireworks?), Bradley T. Smith (Me.), Keith Mortenson (There will be fireworks the night after every CS 466/666 assignment due date; this drowns out the gunshots quite well.), Jason Lau (Missile aimed at Toronto exploded prematurely.), Catherine Moore (To confuse any EngScunt participants who were still awake.), Kyla Hawrelluk (People were proactively celebrating Oktoberfest.), Liam Dorey (The aliens are coming.), Colin Davidson (You mean that wasn't just the bump on the head?) and Peter Lizak (There weren't fireworks, I was holding up the liquor store.)

Greg Taylor (KareKano fans offering tribute to CTRL-A.)

Richard Bilson (Richard has a new girlfriend.)



## Mixed Signals

*moral of the story: don't read mathNEWS in class*

I'll warn you now: If you are in class I advise you to put your copy of *mathNEWS* down; pick it up again later, when you are free to focus your thoughts on bizarre mathie humour.

If you are reading on we will assume that you are either getting back into the ol' UW spirit after a huge turkey dinner or are willing to face the consequences of what may happen to your brain if you read *mathNEWS* while attempting to focus your attention elsewhere.

I found myself in a Religious Studies class on a particular Friday afternoon with a brand spanking new copy of *mathNEWS* in hand. Now, innocently enough I thought, forget Hinduism for today I want to check out *mathNEWS*. I read and read; I scoured each page looking for some tiny tidbit of mathie humour which I had not yet discovered. When I found that I had already covered the majority of the issue I decided that just maybe it would be beneficial to put away my *mathNEWS* for the time being and pay attention.

As I pulled my head out of *mathNEWS* my prof began talking about a mantra which would clear the mind and bring one closer with god, and as a matter of fact she started a little chant. I found myself thinking back to frosh week and learning the M-A M-A-T M-A-T-H cheer. I also thought of how often I repeated the cheer, but the prof was moving on and speaking of how it is custom to fill one's mind and existence with god once a certain stage of the Hindu religion has been reached. I couldn't get my mind away from math... how for at least the next five years if I was to be a devout and successful mathie I would spend a good portion of my time thinking about math. Could I consider math my religion? Should I possibly be making idols, setting up shrines? I don't currently follow a religion and at the very beginning of classes the prof was mentioning how everyone has a need to have certain spiritual questions answered... maybe math is the answer.

I couldn't decide if my story was strange, sad or just dumb but I knew that I couldn't possibly pay any attention to what was going on in class anymore so I was just better off rambling out an article for *mathNEWS*.

Catherine Moore

## Till next time...

By now, the Olympics are long done and just a memory in the back of everybody's minds. For most, it was another time to complain about how the Olympics suck and it's a complete drug fest. Others complain that there should be no "Artistic" component. To me, the Olympics are much more. They are the time when the world meets to compete as humans without politics and wars. They show the true grace and form of humans (especially women, they're just so damn good at what they do). It's competition at its purest.

Sure there's drugs, but most get caught. Sure the Artistic doesn't make sense, but I dare you to go out there and do the same thing those people are doing and tell me it doesn't count. All I wish is that people would recognize the fact that the athletes are truly amazing people and quit complaining.

So next time the Olympics come around, recognize it for what it is: 6 continents joining together to jump higher, faster, and more gracefully than ever before.

Tushar "weeping gently 'cause the Olympics are over" Singh

## The Frosh Cornered

Before I start this week's column, I'd like to make some public announcements:

LOST: Goldish-silver ballpoint pen. Fully metallic. Twists to operate. Has the word TRIMARK on it. Reward offer if found. Last seen in one of the Unix labs in MC 3rd floor. Pen has EXTREMELY high sentimental value. If found destroyed I WILL TRACK DOWN THE PERSON WHO KILLED MY PEN AND DO SOMETHING TERRIBLE TO YOU.

Now, onto our feature column.

Again, before I continue, I'd like to clarify a few things. As I passed by a group of upper-classmen reading my column, I overheard one of them saying: "Who's this frosh who doesn't like Microsoft?" Therefore, I feel compelled to introduce myself.

I'm from the center of the world (Toronto). I was a student of Brebeuf College School, and now I am studying CS for the remainder of my stay here at UW.

The idea to write a column here came from a friend who said "Who represents the frosh in this group of older, much stronger and meaner people?" I then stood up, and said: "I don't know, I'll get back to you on that." Two weeks later, I wrote my first column for *mathNEWS*. I like to complain and rant, and thanks to the good people at *mathNEWS*, not only do they allow me to do so with no hindrance, and they also let a frosh have a bi-weekly column (or so I presume). This is totally voluntary, and in no way are the editors of *mathNEWS* pointing a Glock to my head as I type this.

Now, with the introductions and legal disclaimers out of the way, we venture into our feature column... again.

### *This Week: The Murphy's Laws to UW Mathematics*

One of my friends here at WCRI has a poster tacked up to his wall that has numerous Murphy's Laws printed on it. After reading halfway, I concluded that life revolves around what this Murphy writes down. At that point, I wanted to find this Murphy and yell at him: "Stop being a lazy ass and stop writing those laws because you're ruining my life."

After realizing Murphy doesn't exist, and that only happened after a 45-minute explanation from a friend, I went to my computer to write up some rules to counter what Murphy has dictated. As friends stopped by and saw my new list of laws, they all laughed and walked away. For reference, I'll name my first few laws:

1. We will all pass CS
2. Our assignments will all be easy
3. We will all end up on the Dean's honour list

Another friend came into my room, read my list, tore it apart, and left the room screaming "Blasphemy! We all know we're all going to fail CS. Face the reality!" at which point he ran into the washroom to hurl out the contents of his recently-consumed alcoholic beverages.

Enraged, I started a new list with a new twist: I was going to extend Murphy's Laws, but apply them to our current situation here at UW. I've come up with a few so far, which took me less than 5 minutes. I guess writing about doom and gloom is faster and easier than being optimistic (and if my friend is right, your next boost of optimism will come after you exorcise the evil spirits from your Calculus professor).

*Public Class Murphy's Laws of Waterloo Mathies*

### *extends Murphy's Laws*

1. When you show up to class, you can't understand what the prof is saying. When you don't show up for class, the prof announces the entire class gets a bonus mark for showing up.
2. The only professor you have that can teach well and can get the lesson taught the logical and learnable way can't speak English, and the other prof who can speak English talks and writes at the speed of light.
3. Even if you spent 5 hours the night before polishing up an assignment to look good, and that includes colour coding and smiley faces on the top of each sheet, your TA will look at your name, and figure out that he/she doesn't like you or has not heard of you before, and give you a low mark anyway.
4. Assignments are easy to do when you start a week early, and they are a bitch to complete 30 minutes from deadline when you find out you did the wrong problem set.
5. You will not find more than 2 courses (assume you have a 5-class course load) under control in a given week.
6. Your classmates in your CS lab may look like bumbling idiots, but they are all smarter than you and are planning to take over the world as you write your Karel robot program.
7. The Unix labs are never filled up when you don't need it, and for CS 130 students, there will always be a line up for that single Windows machine that hasn't crashed due to overuse.
8. Just when you think you have disassociated yourself from your academics, CS 120 students quickly find themselves in love with their little fruity iMacs. CS 130 students may suddenly find themselves sucked into hell through their Viewsonic radiation tube.
9. The "beef" they serve at your dorm cafeterias are probably not meat at all, that's why they like to call it a "meat" option instead of specifying what kind of meat it is.
10. The manure smell of Waterloo will always find a way to seep into your dorm room through some crack or opening in your window no matter how many hours you try to tape the side mouldings.
11. The manure smell of Waterloo will always find a way to imbue itself to your clothing items as you walk out of the DC. It's like having the smell hammered into your shirt.
12. Just when you think you've cleared the manure smell as you walk into the DC, you'll find some guy walking beside you who stepped in dog doo.
13. Hot water will never be available between the hours of 4:30AM to 2:30AM. From 2:30 AM to 4:30 AM, there is no cold water.
14. The vegetarian option is never good or you'll find a piece of mystery meat in your vegetable soup.
15. Your 3rd year CS student who lives beside you cannot help you with Java because they all have forgotten it, or they hate your guts. Take your pick. [*Or they took the course when it was taught in Pascal two years ago. — HoloEd*]
16. Your roommate will talk on the phone and go on ICQ for hours when you try to sleep, and complain when you make the slightest noise to get up for an early morning class.

Continued on page 15...

...Continued from page 14

17. You can never find a free parking spot at Wilfred Laurier for your Business course.
18. You will be addicted to several classes here at UW, but they will have nothing to do with your math major (read Larry Smith's ECON 101, 102)
19. You'll find a weapon of mass destruction and/or blueprints for a weapon of mass destruction under the bed of your roommate.
20. Once you find a pretty girl (and there are plenty in our frosh year) in your math class, you'll quickly find out she has a boyfriend or she finds you inexplicably repulsive (only occurs for the male Mathie population). For the female population, you won't have much difficulty finding a boyfriend in the ranks of mathies. You can literally pick and choose and shop around!
21. Once you have the courage to ask a girl out, she'll probably laugh at you, your "I love math" t-shirt, and your square plastic glasses as she walks away with your wallet. (Again, not applicable to the female mathie population.)
22. Once you find that girl you like, you somehow get her number and/or ICQ number (probably by dumb luck), she'll quickly find you annoying and put you on invisible. She'll probably change her telephone number just to get away from you. (Again, not applicable to the female mathie population.)
23. Although your frosh leaders have advised you to walk by the Arts building once in a while to meet some girls, you'll probably find five minutes between your labs to run to the Arts Lecture Hall, where you'll present yourself as a sweaty and unattractive mathie, and make yourself look like a bumbling idiot.
24. Arts girls find you ugly.
25. Engineering girls find you dumb.
26. Environmental Students find you repulsive because you buy course notes thick enough to kill a forest.
27. Optometry students have perfect eyesight and they can clearly see that you're repulsive.
28. Business students find you intellectually unchallenging.
29. AHS students think you're fat.
30. Laurier Students think you're an idiot and incompetent because you're not in the BBA program.

So there you have it, folks. That's just a small extension to Murphy's Laws that are applicable in our daily lives. Don't forget to cut it out and put it in your wallet, because the next time an Artsie rejects you for a date, you can pull it out and predict the reason. That will impress her.

I've also been instructed to say not to flame the *mathNEWS* e-mail with bombs and hate mail on my account. They already get enough of that on top of the mystery Iranian subscription letters. Please send all hate/flare mail to r3lai@student.math.uwaterloo.ca. I will take your hate mail with good humour.

Until next round... cheers!

Raymond Lai

## Finding Romance for a Mathie

For all the single Mathies out there, are you sick of sharing your intimate thoughts with your computer terminal every night? Well, the good people at *mathNEWS* have decided to help you find romance amid your busy university life. That's right, we already have a list of guys & girls who could be your dream lover!

— Meet John, a 2nd year Pure Math student. John's current interests include solving orthogonal matrices, as well as proving the Riemann Hypothesis in his spare time. John is looking for a female who's into number theory and likes playing with Hermitian matrices. His one liner is: Hey baby, your eyes are as beautiful as the transcendental numbers.

— Meet Sam, a 3rd year CS student. Sam's current interests include applying numerical analysis on human-cyborg relationships. Sam is looking for a female, preferably one who enjoys coding in C++, to spend quality time with at the MC building at night. Females who enjoy physical contact with imaginary numbers are especially desirable. His one liner is:

for (char persong=="hottie";  
cout << "Let's do it like they do it on nth dimension kernels;")

— Meet Chocolate (fake name), a Grad Math student. Chocolate is the only female grad student in UW. Chocolate seeks a male who's NOT into coding in Fortran, playing with the Unix console, or solving  $n^{\text{th}}$  dimensional matrices in his spare time. She also prefers the person to bathe at least twice a week. Her one liner is: Please stop poking at me like I was a computer keyboard and stop speaking in computer codes to me!

Well, if you too are interested in having your name added to our dating service, send your personal info as well as your credit card # to *mathNEWS*. In the mean time, good luck in adding some romance into your exciting university life!

Anthony Cheng aka Sepirpah

## Olympics can be Scary

The closing ceremonies in Sydney were quite possibly the most disturbing thing I have ever seen. I was there, covering the games for *mathNEWS*, taking some pictures, when suddenly, all hell broke lose! A giant dodecahedron started descending from the sky. This was so freaky, because there were no wires or anything that I could see. The only thing I could think of, besides graph theory, was that Gorgon had arrived from the planet Gorga to teach us all a severe lesson in Gorganic Chemistry. Fortunately, it was just some guy and not an alien overlord, but his arrival did cause the release of the giant bouncing eyes. These were later followed by the enormous toy dolls and Midnight Oil. Scary!

Perhaps the most disturbing event during those final hours, was when Syd Platypus came around to visit the crowd. Now, I've had a deadly fear of monotremes since The Incident when I was five (And who wouldn't? Any mammal that can lay eggs is a freak that should be kept in a pen.), and Syd here wasn't helping to ease old wounds. He starts with the old friendly-waving routine, but before he can lay any eggs near me I punch him in the stomach and run away. Then the security guys came after me and things got scarier. But worry not friends, being made-up, their assault did little to hurt me, and now I'm back in Canada writing for *mathNEWS* again! Later, beware platypi!

Simon L'Avier still only speaks to me,  
Bradley T Smith

## Calculatrivia!

Last term, in Issue 5 and on the cover to be precise, *mathNEWS* ran a little segment in the spirit of GAMES Magazine called Calculatrivia. Those of you who missed it... missed out. The idea was to calculate the value of “x” based on our given equation, using responses to questions with letter values. *mathNEWS* will now provide the answers to these questions, as surely you’ve all been waiting for them.

a = The number of distinct train track layouts in the Real-Time Lab: **2**

b = The room number for MathSoc’s storage room on the third floor of MC: **3028**

c = The year that the next offering of a computer vision class is available: **2001**

d = Year of installation of the IBM 360/44 that appeared on the wall of the Red Room: **1967**

e = Minimum number of passageways you need to take to get from MC to Chemistry 2: **1**

f = Number of stepping stones in the Dana Porter Library moat: **70**

g = Number of correct submissions for the *gridWORD* in Issue 1 of Volume 71 of *mathNEWS*: **15**

h = Number of cents for one photocopy in MathSoc: **5**

i = Number that appears in the name of the parking lot where the new environmental science, engineering and computing building will be located: **1**

j = The price that appears on the cash register when Maggie Simpson is dragged across it in the opening credits of *The Simpsons*: **847.63**

k = The route number of the Kitchener Transit bus that went west on Columbia to Laurelwood and Beechwood in the early nineties: **13**

m = Number of names entered onto the “Garth Shut-The-Fuck-Up” plaque (not including Garth): **5**

n = Number of sides to the geometric shape suggested by the staircase outside the lecture hall in PAS: **8**

p = The day in August 1999 that Gary Dunford wrote about *mathNEWS* in his Page Six column in *The Toronto Sun*: **12**

q = Number of permanent stools in the Davis Centre: **397**

r = Number of times the phrase “Coke™ cards are evil.” appeared in *Daglobenpost* (with or without the TM): **223**

s = The course number for the course called “Herodotus” in the 1991-92 U(W) Undergrad Calendar: **372**

t = Number of bridges that cross Laurel Creek between Columbia and University: **6**

Working through the math, this obviously means **194.5** is the value of “x”. Unfortunately no one figured that out. However, there were two submissions. These came from Greg “hologrami” Taylor and from Jedi Masters Otis Kenobi and Doble Fett (the remains of St. Paul’s Shadow Council). The Jedi Masters provided some intriguing explanations with their responses, but alas only 3 of them were correct according to our Imperial measurements. Meanwhile, Greg “hologrami” Taylor (who was not editing last term and never saw the solutions) came up with 12 correct answers to the individual trivia questions. Ergo, he wins. Thanks to CAS for putting this contest together. Any quibbles you have with our answers above can be addressed to *mathNEWS*, but we reserve the right to ignore them completely.

mNEd

## Liam Spews

Bacon is slow. Well bacon is interesting, after you eat 4 pounds of it... well you feel like puking... and even if you take it easy and only eat 2 pounds of it... the fat starts to congeal in your stomach, and well... it’s not good... and then there’s gravy... it’s like bacon ‘cause there’s fat... but if you drink gravy (like the Swiss Chalet kind — YUMMY) it’s good... and you can drink a lot of it... but if it’s boiling you really can’t... ‘cause it burns... oh does it burn... and bacon the server is really slow ‘cause tushar is showing off... but that’s unrelated... and you should feel free to kick tushar when you see him... but not hard... ‘cause he’s a nice guy... so maybe you should just suzy kick him... and let me watch... but anyway... what else can I say, hmm... bacon... I don’t actually know how to cook it you see... well I do in a microwave... and I imagine frying it’s not all that hard, but I never have, and am starting to develop a phobia... oh well... at least I can still fly... and bacon shakes are really really really bad...and I’m getting a CAR... happy times... sorta... except for the whole expense thing... but there are worse things... hmm... and there’s a bunch of other cool things... and to whoever is organizing the absolute trials this term... are you still doing that? and when are they...? I wonder if the cat likes bacon, he doesn’t like pepperoni... but maybe... but he’s fat... really... really... fat...so Pam decided not to feed so much anymore... and now every time we go into the kitchen, he gives us this really pathetic look... but I just laugh ‘cause he’s funny... and that’s pretty random... hmm... back on topic... ok bacon... it comes from a Pig. hmm... My other roommate who has a passing acquaintance with pig farms... well when he talks about pigs having sex... he makes this really scary motion... yikes... too much info... so one day I’m eating bacon... and wow... bacon plus maple syrup is really good... but not so good... is just bacon... it just doesn’t have the same taste... as it used to... probably I ate at Mel’s too much... and no longer like it... but Mel’s is still cool... ‘cause you can eat there whenever you want on the weekends... and 24hr food is cool... Sobey’s is ok too... they also sell bacon... and bacon... well... we’ve been over that... ok... so one day I’m eating bacon... and this beautiful chick walks up and... tushar... shut up... so I’m eating bacon... and well actually I haven’t eaten bacon in a really long time... like ... since the last time my step-mom made me breakfast... and that was really really good... ‘cause she’s an amazing cook... hmm... actually... I have a barbecue... barbecued bacon????? hmmm... naw... so marshall you ever gonna bring over the steak? you know a couple of Saturdays ago I was at the Huether Hotel... and they have this amazing game... called “Karate Champ”, I suggest playing after you’ve had a couple... it’s really really fun and exciting... and difficult to master with alcohol... and it’s only 25 cents to play, and 25 cents for the second player to continue... and today... I was taking about the good old days of BBSs, and pointers are good... and I HATE Java... and I mean it has it’s uses... but I just HATE coding in it... anyway... I’ll stop now... ‘cause the conversation in the room degenerated into masturbation and well... I’ll stop now...

Liam Dorey

*[The editors would like to congratulate Liam Dorey, today’s recipient of the Skrzydlo Memorial award for the worst writing in an issue of mathNEWS. Well done, Liam, and we hope no*



## mathNEWSquiz #2

### Bad SquizMaster Exposed!

Immediately after his Fall term debut, Bradley T Smith proved unable to do something as simple as write four song lyrics and ask 15 questions. Mistake one came in not changing the webpage version on the Squiz and confusing all those who tried to solve the Squiz online. Mistake two also affected the Olympic section, by asking which years weren't there Olympics instead of which years were they cancelled, forcing contestants to write down upward of 200 digits. Finally, the directions for submissions must have really sucked because only one person submitted. So she won. Oh ya, and we fired the SquizMaster.

Yolanda, who scored 20, has achieved the highest plateau the Math Faculty has to offer: SquizWinner. Yolanda, you may pick-up your prize at the MathSoc office at your leisure. Here are solutions for those counting: **Aussie Band Lyrics:** 1. *Devil Inside*, INXS; 2. *Physical*, Olivia Newton-John, 3. *Beds Are Burning*, Midnight Oil, 4. *Freak*, Silverchair; **The Olympics:** 1. 1904 (yes, our women won the 4 x 100 way back before the men), 2. Athens, Greece, 3. 1916, 1940, 1944, 4. Australia, 5. December 8; **Australia:** 1. Canberra, 2. Methane (or pig manure), 3. VB, 4. Chuzwuzzer/Chazzwazzer, 5. Doctor; **Frosh Team Names 2000:** 1. Echo, 2. Tango, 3. Victor, 4. Papa, 5. Alpha.

Okay, so now I must ask you all to work hardish and submit sometime before October 16. Remember, you can drop them in the BLACK BOX across from the comfy or mail them to math-news@uwaterloo.ca. Go, solve, be happy.

### Music Lyrics

#### Points for title and artist, super bonus for theme

1. I'm on a roll, no self-control  
I'm blowing off steam with methamphetamines  
Don't know what I want, that's all that I've got  
And I'm picking scabs off my face
2. They stopped the hearse on George Street outside Sundance Saloon  
They all went in at half past eight and staggered out at noon  
They went up to the graveyard, so holy and sublime  
Found out when they got there, they'd left the corpse behind!
3. Ambition makes you look very ugly  
Kicking squealing Guici little piggy
4. Baby, let's go back in time  
To when our hearts would shine  
And I could hold you tight  
In my dreams at night

#### Pierre Elliot Trudeau (1919 - 2000)

1. What was his ironic zodiac sign?
2. What riding did he represent?
3. Name the documentary about his role in bilingualism. (It's a famous line of his)
4. What popular singer did he got out with briefly?
5. What popular group was Margaret Trudeau associated with?

### In The Funnies

1. Who called his little sister Lizard-Breath?
2. What is Andy Capp's pet name for his wife?
3. Who draws Fisher? Why do I care?
4. What should Calvin do when he catches a tiger?
5. BONUS: What's the world's most hated webcomic, and where is it's creator from?

### Left-overs

1. Where was Brian Williams filming from in Sydney?
2. How many digits after the decimal in pi is the first 0?
3. What colour is Eddie Murphy's suit in *Raw*?
4. Where is the original pink tie?
5. What play is Tom Stoppard's *The Real Inspector Hound* based on?

Go, solve, e-mail or put in BLACK BOX. We talk in two weeks. Ugh.

Replacement SquizMaster,  
Bradley G Smith

## gridCOMMENTS

### Where are the Geeks of Yesteryear?

Hey everyone. So let me be the last to welcome you to a new term of *mathNEWS*. (Last? Well, naturally. The *gridWORD* is always on the back page, you see.) A special welcome to all you frosh out there; welcome to Waterloo. You'll love it. It's a way of life.

So I'm Matt, and these are the *gridCOMMENTS*. You see, on the back page there's a crossword puzzle – the *gridWORD* – and these comments are where I babble about the puzzle or, more frequently, nothing in particular. Since it's about 1:30am in my time zone right now, and I haven't even started typing in clues yet, I'm guessing that I'm leaning more towards the “nothing in particular” category.

Anyhow, it is your solemn duty to do the crossword puzzle. Once you're done, you can submit your solution to the BLACK BOX, directly to the *mathNEWS* editor types, or by e-mail to me: mwalsh@alumni.uwaterloo.ca, if you please. In fact, if you do so by 6:30 on October 16<sup>th</sup>, you could be eligible for a prize! Wow! If you do choose to submit, please also answer the following question: *Who do you think you are, anyhow?*

At various points during the preparation of this grid, I talked to my one-time Lovely Assistant and to Ecogirl (though in neither case about the grid, or anything terribly relevant), and so this one's for them. There's a bit of a movie vibe to it, for those who care.

Happy gridding!

Matt in the Hat

P.S. To all of you old-timers who are now asking yourselves, “when is Matt going to stop writing *gridWORDS*?”: sod off, the lot of you. It's this or wade through 85,000+ rabid football fans.

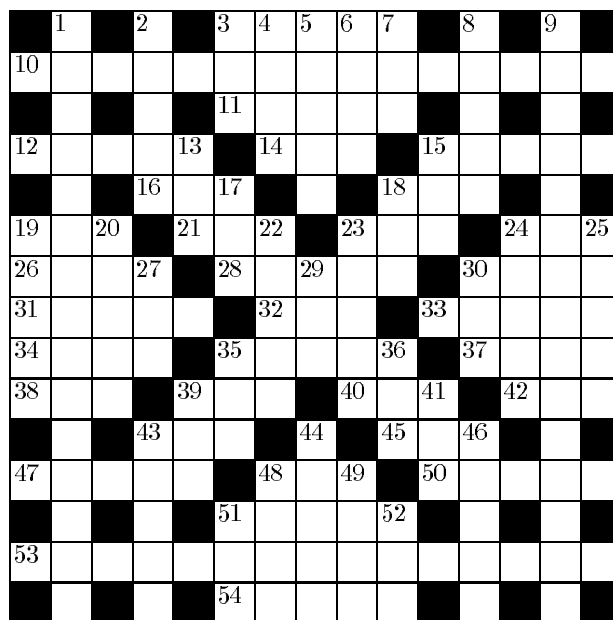
## Grid Clues

### Across

3. Disperse droplets
10. Oscar-winning film, based on Irving novel
11. Common U.S. immigrant port-of-call
12. Gain wisdom
14. Meadow
15. What it costs
16. Preference
18. What you do with 15 Across
19. Superlative suffix
21. A running bar bill, e.g.
23. Receptacle
24. Friend from Shawinigan?
26. Goes with aid
28. Type of pasta
30. Exceeded 100 on the 401, maybe
31. Keep a library book longer
32. Drive away
33. Vogul language
34. A little man?
35. Bring down
37. Apollo's mother
38. Grunt of surprise
39. Often intersects a st.
40. Goes with phone or drum
42. Can imitate life
43. Heavens above
45. Often picked by annoying people
47. Stringed instrument
48. A crowd on a rampage
50. Make a hard-copy
51. Juliet's beau
53. Kubrick military film
54. Larger cousin of 47 Across

### Down

1. Oscar-winning Benigni film
2. Christmas often is
3. Credits song from "Notting Hill"
4. Collect opinions
5. Measuring tool
6. Large continent or 70s band
7. Parker Posey's House?
8. Don't dawdle!
9. 1940s Bing Crosby film
13. Gross after taxes
15. Goat-footed god from Greek mythology
17. Quick snooze
18. Prefix for what comes before
19. A nearby planet
20. Before the eleventh
22. Swiss capital



23. Disproportionate
24. Cessation of breathing
25. Stupid or selfish person
27. What a gold ball sits on
29. Internet naming org.
30. Mineo or Marquez
35. Clingy plant
36. Left quickly, on foot
39. Alias (abbrev.)
41. Tear
43. With guile
44. African tribe
46. Cease fire
48. Speck
49. Goes with book and candle
51. Study program found in BMH
52. Oasis, in southwestern U.S.

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Pretending to be organized: Gregory Taylor and Richard Bilson