Does the Tie have more Air Miles than you?

*look*AHEAD

*mast*HEAD

May 24 is a really nice holiday, but it sucks some serious ass when you are trying to put a publication together on the day of the holiday. Usually *math*NEWS is written on Monday, checked on Tuesday, and sent to the printer on Wednesday. Things get a little interesting when you don't have the Monday in the mix.
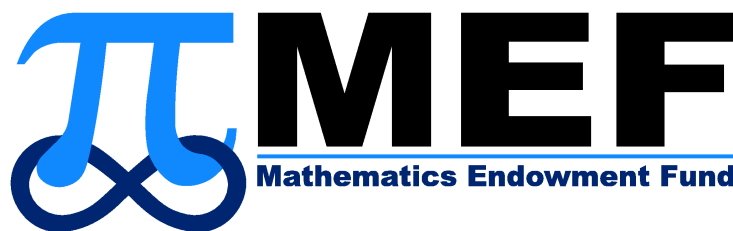
Oh, and we finally figured out how to do the web version from last term's editor. It was one of those things that was always done for me and I just assumed some magic elf had always done it. Anyway, it'll be up on the web regularly now, so if you're that girl from Harvard who keeps emailing us, you're in luck.

With the recent changes to ensure the Fall 2004 frosh don't have their feeling hurt for not being too swift a class, we asked our staff "What are you going to do now that you don't need 4 complete terms?" : Richard (Cancel my morning classes, so that I can sleep), Mark (Set a new record for terms needed to complete a degree [watch-out Snuggles!]), Aaron (Use the extra time to build something on the B2 green…oh wait…), Dan (Still take 5 courses/term and still not fail).

Shout out to Graphic Services. Yo, we be down wid dose cats.

Eric Logan (Take extended vacations)
Ian W. MacKinnon (Time machine back to F01, tell my 19-year-old self not to worry)

MEF Update

Have you ever wanted to do something to help improve undergraduate mathematics education? The Math Endowment Fund is currently accepting nominations to its Funding Council, a group of students and Faculty members who determine which projects are deserving of funding. Forms can be downloaded off the MEF website, `http://www.mef.uwaterloo.ca`. Questions about what this task entails? Send email to me at `mefcom@student.math.uwaterloo.ca`.

Speaking of spending money, MEF has approximately **$42,000** to spend this term. If you have an idea of a project that could enhance undergraduate mathematics education, MEF has money for you! Funding Proposals are due June 17th; forms can be downloaded from the web page. In the past, MEF has funded clubs, new course notes, travel to conferences, and much more. A full list of projects funded is on the web page.

Eric Logan
MEF Director S05

MathSoc Movie Nights

2ⁿᵈ Edition

Ok, so I lied about the movies that were aired last night. I'm sorry. When I found out that we *couldn't* get Coach Carter, I immediately found a solution in doing Tommy Lee Jones night. I hope those of you that made it out enjoyed Double Jeopardy and Man of the House.

You may have noticed that the two movie nights that have already run are themed: the first one being "Star Wars Movies you should watch before going to see Episode III", followed by "Tommy Lee Jones night". I decided to stick with this formula and have:

Animated Night (June 2ⁿᵈ)

7:00 PM - Shark Tale
9:00 PM - Robots

Romantic Comedy Night #1 (June 9ᵗʰ)

7:00 PM - Miss Congeniality II
9:00 PM - Hitch

For those of you that don't keep on top of video rentals, only one of these titles is available to the public at the date we're airing them. This means that we're showing lots of movies that you can't get (legally)! There's one other reason to come out: IT'S FREE!

MathSoc Movie Guy

Free movies! It doesn't get any cheaper!

mathNEWS wants YOU!

Write some stuff, win some money

mathNEWS works entirely on submissions from undergrads and some especially crotchety alumni. We're constantly looking for new writers in order to reduce dependency on crotchety alumni types. In order to encourage more submissions from Mathies, we've come up with this great idea! The "best" submission to each issue this term will win **$25 Gift Certificate to HMV**. Anyone is eligible! Faculty, alumni, staff, students, even that random guy from Iran!

How do we define "best"? Well, my co-editor and I will put our heads together and our subjective decision will be final. We promise not to choose ourselves, though, nor the editors that are off-stream right now.

We're not particularly choosy here at mathNEWS. Our criteria for publishing material are pretty simple: your article should be informative, interesting, insightful or funny. Long, rambling, pointless material is out. So are in-jokes, rants, and flamebait (i.e. no more articles about the damn exambank).

If you have a modicum of writing skill, feel free to submit. You have many options:

- Write it down on some paper and shove it in the BLACK BOX, conveniently located on the 3rd floor of the MC between the C&D and the Comfy Lounge. If you type up your article and print it off and then put it in there, we will be very upset, because you should…
- Email it to mathnews@student.math.uwaterloo.ca with the word "article" in the subject line. Alternatively, you can…
- Drop by Production Night! Write an article, and while you're there, help us with the proofreading and editing of the issue. All are welcome! The date of the next production night is given in the *look*AHEAD of every issue.

See, isn't that simple? So, in summary, write for mathNEWS, win $25 to HMV! Submissions for the next issue are due at **6:30PM** on **June 6th**.

Congratulations to this issue's winner, Nathalie 'MissLuck' Lussier! Contact the editors to claim your prize!

Eric "inkEd" Logan

If you have questions, send them to mathnews@student.math.uwaterloo.ca

California Dreamin': Eric Logan, Ian MacKinnon

Kevin Smith Movie Marathon

Do you love movies? How about Jay and Silent Bob? Do you love watching great films with friends all day long? If you answered yes to any or all of the above questions, then we want you. On June 11, your friendly neighborhood Watsfic (the Waterloo Science Fiction Club) will be running an all day Kevin Smith marathon, in the SLC multipurpose room. All 5 movies will be shown (that's Clerks, Mallrats, Chasing Amy, Dogma and Jay and Silent Bob Strike Back for those who don't know) back to back. The fun starts at 11AM and goes until we have nothing left to show. Oh and I almost forgot. It's free!

So if you want action, adventure, and lots of monologue, come out, and bring a friend. Movies are always better with a friend.

- Gharbad T. Weak
President of Watsfic, S05

Reading Weekend vs. Reading Week

There has been recent discussion both in Senate meetings as well as among students about the current Reading Long Weekend for Math and Engineering students and full week break for other Faculties. Senate will make a decision on what will happen Reading week for Math and Engineering students at the next meeting in June. Below is listed the current options for Reading week with advantages and disadvantages to each option.

Option 1: We keep the current system.
Option 2: Have a full reading week in February.

The main benefit for Option 1 is that we get three extra days to study for exams. This can be really handy when having a bad term. These three days can also be used to relax right before the exam period begins.

The main benefit for Option 2 are that we get an extra 3 full days of vacation. In the current system we are guaranteed at least 2 vacation days and since most math students do not take 5 math classes (or 5 courses all in math or engineering), but with Option 2 we get 5 days of vacation.

To vote for an option go to:

http://www.mathsoc.uwaterloo.ca/

There is another option that may be possible.

Option 3: Have a full reading week in February and three days before exams.

This option has the benefits from both Option 1 and Option 2. I am going to assume that most people would prefer this system as opposed to Option 1 or Option 2. If you do not want Option 3 please email me (contact information is below).

If you have any other questions, comments, or concerns, please email me.

Adam Felix
Math Student Senator
atfelix@uwaterloo.ca

Feds Election Today

For Math Councillor Seats

Vote online @ feds.ca

The Presidential Briefing

ls -la | grep prez

The first four weeks of school are come and gone. Remember, only you can prevent forest fires.

First off, fun link of the day: `http://www.bonusstages.com`. Don't try to understand the cartoons, because you risk serious brain damage if you do.

On a more serious note, the academic forum held two weeks ago was a rousing success. More than 120 people came out to our 2-hour forum, and many opinions and concerns were raised. As a result of this student consultative process, I relayed the concerns of the student body to the Faculty Representative Council. The motions regarding the new failure limits were passed, but the administration is cognizant of the many concerns that students raised including potential dilution of the Mathematics degree. The faculty is in the process of reviewing the first-year curriculum and is putting mechanisms in place for the fall term to provide the incoming frosh group with greater academic and personal support.

The Mathematics Society believes that peer-to-peer support is essential to the success of all students, especially the incoming frosh class of 2005. To that effect, we are looking into organizing a peer advisor program for the incoming first-year classes. Myself and our VPA, Leander Quiring, will be coordinating with the first-year advisor to make this happen in time for September. In the meantime, I would like to hear from you about this new initiative as well as from students willing to volunteer some of their time in the Fall term to mentor first-year students on a class-to-class basis. Email me or come find me in my office to find out more.

On a related note, we are considering a supplementary town-hall meeting sometime in June for students to get the finalized details of the changes to our calendar as well to air their concerns directly to the associate dean of undergraduate studies, David Taylor. Watch for posters in the hallways and be sure to attend to be informed.

On a lighter note, there's candy in my office. If you come to my office to introduce yourself and have a chat with me on a topic of your choice, let it be about how we can make the Society serve you better or how Burger King has wronged you for the last time, I will give you candy. Seriously.

Finally, on a more personal note, I'd like to welcome back my good friend Ben Willson, President of the Math Society in Spring 2002, back to the UW campus. He, and other Math grads, are attending a conference here in June. Public flogging and humiliation will commence as soon as he steps into the MC.

Raymond Lai
President, Spring 2005
Mathematics Society

VPF Sez

By the time you're reading this the budget will have (hopefully) passed. You can check out exactly what council has approved on the MathSoc website. It's been a crazy couple of weeks putting everything together, and if you have any comments or concerns with this term's budget I'm more than happy to discuss them with you. I have office hours every Tuesday and Thursday from 12:00 to 2:00. You can also talk to me via email at `vpf@mathsoc.uwaterloo.ca`.

Catherine
MathSoc VPF S05

VPAS Sez

Hey everyone, I'm Linda, your new Vice President, Activities and Services here. I'm the girl to talk to if you have a great idea for a social event or getting involved with MathSoc. We are always on the look out for people to help out. (Volunteers email me at `vpas@mathsoc.uwaterloo.ca`) You can usually find me in the exec office or running around the MC halls, feel free to stop by and say hi I swear I don't bite…hard. Cove Night was a huge success thanks to all my lovely and talented volunteers, and preparations for upcoming events have already begun. So keep an eye out for posters around the MC. That's all for now! Signing off,

Linda Wang
MathSoc VPAS S05

VPA-Sez

Hey y'all, just a quick note about what's happening around the Faculty. Last week's main event was Representative Council. We discussed the items brought up in the recent (and very successful) Town Hall. All motions were passed. So, for those of you in first year, that may be some good news for you!

Now, I hate to bring this up, but midterms are coming soon. But, if you're taking first year Linear Algebra and/or Calculus, help is at hand. Watch for posters going up soon about some review sessions this term. On a happier note, the Canadian Undergraduate Mathematics Conference (CUMC) is coming up in July. If you're interested in meeting mathies from other universities (yes, they exist!), listening to some cool talks, or even giving one yourself, visit `http://www.cumc.math.ca/` or stop by my office.

The only other thing left on my plate is to again remind you that if you have any academic questions/comments/concerns, please let me know. My email is `vpa@mathsoc.uwaterloo.ca`, and I have a scheduled office hour from 11:30-12:30 on Thursdays.

Have a great week, and here's something fun to think about: what's the integral of 1/cabin ?

Leander Quiring
MathSoc VPA S05

Volunteers Wanted!

Canada Day is just around the corner and WE WANT YOU!!! This year marks the 21st annual Canada Celebrations at UW. 60,000 people attend a HUGE PARTY put on by us every year. Volunteers are needed for many jobs. Including:

- Security
- Stage Crew
- Children's Activities
- Face Painting
- Information Tent
- Operations
- Sales
- Concessions

If any of these areas sound interesting to you, then visit `http://www.canadaday.uwaterloo.ca/Volunteers/index.htm` or email `canadadayvolunteer@admmail.uwaterloo.ca`.

Shifts are available throughout the day. Check it out now!!! Promises to be a great and memorable time. Please note that all volunteers must be at least 16 years of age.

HAPPY BIRTHDAY CANADA!

ElseWhen
17 Years Ago In math*NEWS*

Welcome back to the *math*NEWS archives! Our timing is irregular owing to the fact that there was only one *math*NEWS published S80 (25 years ago) and issues from 10 years ago on on the web.

Oh yeah! Want to read old *math*NEWSes? They're on the Internet at `http://www.mathnews.uwaterloo.ca`. Some of them are pretty funny. I particularly like Sarah Kamal. Which reminds me, MathSoc should get a lemon. Or maybe a football…

Anyway, without further ado, a precis of Volume 47, No. 2.

Eric 'inkEd' Logan

Student Glossary

Any student who ever took a mathematics course knows that certain words and phrases occur very frequently. This glossary might eliminate any confusion.

When the instructor says:	He really means:
Trivial	The student might be able to to it in three hours or so
Simple	An "A" student can do it in a week or so
Easy	This topic would make a good Master's thesis
Clear	The lecturer can do it (he thinks)
Obvious	The lecturer is sure it is in his notes some where
Certainly	The lecturer saw one of his instructors do it, but has completely forgotten how it was done
Left as an exercise for the student	The lecturer lost his notes
Is well known	The lecturer heard that someone once did it
Can be shown	The lecturer thinks it might be true, but has no idea how to prove it
The diligent student can show…	It is an unsolved problem — probably harder than Fermat's Last Theorem

The Nightly Hacker

UltraClassifieds

Attention Martin Chidichimo:
Please introduce yourself.

Your Math 230B class

VapidFire

- In a surprise move, it was discovered that ex-*math*NEWS staffers have bought 51% of the shares in the *Globe and Mail*. It is rumoured that they are going to hire UW's own Larry Smith as Economics editor, so that he can have his own forum for telling the Canadian people how well off they are.

- UW President Dwite Wroug, back in town for last week's convocations, saw the latest additions to DavisWorld for the first time. When asked what he thought of the centre, he replied, "Aw, man, the place is oh-bop-she-bam, I mean, lay-down, break-down, burning on the hot side of town. You dig?"

B2 Grey
Why you should want a building there

As many of you have heard, the University is considering eliminating the B2 Green (the oft-used frisbee turf between MC, B2 and the SLC/Ring Road). There are many positive things that will come from this that you probably have yet to hear. *math*NEWS has learned that not only will the building offer free labs for students to work on their own nanite army, but they are also incorporating a digital theatre in there, for which the University is in negotiations with the MPAA such that we receive movies at the same time as theatres. Rumours is that this will be provided free of charge on all evenings but Sunday. There are also talks of an indoor frisbee area, or that there would be a well-maintained green area on the roof exclusively for frisbee play. Talks are that there's going to be a direct link from the 3rd floor of MC directly to said frisbee area. Other things rumoured to be in the building include:

- A Poker lounge with at least one celebrity poker player/week

- University-endorsed gaming computing lab, where students can go to frag their peers (we've heard that there's a deal to get those new AMD Dual Core Athlon 64 X2 boxes with SLI graphics on dual 19" or greater LCD panels). These labs are supposed to be open 24/7, as opposed to the current setup that has students in labs from about 8 AM to 5 PM.

- An enhanced "Comfy Lounge" that will be cleaned daily (instead of once in a couple dozen years), which will include top of the line leather Lazy-Boy chairs and professional tables to reduce strain while casting that Pit Fiend.

As you can see, this idea of having the B2 Green turned into the B2 Grey is not really a bad idea. I mean, really. It's not like our campus is getting any nicer.

Mark "Beatlemaniac"

You know what would be great?
You submitting an article so I wouldn't have to plug small spaces like this one

Missing Hockey?
Watch Memorial Cup games

May is typically a really exciting time for any hockey fan. We're deep into the playoffs and there are at most 4 teams left fighting for Lord Stanley's Mug. This year, due to the cash-hungry players (and owners, really), there are no playoffs in the NHL. That doesn't mean there's no hockey. At the beginning of the month there was the World Championship in Austria. This event had a large number of NHL players in them. These days, you'd be hard pressed to find better hockey than the CHL's Memorial Cup. Whether you're watching the London Knights, the Rimouski Oceanic, the Ottawa 67s or the Kelowna Rockets, you're sure to see tons of future NHL stars playing their hearts out for next to nothing. This is what hockey is all about.

Enjoy it while you can…the final is on Sunday

Mark "Beatlemaniac"

*math*NEWS *mail*BAG

Dear *math*NEWS,

I sure hope our MathSoc dues aren't going to pay for the music collections of the *math*NEWS editors. $25 gift certificate to HMV? What were you thinking? I would think that the standard $5 C&D gift certificate would be more appreciated.

Gord Dameron

Dear Gord,

No, your MathSoc dues (from which *math*NEWS receives $3.00) are not going to enhance the editors music collection. The purpose of our bounty system is to encourage people to submit articles to *math*NEWS, as there is a sharp drop in submissions during the spring term. Since *math*NEWS is entirely run on your submissions, we are just trying something new to ensure your $3 is going to good use. Editors are not eligible to win, as otherwise, this would constitute a gross conflict of interest that only the people at Imprint would entertain. In fact, go bug them, I hear they were talking smack about your sister.

Dear *math*NEWS,

Hungry? The EngSoc C&D is open 7-7!

Dear Random Engineer,

Very funny. Ours is still cheaper.

Dear *math*NEWS,

I just want to post a quick message to let it be known that not all students oppose the nanotech building at the proposed site. In my opinion, the proposed site is great because it is close to many of the related buildings. Building the nanotech building in a north or east campus (as suggested by Matt Strickland) would be like building the DC 10~20 minutes away from the MC. Physical activities can take place in the vast expanses of grassy areas on the periphery of the campus (near V1 for example). I do, however, agree that the student body should've been better informed by the university admin.

Jui-Yi Kao

Dear Jui-Yi,

Thanks for your input. We really appreciate student opinions. We appreciate them more when then agree with our own. But this is a start. Pardon me, but now I must go Google for the definition of "Journalistic Impartiality". *[Seriously, though, thanks for your letter. Personally, I can agree that the location makes sense from a logistical standpoint, there are other issues to consider, like a thundering lack of greenspace inside Ring Road. Our campus is continually derided for being ugly, why make it worse? Oh, and someone should suggest that what UW really needs is a parking garage. A nice big one. So we can build on those parking lots and not lose parking spaces. Oh, and keep our last shreds of greenspace. — inkEd]*

Dear *math*NEWS,

What's with that "CC" logo on the cover?

Tim

Dear Tim,

The CC stands for "Creative Commons". It is a license which the *math*NEWS editorial board has decided to publish *math*NEWS under. The jist of it is that anyone can re-print *math*NEWS articles under the CC license for non-commercial use without asking permission. *math*NEWS has never had a formal Copyright policy, but we decided to avoid any future trouble by declaring this now. Since *math*NEWS is paid for by student funds, we felt the CC license best so that anyone can reprint the articles for their own use, while *math*NEWS still maintains a small degree of control over their use.

Send your letters to the *math*NEWS*mail*BAG to mathnews@student.math.uwaterloo.ca, or drop them in the **BLACK BOX**. To be considered for printing, letters must have a full name of the sender and some way of contacting you (email works fine). Please note if you do not want your full name published or if you wish to use a pseudonym.

The Editors

Campus Brownouts

Worst Places to be

- In an elevator with a big sweaty-guy
- Anywhere without natural light (no vision means ez groping)
- In the lab … 2 hours into an assignment … which you haven't saved
- Half-way through a hair-cut *[This happened to me… — inkEd]*
- About to pull a fire alarm to get out of an exam
- On your way to hand in *math*NEWS, with 2 minutes to spare, to Graphics Services for publishing
- In the cove about to school some punk frosh at DDR

Best Places to be

- 2 Minutes into a Calculus class
- The Bomber ("Oh my, the fridge won't work, what will we do with all this booze?")
- Similarly, Scoops
- About to get caught for going into the change room of the gender that isn't yours
- In the SLC great hall, listening to that weird Swedish-indie-punk music
- In the cove about to be schooled at DDR by some smart-ass 4th year

Ian W. MacKinnon

More Game Console Announcements

Last issue we told you about how Microsoft announced it's next generation console. Well, since then there was E3. Both the other companies hoping to have a chance next generation announced their hardware, either completely (Sony) or partially (Nintendo). So, in order to be fair to both of these companies, I'm going to discuss these consoles. In order to be unfair to these companies I'm going to lump both into the same column, because honestly why do I care if I'm fair to them or not. They're not paying me (yet) and so if they want me to give them biased coverage, then they need to make it worthwhile.

We'll start with the essentially fully revealed one, and that one would be Sony's Playstation 3. For all the information you need regarding it, I suggest you go back to last issue and read my article on the XBox. Raise all the numbers a little bit. There, you have the PS3. Basically they're going to have hardware that may as well be the same (I bet both IBM and ATI are smiling now) but if Sony is to be believed it's console is going to be slightly better. It doesn't even matter anyway since they're going to be playing the exact same games, since everybody nowadays releases on all consoles (sometimes skipping Nintendo), it's basically your choice between Halo, and games like Gran Turismo or Grand Theft Auto (one year early).

Sony wasn't the only company talking about their new console last week, Nintendo gave out a few secrets, about it's new console, the Revolution. Even though *math*NEWS wasn't able to attend E3 last week (some editor never looked into getting us a press pass), we did end up with some nice information that no one else got last week. Nintendo on their way to E3 made a quick detour to UW, and while they were here, they revealed to me just what the (yet unannounced) revolution of the Revolution will be.

Speculation was that it had something to do with the controller, and well... speculation was correct. The controller for the Nintendo Revolution is going to be something completely unheard of (well mostly, you'll see) and to follow Nintendo's downward spiral of controller design (although the Wavebird was pretty nifty, that still doesn't make up for the N64 or GC) they've decided for some reason to give us a controller that instead of using your hands, you will instead use your feet. Some of you may have your own pads if you have any of the home versions of games like DDR, well Nintendo has decided they want everyone to get more exercise, and so to do that, every game on the Revolution will require that moving around. The Nintendo representatives also commented that they figure that since the actual console is going to be the smallest, then the controller may as well be the biggest.

As for other details, the hardware is significantly weaker than that of it's competitors, and between this controller, and other design decisions they've made, as soon as the developers out there find out about this information they're all going to not bother supporting Nintendo anymore (if they even still do). When we brought this to their attention, all they said was "Well, the only people who are going to buy our console are going to to do for Mario, Zelda, Metroid and any other Nintendo only games, and they're probably going to buy another console for other games anyway so we just figured that we won't waste any time." They then added, "You won't believe how much Sony and Microsoft are paying us to do this. We could say it's a lot, but just wouldn't do it justice."

So there you have it, the complete *math*NEWS descriptions of all three next generation. I could use this space to make a Phantom joke, but well, if you care or know about the Phantom, then you probably read Slashdot or Penny Arcade, and there's nothing I can say that they haven't.

DanS

When Grannies Use Computers

My grandmother is 76 years old and 5 years ago she decided to take my advice and buy herself a computer. She assured me she could use it, since she had taken typewriting lessons in the past. I giggled and told her that there was a bit more to a computer than typing.

Let me recount some of her adventures: her computer had started misbehaving and crashing a lot, and I told her to bring it to the store so they could take a look at it (I live 9 hours away from her, so I couldn't solve her problems). Thinking she was bringing the computer, she brought the monitor back to the store. The clerk looked at her and asked where the computer was, and she pointed to the monitor. Needless to say the clerk shook his head and my grandmother had to go home to get the 'real computer' as she puts it now.

My grandmother loves to write e-mails. One time she was writing an e-mail to her friend, referring to her sister negatively (something about never visiting enough!), when she accidentally sent the e-mail to the sister in question. She swears she had her friend's e-mail address in the address field, and that somehow the server must have sent it to the wrong person! Her sister's reply was a snappy phone call.

MissLuck

Why you should vote not Conservative

About a week ago (as you are reading this) one of the Conservatives newest members, Belinda Stronach, defected to the Liberals. Why should we care? Well, for one this helped the (NDP-influenced) budget pass and staved off elections for a while. Then again if you are like the typical student, you probably don't vote anyways.

The important point to make is not only did Stronach defect, but her party, which is trying to gain support, decided that it'd be best to insult her in the worst possible way. Party members (or members of the provincial equivalent party) started calling her "an attractive dipstick", or accused her of "whoring" herself out for political gain. Unless the party is *trying* to get less public support, they really should have controlled the way things were said. I mean, when you're trying to get a particular group's attention, you don't spray them with machine gun fire.

Mark "Beatlemaniac"

Did you hear the one about the statistician?

Yeah, you probably did

Some Thoughts About Star Wars

First things first, I am not going to put up a **WARNING** for **SPOILERS** because honestly if you're reading this, and you still haven't seen the movie, then you obviously don't care about the movie and won't mind if these **SPOILERS** ruin it for you.

So anyway as I was watching Revenge of the Sith, and afterwards when I was thinking about what I had seen, I had several thoughts, mostly about stuff that doesn't seem to make any sense. There's pretty good odds that most of you out there reading this have had these same thoughts, so I've tried to spice them up a bit so that even if you've thought about it you might still like them.

- Orders are only given to wipe the memory of C-3PO, and nothing is said about R2-D2 this would most likely mean that at the time of the original trilogy, R2 should still remember most of the events regarding Anakin Skywalker, (and the whole Darth Vader thing) so why couldn't R2 have told Luke about his father, instead of "No, I AM your father" (It's misquoted so often I feel a strange need to make sure to point out the correct quoting here) you could have gotten a line like "beep boop whoo beep" and wouldn't that have been so much better?

- Alright, I'm very certain everyone here thought of this as it happened, in that how did Leia have any memories of her mother? In all likelihood she would have spent more time with her brother than with her mother, so she should by all rights be able to remember her brother too which obviously didn't happen. Second, how do you figure out that your mother is (and I quote from a Return of the Jedi script) "She was very beautiful. Kind, but... sad" from an experience of being born, being held in front of her, then having her name you, followed by dying. I don't even think I could get enough information from that experience now, let alone when I was like thirty seconds old. Wow, them Skywalkers are pretty talented.

- Jedi suck, at least if the majority of people watching the movie don't know their name (ie. Obi-Wan, Yoda, Anakin, I guess even Mace counts). Think about it, everyone knows and acknowledges that stormtroopers are not able to hit anything at all with their blaster fire. Also, Jedi can deflect blaster fire that comes near them. The clone troopers killed a LOT of Jedi by shooting them. Ergo, Jedi suck.

- Anakin turned to the dark side for the sole purpose of saving his wife and kid(s), the deal really was something along the lines of "Alright, I'll turn to the dark side, but we have to save my wife." Then she dies. Why does he stay with the dark side? Speaking of this, if you could break down the followers of the light side versus the dark side, it would be fair to say that one side uses discipline, while the other is reckless. Anakin Skywalker throughout his actions shows that he is a very reckless Jedi. However, when he switches to the *reckless* side, instead of becoming more reckless, or staying just as, he instead becomes disciplined as shown throughout the original trilogy. What's the deal?

DanS

Russell to Whitehead:

"My Gödel is killing me!"

Academic Services Fee

Yes, the university is proposing a new $10 per term fee, but it is up to you if we want it or not. The fee will cover the following pay-as-needed fees:

- Transcripts
- Letters of Permission
- To Whom it May Concern
- Verication

This fee will allow you to use these services anytime during your undergraduate career at UW and after you leave here. However, I should tell you some things that may effect your decision on whether you think this fee is necessary. • This fee would come into effect in Fall 2005 and everyone who is here or has graduated from here would be able to take advantage of this.

- The university will review this fee every year to determine the if it is too low or too high, and take the appropriate action.
- The university is considering another option of an e-commerce based system
- The university may go back to the as-needed payment system and, as such, those who paid this fee will get nothing in return.
- There are currently no statistics that tell us how many people actually use these services during their career here or afterwards.
- Some of these services are not useful for anyone after they leave the university.

Some arguments for the creation of such a few are an increased use in trust funds to pay for education, these require verifactions. Students will no longer have to wait in line to pay for these services. Students will be able to apply for jobs faster, as some employers require official transcripts to work. There will be an increased usage of these services as students will not be required to pay, which is a deterrent for using such services.

Some arguments for not creating this fee are that this a catering service to those who use these services more than some who will never use these services until they graduate. It is not a needed service, and that is why it is on an as-needed basis. It is a term fee, but what is the difference between someone who spent 8 academic terms here as opposed to someone who spent 10 academic terms here. Why doesn't my tuition already cover some of these things?

If you would like to comment on this fee, then email `atfelix@uwaterloo.ca`.

Adam Felix
Feds Math Councillor

A Math Limerick

1 to 9, pick a number I plea,
Multiply 15,873
    And again times 7
    The product to leaven
Your pick, repeating 6 times you'll see

*prof*QUOTES

"Compactness and continuity go together like how... strawberry and chocolate go together!"

<div align="right">Hare, PMATH 351</div>

"So am I stupid? Yes I do."

<div align="right">Kuo, PMATH 340</div>

"You see Bill Cosby and you smile. Then he can sell you stuff!"

<div align="right">Ennis, PSYCH 101</div>

(A bat flies into the theatre and commotion ensues.) "Of all the things that can go wrong, that's a first."

<div align="right">Ennis, PSYCH 101</div>

"I could be doing something more important than this - maybe rubbing my head with a brick."

<div align="right">Ennis, PSYCH 101</div>

"I've used the Gutmaster 6000, and I've never been so regular!"

<div align="right">Kenyon, PHIL 145</div>

"Maybe you're on the beach, and the seagulls are out of line."

<div align="right">Kenyon, PHIL 145</div>

"I just controlled your minds again!"

<div align="right">Kenyon, PHIL 145</div>

"Some people you need to keep at a distance."

<div align="right">Quinn, SPAN 101</div>

(Explaining his lecture style:) "I just go in and do my thing, I hardly even realize where I am."

<div align="right">Zhu, STAT 230</div>

"If you work for Microsoft, the only colour you need to know is blue."

<div align="right">Wang, MATH 213</div>

"What do we do in MATH 138? Well, we kill you... but then what else?"

<div align="right">Crippin, CO 480</div>

"My mouth isn't working today, my wife should have limbered it up more this morning"

<div align="right">Metzger, STAT 332/362</div>

(referring to Archimedes) "He wrote a book *On floating bodies* (pauses) and it's not a book on forensic science."

<div align="right">Crippin, CO 480</div>

"Everyone knows the alphabet, right? Alpha, beta, gamma, delta... and then comes epsilon."

<div align="right">Zima, CS 341</div>

"... and that's the guy's name in German. But this one's too hard." (Erases name)

<div align="right">Zima, CS 341</div>

(On *Groundhog Day*)"Things that make good movie plots don't tend to make good programs."

<div align="right">Cormack, CS 343</div>

"So imagine you're on a hyperspace camping trip, and for some reason you forgot your sleeping bag... You realize you don't need your infinitely many socks, so you remove them and you're still completely covered. In fact, you can keep on removing them until you're left with just your beach towel and coat, and still be completely covered."

<div align="right">Hare, PMATH 351</div>

Prof: "... so 2 is an isolated point."
 Student: "C'mon, I thought 1 was the lonliest point."

<div align="right">Hare, PMATH 351</div>

"Now, by convention... actually, I was at that convention. It was pretty good."

<div align="right">Marcoux, MATH 146</div>

"We gave this set of matrices a name. It was not George."

<div align="right">Marcoux, MATH 146</div>

"We'll call this the Replacement Theorem. This is not because it replaces another theroem."

<div align="right">Marcoux, MATH 146</div>

"And you can do that by subtraction. Is that a real word? Yes it is. Why did I need to worry about that?"

<div align="right">O'Donovan, PHYS 122</div>

"There was a guy at the same school named Ilya Vector but he had already heard all the jokes. At least it's better than being called a scalar. At least there's a point."

<div align="right">O'Donovan, PHYS 122</div>

"You must be an engineer. Wait, that isn't an insult, is it?"

<div align="right">O'Donovan, PHYS 122</div>

"Let's do an example of this. If we find a mistake in this theorem, we'll be famous! In the mathematical world, that means being known by hundreds, virtually HUNDREDS of people!"

<div align="right">Marcoux, PMATH 336</div>

A Plan for Quebec
We give it a "Weekend Pass"

Even though the threat of an early election has passed, the sponsorship scandal has sparked new life in the Quebec sovereigntist movement. We can now look forward to many years of a build-up to another independence referendum.

Rather than debate how Quebec will be worse off on its own, and how it has a great deal of control over its own affairs already, etc, etc; we should just let them go. Not for good, Canada should give Quebec a "weekend pass" to sovereignty. Quebec gets 2 years on their own, as their own country, and then they get to decide a referendum. This will be a little different than the your prison-styled weekend pass, in that it will be more for convincing the inmate how tough it is on the outside, as opposed to a transition to the outside. Yes, Quebec will enjoy the freedom of imposing the French language on anyone who steps foot in Quebec, but it will soon come to miss the nice federal equalization payments and realize that Canada wasn't all that bad.

Now there are some problems to the weekend pass plan, such as whether they have a seat in the UN, and whether they'd have to scrounge up some troops for NATO missions, but these problems are a small price to pay for settling the whole independence issue. It will be tough for those 2 years, but it will sure make for some damn good entertainment every night on the news.

<div align="right">Ian W. MacKinnon</div>

Molly the Frosh

Chapters 2 and 3:

These two chapters are the most important in the story. Like a punch-line without a set-up, this story would be meaningless without the exposition of these two chapters. Introduce Molly as the University student. Explain her excitement in realizing a life-long dream and the sense of achievement and fulfillment she feels in being an undergrad. For instance,

Molly left her calculus lecture feeling just a little giddy. The Profs covered the material in such intricate detail. Greek letters and graphs of functions stirred through and around her consciousness, as statements became proofs, proofs became theorems, and theorems became enlightenment. Molly had never felt as much honour or pride as she did in being a student in University.

Or just say something like,

Molly felt a great deal of excitement in being a University student. As stated in Chapter 1, she'd looked forward to it since childhood.

Set Chapter 2 during Frosh Week and start chapter 3 with a MathSoc meeting that loses quorum half-way through the agenda. Name all of the guys at the meeting Mike X and Dave Y, where X and Y are initials such that none of the names conflict with names in real life.

This should give the narrative opportunity to highlight Molly's intelligence and naive idealism and her warmth of character. This is like the bubbly, energetic sort of character that they show a lot of in horror movies before the bloody rampage. Except with the naive idealism thrown in, and a level of intelligence appropriate for a Math student.

The setting should also give the narrative at least 2 chances to get Molly drunk, namely, during toga night, and the night after the Mathsoc meeting, when Molly finds that the cafeteria is closed after her trek back to residences:

"Come to Molly's with us, Molly," said Gary, the Rec. & Leisure student, "they have cheap wings on Thursdays!"

No, they don't, but the volumes of research that has gone into this story should be self-evident by now. Don't forget to include some good drinking stories to keep the readers happy — everybody wins when Molly gets drunk.

Also mention the confidence Molly had in her approach to classes and friends and everything; and the alacrity with which she quickly filled her days with obligations as varied as:

- Watching *Friends* with Abbey, Bea, and Megan on Tuesdays
- ~~Studying with~~
- 2 Mathsoc clubs executive positions
- Social director of her residence floor
- Curling
- Pretending to do assignments while keeping the soc office open during regular Mathematics hours
- Drinking and partying on a regular basis with the Applied Health Sciences and Arts students on her floor

It's important that she gets to enjoy these exciting parts of her life, because she only gets to live it once.

More Molly the Frosh in future issues!

Chapter 4: Failing Calculus

Molly got her marked midterm paper. That doesn't seem right; she didn't remember doing very bad during the exam. She flipped it open.

"Interesting, if unconventional (and flawed) proof of Rolle's Theorem," said the comment, in red," but the question asked for a proof of the Mean Value Theorem — 1/15." Molly looked over her answer. It was a checkerboard of large X's and cross-hatch patterns with a few lines of confused math showing up in between.

Molly flipped to the next page, and then the next. It didn't get any better. How did she produce such a pitiful midterm? What was she thinking? Molly could only stare aghast and wonder. Molly began to realize that she held in her hands indisputable proof of her incompetence and worthlessness as a human being.

The Prof was well into the lecture at this point. He reached the end of the whiteboards and he picked up an eraser to replace the first board of notes with a new one.

Molly flipped her midterm paper back to its cover sheet and placed it on the desk in from of her. The "22" on the paper throbbed in her vision and ached in her heart.

The Prof's whiteboard erasing strokes seemed unnaturally ineffective. He stopped, looked at his eraser and tried another few strokes, "I hope this marker isn't permanent," remarked the Prof as he looked hard at the marker in his other hand. Then he declared sheepishly to the class, "I'm in trouble."

The class erupted in merciless laughter. Molly placed her binder delicately over the shameful mark on her midterm paper. She looked around her; it looked like nobody had noticed the embarrassing mark; it looked like her secret shame was safe for the time being.

For the remainder of the lecture, Molly found herself taking notes in awkward positions and failing to nonchalantly direct her attention away from the hidden midterm to avoid the possibility of someone else's casual glance discovering the awful truth. The Prof had stopped using the whiteboard and she wasn't paying much attention anyway — she had some awful thinking to do about the truth in front of her.

Molly left the classroom with the firm determination that she would pass the course. It was still possible, after all, with the final exam worth 60 percent of the course.

There was a gathering in the halls of Molly's residence floor that night. A couple of neighbours sat outside the doors of their rooms discussing their Physics midterms; a couple Engineers joined them; and by the time Molly returned from dinner, it had evolved into a highly contested and heated debate about the nature and circumstances of the existence of the ghosts in *The Sixth Sense*. The Mathie who lived at the very end of the hall came inside right behind Molly. He took off his green and purple jacket and tried to add his two cents to the discussion. Molly spoke over his slightly less louder voice.

"I think it's because the ghosts only appear where they have to be to finish their unfinished business," said Molly, "Bruce Willis looks like he's been in the room all along talking to Cole's mom, when really, he only showed up when Cole entered the room."

For no good reason, the engineers steered the discussion back on topic to the Physics midterm. The Mathie got up and left,

leaving Molly the only one among the gathered who had not taken Physics.

"Can someone explain to me how this trajectory works?" asked one engineer to his neighbour.

"I really think they'll bell this exam," said another, "given that so many of us failed it."

Molly eventually drifted away too, but with an added measure of hope for her academic future.

The next day, Molly went home. It was Saturday. She'd carried the burden of the awful mark for too long and she needed to tell someone she trusted.

"Dad, I failed my calc midterm," said Molly.

"Really? What did you do?" asked George, her father.

"I guess I didn't study enough. It's just that so much is going on right now," said Molly.

"I remember my undergrad days," began her father. He told Molly a long and pointless story about running races in pajamas and three-legged stools. "…So, you still have to work on your academics and stuff," he concluded, "or your marks will suffer."

"Yeah, I guess I should cut back on the partying and all that," said Molly, "I love you daddy."

I'm really running out of ideas tonight.

Revenge of the Sith: Yoda's Cut Lines

If you're anything like me then when you were watching Revenge of the Sith there was one line that Yoda had that seemed completely out of place, it was a line that didn't have the sound of a 8-900 year old Jedi master, but instead was an over the top pop culture reference coming from the mouth of this character. It was: *"Not if anything I have to say about it."* It seemed so out of place that I just had to look into it further, and what I found was not pretty. In older scripts to the movie Yoda had more lines of a similar type many of them just blatant rip-offs from other movies (that Lucas didn't need to pay for because they were so maligned by Yoda's grammar). The following is a list of a few of those lines, there were others but they so horrible that I couldn't dream of printing them here. It is left as an exercise to the reader to figure out what source George's influence was.

- *"Want the truth do you? Handle the truth, you cannot"*: when Obi-Wan wants to check the security cameras to see who killed everyone
- *"Back, I will be"*: said in a previous version of the script where after the fight with Palpatine, Yoda leaves on a more valiant note, and with a threat.
- *"Oops, Did it again I did."*: Referring to his judgements of the strengths of the Dark side, made at the same time as the previous quote, but with the slightly more dark tone that was eventually seen in the movie.
- *"Dead people I see"*: Said by Yoda upon Returning to the temple with Obi-Wan
- *"No… Your father I am"*: In a very early version of the script, Yoda was in some convoluted way Anakin's father, something about whatever that was with manipulating the force to create life, Yoda could do it too, and he was responsible for Anakin.

DanS

Squiz #1

So why was there no Squiz last issue? Call it a late hibernation, blame it on the new "no frisbee zone" building, or pretend that I was too busy devoting myself to pulling Frosh off of academic probation. But either wait, it's finally here; your chance to answer trivia questions for that wonderful $5 gift certificate from the C&D. What more could you ask for?

If you wanna win this fabulous prize, all you have to do is submit more correct answers than anyone else. I'll even let you in on a little something; you don't necessarily need to get them all right to win. So just write your answers down and put them in that little black box near the C&D or email your solutions to mathnews@student.math.uwaterloo.ca. So without further adieu, here are the things I want to know…

"Ma"

1. What is the collective name for Canada's four eastern provinces?
2. In which musical would I hear the songs "Thank You For The Music," and "The Winner Takes It All?"
3. Name the boat which carried the Pilgrims to the United States in 1620.
4. Which property in the board game Monopoly is misspelled compared to its real world equivalent?
5. Who is the only professor in the CS department whose last name fits this category?

M-A-T

Every answer in this category is some combination of the letters M, A and T.
1. In physics, what are the units for jerk?
2. How about force (according to Newton's second law)?
3. What would I find around the corner from the Turnkey Desk at the SLC?
4. What can I add to the beginning of "rp," "pe," and "ut" to make proper English words?
5. What would you call a set with all its elements removed?

Math

Evaluate the following expressions.
1. (feet in a mile) / [(ounces in a pound) - (quarts in a gallon)]
2. (vowels in the last province to join confederation) * (vowels in the last state to join the United States)
3. (catalog number for Linear Optimization) / [(catalog number for calc 2) - (catalog number for lin alg 1)]
4. (price of a cheat shirt in dollars) * (price of a MathSoc photocopy in cents)
5. (number of Star Wars movies) + (number of Back To The Future movies) - (number of Lethal Weapon movies)

Rocks

1. What is the more common name of the National Landmark known as Uluru?
2. What are the 4 Cs used in the grading of diamonds?
3. In one game of Curling, how many rocks are thrown total assuming a full game and no extra ends?
4. What movie features the main character hiding a rock hammer inside a Bible?
5. What is the other verse of the cheer that is formed by the category names?

And that's all she wrote! Remember to get those submissions in!
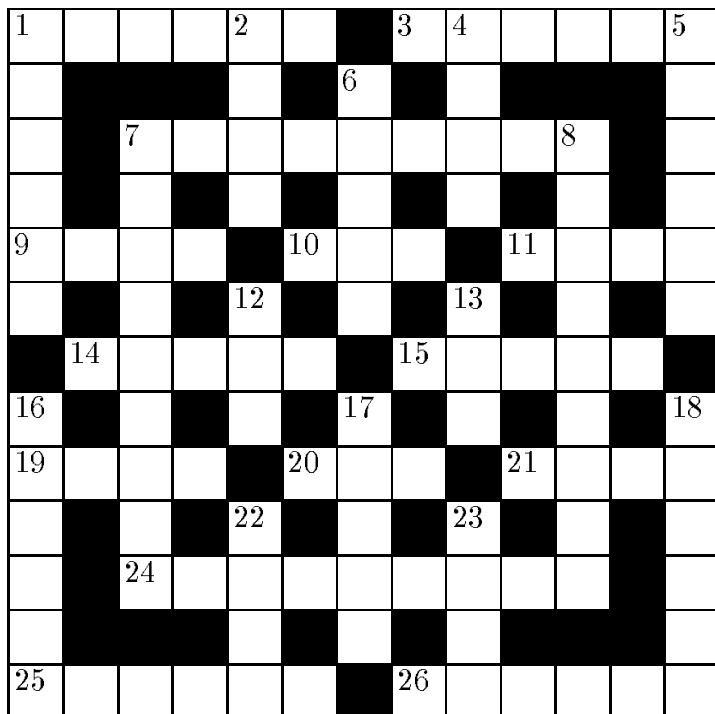
-Squizmaster Stoken

Across

1. penguin walk
3. think about unendingly
7. meritorious
9. experimentation rooms
10. rock band equipment
11. reed instrument
14. agog
15. takes advice
19. cut of pork
20. use a crowbar
21. avian
24. mountain calling
25. chattered incessantly
26. innumerable

Down

1. carve from wood
2. handicapped
4. famous swine
5. slanted
6. groom in the mirror
7. interpretive uncertainty
8. representing
12. mimic
13. commanded
16. slovenly
17. comical
18. amended
22. still
23. slick

GRIDXXORD

*grid*COMMENTS

It pleases me enormously to present this issues *grid*COMMENTS... I wish I knew what happened to our ConMaster. I screwed up last time (it was the CryptMaster who was missing), but this time, they're both AWOL.

The good news is that Adam Weatherhead submitted a complete solution to last issue's grid, which I have included below. His answer to the *grid*QUESTION was, "Because nothing got boring after a while". Also submitting were Jenn Meacoe (she got one wrong; her answer: "Because Mom gave me money") and Mark Cook (who didn't answer the grid, but did answer the question: "As you can see, there isn't"). While Mark's answer is witty (the question was: "Why is there something rather than nothing?"), this week's winner is Adam Weatherhead, who is well-acquainted with the mechanism for collection of prizes.

Psst! Hey you! Wanna write crosswords for *math*NEWS? We accept both cryptic and conventional puzzles. Apply to mathnews@student.math.uwaterloo.ca.

In a last minute flash, however, a grid appeared. Hey Jos! Get more sleep! Uh, oh yeah, the *grid*QUESTION is, "What's your favourite soda?"

inkEd, filling in

GRIDXXORD

Solution to Issue #1's Grid

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