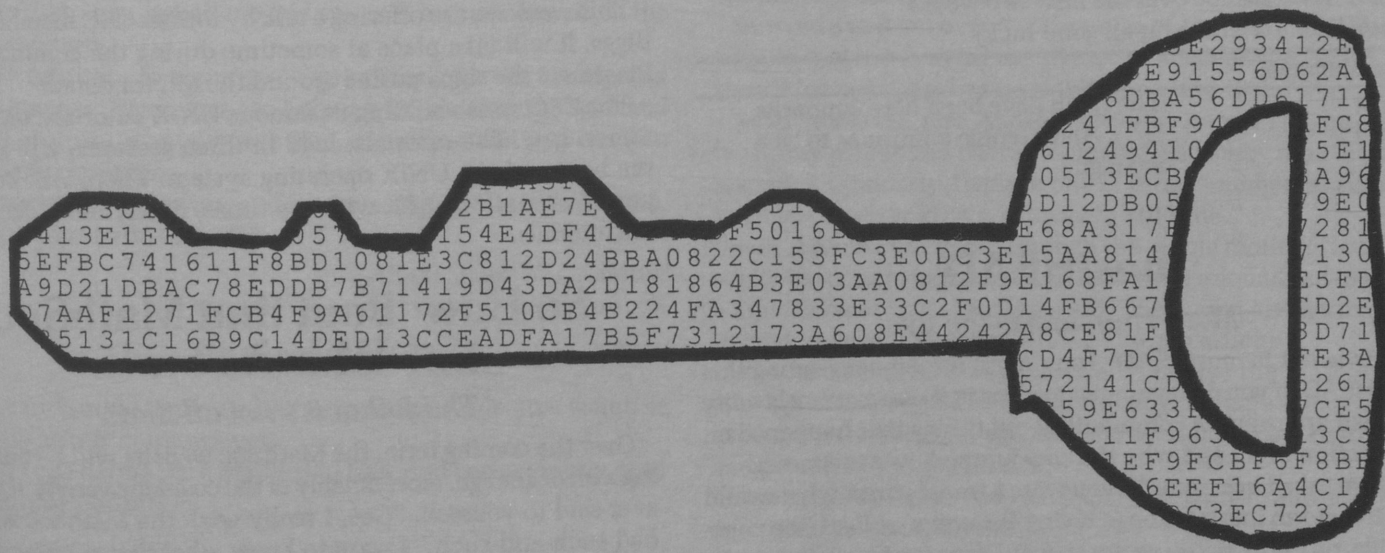


math NEWS

Friday, May 30th, 2003

Volume 92, Issue 2

FOR SALE:



The SSH Key
To a Girl's Heart

\$50, or Best Offer

lookAHEAD**mathNEWS**

May 30	Issue #2 realises that it can go outside without a coat
June 9	Issue #3 Production Night 6:30 pm, MathSoc (MC 3038)
June 13	Issue #3 gets a sunburn

Math Faculty

June 2	Second Year Info Night
--------	------------------------

MathSoc

June 2	Pints with Profs
June 2	MathSoc Council Meeting
June 3	Cotton Candy
June 12	Lemonade
Thursdays	Movie Night

MGC

Now	Sign up for Grad Photos (There will be none in the winter)
-----	---

Co-op

Interviews continue over the next two weeks
(*mathNEWS* wishes you all good luck)

Miscellaneous

June 3	The frosh have been here 9 months
June 5	Dr. J. Alan George continues to be a great guy

mastHEAD*More Than Meets the Eye*

This is not the *mastHEAD*. You do not remember reading this *mastHEAD*. If you do remember reading it, it was extremely witty and had appropriate comments about things that happened on production night and why the cow jumped over the moon.

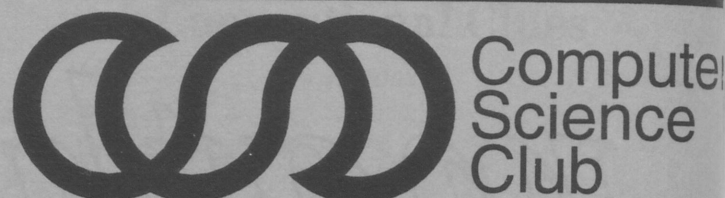
So we asked everyone "If you were a transformer, what would you transform into?: Aaron (a Flying DeLorean), Albert (the pope-moblie, oh lord!), Soo (a vector space), Diana (an ideal), Cassandra (an angry brit (or Chris)), Chris (a happy brit (or Cassandra)), Eric (the squizmaster 9000), Greg (a mailer daemon), Mohamed (your master), Craig (a scalar multiple of myself), Brian (yes), Adam (Jimmy "the fly" Snuka), Lino (the range space).

Louis (Koosh Taxi)
Krease (Burninator Prime)
Ian (pimp-mobile)

ISSN 0705—0410

mathNEWS is normally a fortnightly publication funded by and responsible to the undergraduate math students of the University of Waterloo, as represented by the Mathematics Society of the University of Waterloo, hereafter referred to as MathSoc. *mathNEWS* is editorially independent of MathSoc. Content is the responsibility of the *mathNEWS* editors; however, any opinions expressed herein are those of the authors and not necessarily those of MathSoc or *mathNEWS*. Current and back issues of *mathNEWS* are available electronically via the World Wide Web at <http://www.mathnews.uwaterloo.ca/>. Send your correspondence to: *mathNEWS*, MC3041, University of Waterloo, 200 University Ave. W., Waterloo, Ontario, Canada, N2L 3G1, or to useridmathnews@student.math.uwaterloo.ca on the Internet.

Rainbow Butt Monkeys: Chris Harasemchuk, Louis Mastorakos, & Ian MacKinnon



Computer
Science
Club

A Student Chapter of the ACM

CSC Flash

The elections for CSC executive were held in early May. We are happy to announce this semester's exec:

President: Jim Morrison
Vice President: Mike Biggs
Treasurer: Mark Sherry
Secretary: Gaelan D'Costa
Sysadim: Damian Gryski

We are currently undergoing a major change in the office, for those of you who've stopped by the third floor of the MC. The walls were recently painted blue. Thank you anonymous vendors! We are also in the process of completely cleaning the office and reorganizing the library. Come on in any time and help out!

This week we are offering a talk by former CSC member Billy Biggs. It will take place at sometime during the coming week. Please see the signs posted around the MC for details!

The CSC is also holding its famous UNIX Tutorials, taught by Simon Law. The tutorials, held in three sessions, will go over the basics of the UNIX operating system. There will be signs posted around the MC, with the times, dates, and locations of the tutorials.

So How 'Bout that MathSoc Website?

Think that it's not all that?

Over the coming term, the MathSoc website will be undergoing a bit of change, most notably of the cosmetic variety. If you've ever said to yourself, "Gee, I really wish the MathSoc website had such-and-such," I want to know what that such-and-such is. Ever had an idea about how the MathSoc website could be made more accessible or useful? I wanna hear it! Suggestions for additions, improvements, or other reasonable changes will be entertained at website@mathsoc.uwaterloo.ca

Eric Logan
Website Director S03

Midterms for Lunch!

Because Guns for Toys isn't as cool...

In order to re-stock the exam bank in time for midterms, the Mathematics Society is offering a special offer: give us a midterm that we don't already have, and we'll give you a voucher for an MGC pizza lunch. All you need to do is bring in your midterm from 1998 or sooner into the MathSoc office (MC 3038), and we can see if it's on our most wanted list. Don't worry about your mark on the midterm, as we won't be publishing your answers, and you can even have the midterm returned to you.

Ian W. MacKinnon
S03 Vice President, Academic

Prez Sez

Best... Student Society... Ever

So, we are well on our way in this spring term. If you ever want to know what I am up to as your president, check out <http://www.mathsoc.uwaterloo.ca/prez/>. There, you will find out about meetings, reports, issues, and representation. If you want to know anything else, e-mail me (my address is in the signature below.)

Get involved today. You can become a councillor (e-mail if you are interested in learning more and if you wish to be notified when nominations open up again.) You can also sign up on the MathSoc Office Door (MC 3038) for an office hour and help keep the office open; anyone can do it.

As you may or may not know, MFCF is splitting into two groups: MFCF and CSCF. If you are interested in learning more about this, there is room on committees that are overseeing this transition. E-mail me if you want more information or want to sit in on these committees.

We are looking at starting a Shadow Pool. If you want to help students looking at coming here by providing a student dimension to their tour, e-mail me and you will be included when the program starts.

New furniture is about to be purchased for the Comfy and C+D lounges. If you want to help out in deciding the type and style of furniture to be purchased, e-mail me and you can join the comfy committee.

There is a lot going on, and I have assignments to finish too. Alright, time to do some OS.

Albert "Puppet" O'Connor
e-mail: prez@mathsoc.uwaterloo.ca

Pure Mathies Rule

It's very simple to prove that pure mathies rule. Just watch as we delightfully convince you:

1. We can define pure mathies to rule, and consequently, they rule by definition.
2. Since pure mathies take real analysis, they have to know about measures, thus they must know how to use a ruler, and thus must know how to rule. Thus pure mathies rule.
3. They're rich! Just look at how many freakin' rings they have!
4. The PMC has pop for \$0.35. Q.E.D.
5. You can hit on people using English and Greek.
6. Half the things you do are trivialities, so you must rule!
7. Base Case: I'm a pure mathie and I rule. Inductive Hypothesis: Assume pure mathies rule. Then (trivially), by transfinite induction, pure mathies rule.
8. They assist CS240 students while not taking the course.
9. They love what they do!
10. They despise stats.

The Ebony Mathematician

mathNEWS Essential Sites List

In the grand tradition of pointless lists, the sheer amount of students on co-op terms with time to be killed, and forcing our personal tastes upon others, *mathNEWS* presents a collection of the "best of the best" (note: they may actually suck) of the Internet:

www.somethingawful.com Those with "morals" or "taste" are probably better off avoiding this site, but for everyone else, this site is easily one of the best on the Internet. Of note in the features section is "Next Week on Somethingawful". If you thought last issue's MS article was good flame bait, wait until you see the letters this site gets.

www.megatokyo.com An online comic written by Fred 'Piro' Gallagher, featuring the adventures of geeks Piro and Largo, and their strange gamer life in a surreal Tokyo.

www.penny-arcade.com Some love it, others hate it, but the majority of the time, its damn funny. Well, most of the time. Okay, okay, it's a horrible site, and don't look at it.

www.arstechnica.com Run by a bunch of Ph.D students from a bunch of Ivy League schools, this site is a great resource for all things computer related. As well, the white papers and other tech articles are among the best on the net. Read it daily.

www.slashdot.org Another one of the "love it or hate it" sites, there is no denying the effect that slashdot has had. A great source for news, professional opinions, and flame wars.

www.lowbrow.com Another tasteless humor site, but with a twist; any person can post a "moment," and every time the site is loaded, it randomly displays one of these "moments" some are terrible, others gold. A good way to kill time.

www.theonion.com Although the whole motif of "local person does something inane", and "someone unqualified to debate a topic debates that topic" gets old, The Onion always manages to have at least one or two REALLY funny articles.

www.mathsoc.uwaterloo.ca Of course the MathSoc site is going to be plugged here, but it really is a valuable resource, especially for first and second year students. Can anyone say sample midterms and finals?

www.theregister.co.uk Tech news with an attitude. What more can we say. Read the damn site!

www.drudgereport.com All the news that's not fit to print. Where else can you find out about a woman being set on fire at a gas station the minute it happens?

www.realultimatepower.net Everything you wanted to know about ninjas, and everything you didn't want to know. Learn the ancient art of seppuku, and how to do it with a frisbee!

www.homestarrunner.com The official home of TROGDOR, who was featured in last term's issue 6, then using that new star power to appear on the season finale of *'Buffy - The Vampire Slayer'* last week to defeat a dwarf with the mystical strength of a doily. Of course, there's other cool stuff there too.

Brian "WHA HAPPEN" DePratto

New Feature: Site of the Moment

For the rest of the summer term, *mathNEWS* will be taking submissions for our new "site of the moment" feature. Know of a good site, funny or otherwise, mail it to bdepratt@student.math.uwaterloo.ca. If we like it, we will feature it in the next issue of *mathNEWS*

Brian "what" DePratto

On May 26, the banner headline of *The Globe and Mail* announced a major event in world history — Israel's endorsement of a Palestinian state. For *The Record*, however, this significant piece of news was relegated to page six, with the entire front page dedicated to the victory of a local sporting team. Although I didn't read *The Record's* coverage of the Middle East peace process, I imagine it went something like this:

Israel Endorses Statehood for Palestine

Sharon, Netanyahu unaware of Rangers' victory

In a divisive vote yesterday, Israel's cabinet formally endorsed the notion of Palestinian statehood, a move unprecedented in modern middle eastern history. The significance of this event was overshadowed only by the Kitchener Rangers' first Memorial Cup victory in 21 years.

Israeli Prime Minister Ariel Sharon had no comment on this event of historic proportions. "I don't know anything about these 'Kitchener Rangers,'" he pleaded. "What on earth are you talking about?"

Not once during the vigorous, six-hour cabinet debate on the issue of Palestinian statehood did anyone mention the dramatic showdown between the Rangers and the Hull Olympiques. Had the issue of the Memorial Cup final been raised in cabinet, the rivalries between fans of the two teams would surely have disrupted the meeting and endangered the peace process.

Sharon's leadership rival, Benjamin Netanyahu, abstained from the controversial vote. He also chose to abstain from the celebratory parade to be held in the Rangers' honour, which begins at 5:30 p.m. at the Aud. "No, I don't think I'll be going to Kitchener for that parade," he commented.

Be sure to check the Saturday edition of *The Record* for a special 10-page section on the Rangers' victory and its implications for peace in the Middle East.

Eigenvector

Arts on Crack: 1st Edition

Note: Arts on Crack was written and designed by five bored frosh in the SJU fireplace lounge, on a long, cold night, in the middle of exams. No real mathies were harmed in the writing of this story.

It was a dark, lonely night in the SJU fireplace lounge. The sleet and rain poured down from the sky, as the lonely mathie frosh struggled to solve his complex matrix, and then to define, once and for all, if it was true that when x reaches infinity, there is no limit. The firelight flickered on the worn algebra text book, eerily highlighting thetas and lamdas in with an almost gruesome effect. "The limit... is... UNDEFINED!!!" the young mathie screamed, as his head began to implode from the stress.

He shook it off, and began to study once again, his thoughts moving towards the subject of women in math. Were there really women in math? He had seen a female once, in a classroom... she was taking notes... or were they notes? Did mathies even really take notes? Could they even write?

As he pondered these life-altering questions, his head slowly began to fill with a salient fluid and EXPLODED in one, swift, ugly second.

The sound of the rain echoed quietly in the lounge, while somewhere an artsie laughed.

Cass and the SJU Crew

Metal 101

Reach out and growl at somebody

Note to the Reader: If you have no idea what this is all about please see the previous editions of Metal 101 in the Winter '02 archives.

It is early in the term, but many of us are already starting to feel it: the pressure of finishing assignments, studying for midterms and keeping step in the frivolous dance of corporate posturing that comprises the co-op "process".

Do not be overwhelmed, brothers and sisters: many of us have walked this path before, and many of us will walk it again, defiant of the system that wishes to deprive us of our spirit, our creativity, and several of our of basic human rights; for our belief in true METAL is strong!

Indeed, the foundations of METAL are rooted in the soil of adversity, and have been nourished by the red blood and searing tears of its followers for decades. The suffering of our brethren has many voices in the schools of METAL, but none are as distilled nor as brutally inspiring as the discordant shriek of thrash METAL!

The Thrash School of Metal

Thrash METAL is one of the oldest schools of METAL and characterizes much of what the uninitiated perceive as the entirety of the religion: the relentless onslaught of percussion, strings and high-pitched screaming that beckons every last drop of your adrenaline to assault your system. Metallica, Megadeth, Anthrax, Slayer, Testament, Sepultura... these monarchs of METAL were all thrash bands at their inception, and their tradition is carried on today by a new generation of thrashers that hail from frigid Nordic hinterlands.

Intensity is the primary focus of the school of thrash METAL and this intensity is generated through fast-paced riffs and chaotic solos that are awe-inspiring in their depth and technicality. Vocals are usually high-pitched and clean, lacking the squeaky whine or Cookie Monster-like growl of death METAL vox.

Thrash METAL is the perfect motivational tool for surviving grueling physical or mental tasks: if you are ever witness to a jogger that growls and slavers at passersby, you can be sure that he is in the grip of a thrash METAL frenzy.

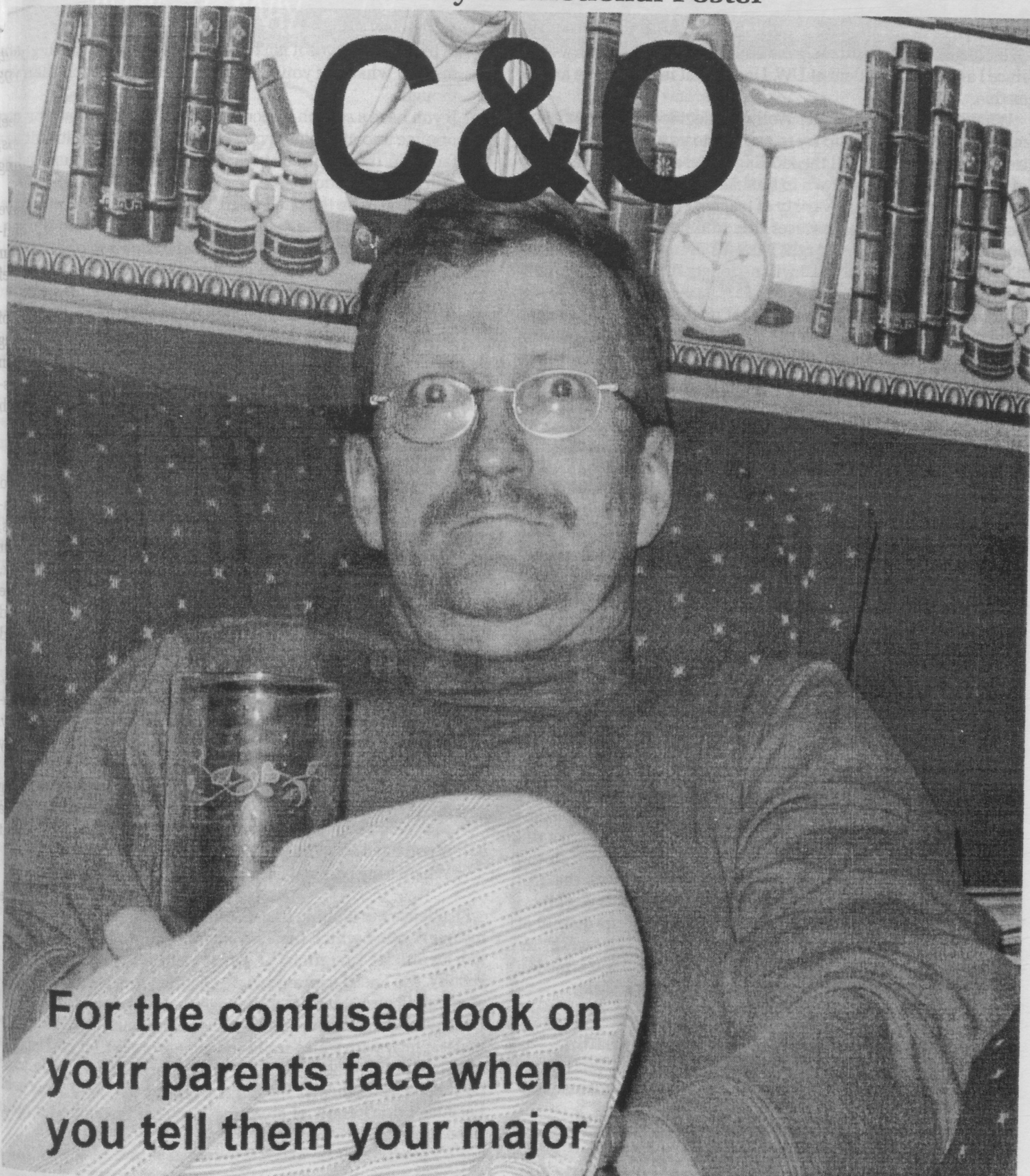
Here are some suggested tracks to begin your education in the school of thrash METAL:

- At the Gates - Slaughter of the Soul
- Sepultura - Hungry
- Slayer - War Ensemble
- Testament - The Fall of Sipladome
- Arch Enemy - Burning Angel
- Anthrax - Imitation of Life
- Kreator - Violent Revolution
- The Haunted - Bury Your Dead
- Megadeth - Poison was the Cure
- Metallica - Whiplash
- Soilwork - The Chainheart Machine

May the power of METAL strengthen you during these trying times.

Mike "without the sound of METAL, I go into shock"
DiBernardo

Math Faculty Promotional Poster



For the confused look on your parents face when you tell them your major

Ian W. MacKinnon

NEWS FLASH: Nobody is going to call it the Tatham Centre, it has been, and will always be, the CECS (pronounced "sex") building.

Lecture Etiquette

Angry Mathie with a Peace Offering

I'm angry. I'm angry at myself and at the world equally, and since I am a math student at UW, I guess that makes me an angry mathie.

What am I so angry about? Well, I've decided to take an hour out of my (busy) Friday to try to explain to you my current frustrations. Now let's put all the kidding aside, and change the tone of this article; let's get down to business.

I'm frustrated with the variety of teaching styles that I have for a schedule. I'm taking 5 courses this summer and I have a serious beef with 4 of them. Argh! I know I'm not the only one but it's getting quite ridiculous. I will no longer "sigh," instead I will "scream!"

Let me tell you about the course that pushed me over the edge. I unknowingly signed up for the course nicknamed "halfway to hell." I thought it would be a challenge, but a challenge that indicates a journey 50% towards hell? (The fiery hotspot where nothing but bad things occur)

Let "experiment" be taking STAT333

S = set of marks achievable in STAT 333

Let E = (mark > 50%).

So I eagerly awaited the first tutorial. Our Prof told us that our TA would cover some questions related to the first assignment.

I looked over the questions the night before and I admitted to myself that this would not be a walk in the park. No worries, I thought, the tutorial will lead me to the right answers, right? Wrong! I found the "person" lecturing the tutorial to be inefficient (yeah, go look that definition up at dictionary.com) which ultimately led me to lodge a formal complaint against this "person."

What was said in my complaint is now irrelevant. The outcome of the complaint is of much more importance: **some steps were taken to repair the breach.** I noticed that our "person" spoke up a little louder and that the writing on the chalkboard was a little bigger but there's still room for improvement. I even had a brief chat with the infamous prof of the hellish course! I was almost awed and amazed. She did have some good recommendations though: that I challenge the TA when he asks the class "Is this okay?" while pointing to a garbled mess on the chalkboard. She also noted that hardly anyone visits the TAs during their office hours. (I'm sure that'll change this week!)

Now we can sit around a table and argue about the quality of teaching here in the Math Faculty, but I do enough "work" regarding "quality" when on a work term. An idea has stormed in my mind, a potential solution that could help everyone:

Lecture Etiquette for Professors and TAs

(please forgive me, it's still in its alpha development)

1. Introduce who you are! It's the one thing you can tell the world without being wrong... how else is someone supposed to make a first impression?
2. Speak loud enough for everyone to hear. (Wha? What did you say? I missed that?)
3. Write clearly and big enough for everyone to read. (If you're lecturing in a big room, maybe you should write a bit bigger. Will the guy/girl sitting in the back row know what the subscript next to the x is? Or is that just chicken scratch?)
4. If the class doesn't respond to you when you ask a question such as "Is this OK?", what do you think that means? Maybe this audience doesn't respond well with the Socratic method

of teaching. Maybe it isn't OK. Maybe the road to enlightenment of whatever you research is harder to teach than you thought.

5. If you have a speech impediment, be aware of how you pronounce and articulate your words. Could your accent be a factor in the ability of your students to learn material required for the course?
6. The content on the chalkboard should have some structure. The "medium is the message" is it not? So should the message be written as a puzzle with no indication of direction. In terms of answering a word problem on the chalkboard, is it really too much to ask for the same guidelines that are asked of us in assignments and midterms and exams? Some one has to be able to understand the answer presented, and unfortunately sometimes students have to study that jigsaw chicken scratch you call a solution.

Hey if you're going to GET anything, you gotta GIVE something in return right? (Birthdays work in a similar fashion I'm told)

Lecture Etiquette for Students

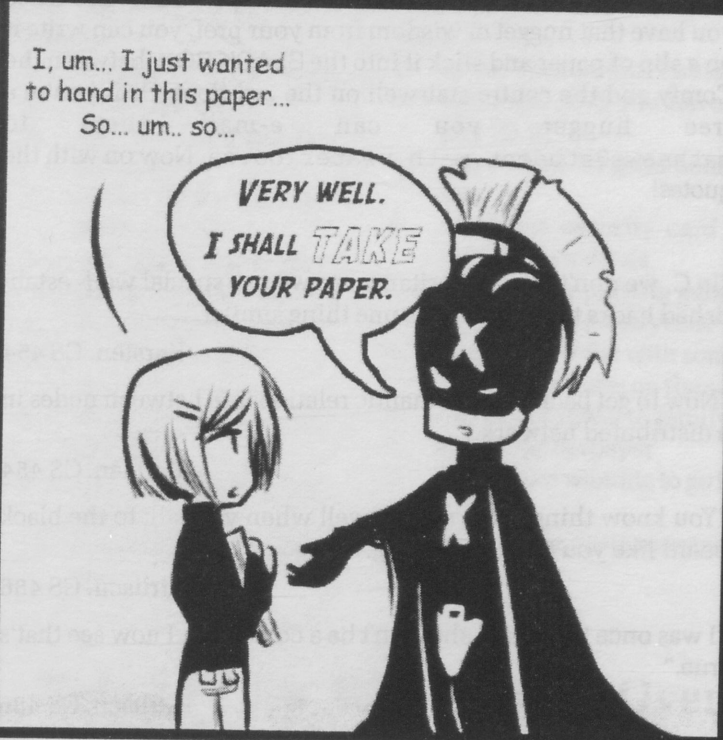
1. When the big clock in the classroom hits the designated start time of the class, PAY YOUR RESPECT to the person trying to teach you. Be quiet and attentive. If you don't want to, then don't bring the rest of us down who actually care where our tuition money actually goes.
2. If a fellow student has to ask you to keep your voice down then please do! If there's something really crucial to talk about then take the chat outside. I don't need to regurgitate your irrelevant chatter on the upcoming assignment do I? Is it really pertinent to the course? What if the Prof asked you what the hullabaloo was all about?
3. If a fellow student has to "ssssshhhhhhh!" you, you're lucky it was a sshh because I was about ready to toss a book at you — aiming of course for your nose in an attempt to send you to a hospital far far away.
4. If you have a cell phone... I'm not even going to finish this. Where's my baseball bat?

I'll silence my tapping fingers which are directly connected to my angry mind which fuels my angry thoughts if we can establish an official *unofficial* Lecture Etiquette for the UW Math Faculty. (Do I need to draw a Venn Diagram for this solution?) So angry and happy mathies unite together: all people of the Math Faculty, undergrad, overgrad, grad student, single attractive females, pretty with a nice smile and a huge brain that makes him look like putty (where are these girls?!) professors, researchers (is there a difference?), T's and A's. Let me know of your beef because I don't know of anything else that tastes better on an open flame.

Today Josh
Mr. Daydream
Mr. Sneeze
Mr. Brave
Mr. Mean
Mr. Nonsense

APRIL & MAY - 002

by Dan Kim (<http://www.clone-army.org>)



Conspiracy Theory of the Fortnite

The building that was recently renamed the Tatham Centre after being referred to as the CECS Centre was renamed because of William Tatham's donations. Or so they say. It may well be because of the way in which people pronounced "CECS."

On second thought, there is probably no truth to this theory. It may be more likely that it was changed so students can't come up with a derogatory nickname for it such as "Needless Hell."

Midnight Capture the Flag

For fun frolicking around the MC, meet in the Comfy Lounge just before midnight on Sunday, June 8. You don't want to miss it.

Overuse of the Pumping Lemma causes blindness.

profQUOTES

If your prof ever says anything funny, be sure to write it down in the margin of your notes and send it to *profQUOTES*. Once you have that nugget of wisdom from your prof, you can write it on a slip of paper and stick it into the BLACK BOX, between the Comfy and the centre stairwell on the 3rd floor. Or if you're a tree hugger, you can e-mail them to `mathnews@student.math.uwaterloo.ca`. Now on with the quotes!

"In C, we don't have inheritance, so we use special well-established hacks to achieve the same thing similar."

Karsten, CS 454

"Now to get back to the romantic relationship between nodes in a distributed network."

Karsten, CS 454

"You know things aren't going well when you talk to the black board like you talk to your dog."

Patruscu, CS 486

"I was once told that I shouldn't be a comedian, I now see that's true."

Patruscu, CS 486

[Student answers question]

"You are absolutely right, I was just joking."

Cowan, CS 341

"If you were writing code for a spacecraft that was flying past your anus..."

Cowan, CS 341

"[There are] 30 days in a month — 360 days in a year."

Millard, BUS 121

"The simplest system is a two layer system — but it's horribly complicated."

Dasiewicz, CS 440

"Many people misspell my name and call me Tory."

Vasiga, SE 240

"If you ask me a question, the answer is usually 'ask me next week'."

Vasiga, SE 240

"Nobody will get less than zero for this course. It's reassuring [Pause.] Mostly because Quest would explode."

Vasiga, SE 240

"That's too precise. As software engineers, you aren't too concerned with precision. I know, because I have engineer friends. They live by 'close enough'."

Vasiga, SE 240

"Please don't post any spam to the newsgroup. If it starts with 'make money' or 'free XXX passwords', don't post it. Those belong to, I don't know, uw.se.porn... [Gasp] That newsgroup exists? Yeah, naked software engineers. That's exactly what we need to see."

Vasiga, SE 240

"We're not using common sense, we're using proof rules."

New, PMATH 330

"Base 0 doesn't work too well."

Geddes, CS 370

"I didn't have an affair, I had a *menage-a-trois!*"

Vander Woude, MUSIC 140

"If you can't do integration, that's none of my business."

Zhu, STAT 230

Scratch 'n' Sniff Thongs

I'm Waiting for Pina Colada

Since There Exists Preston's Howl

Now that I've got your attention, I am going to request your participation in an informal survey that will have STAT 231 profs reeling with displeasure. I ask you the following question: "Do you know what Preston Manning sounds like when he speaks?" Please send your answer, along with which province you grew up in, to `refoorm@teamohms.org` (that's three o's.) Residents of Western Canada are ineligible. I need to know this data so I can decide what action to take for an assignment I have to do. *mathNEWS* readers are such a great representation of the population in general...

Useless Banter

Why do so many people avoid pushing the crosswalk button when they cross University Avenue by the train tracks? We have a pedestrian overpass and a signalized crosswalk. Most of the

time, people use neither. This reminds me of my days as a student in junior high school. It would be forty below and nobody would wear a toque or gloves because we were too cool for that. Because frostbite shows personality.

Personally I take immense pleasure in pushing the button. There's nothing like being in control of a red light on University Avenue during rush hour. Especially because I know how much it pisses off the people who are driving the stopped cars. I get mad as hell when that light turns red when I drive, but since I walk to UW, I always use the signals on that crosswalk just so I can stop traffic. I also walk very slowly.

You're all students at the University of Waterloo. You don't need to worry about being cool anymore. Now excuse me while I walk home and get drenched in the rain. I'm too cool for umbrellas.

Aaron Klotz

Aliens Land in Southern Ontario

Only you can help repel their invasion forces!

Earlier this month—sources do not agree upon the exact date—a preliminary assault force of alien beings touched down in Southern Ontario and began to lay the groundwork for a larger invasion. These creatures, who refer to themselves as the Ssssttp, or “Fiddleheads” in English, resemble small green tentacles or plants coiled in a spiral pattern. As the first step of their invasion plan, they are attempting to integrate themselves into terrestrial ecosystems, typically masquerading as the seedlings of the green-leaved ferns commonly found in the forests of Southern Ontario. High level officials of the Canadian Security Intelligence Service (CSIS) warn the public not to be taken in by this ruse; once a sufficient number of Fiddleheads have established themselves in a region, they combine their telepathic forces to hypnotize the local human population, and then proceed to eat their brains.

Government officials are doing their best to combat this threat, but they need your help. Fiddleheads are notoriously difficult to kill; even after they have been rendered unconscious through the use of traditional chemical explosives, they merely lie dormant until their cells have regenerated sufficiently for them to revive and continue their genocidal assault on the human race. It takes a particular combination of corrosive chemicals, found most commonly in the human stomach, to destroy these fiendish monsters. For this reason, your government requires that you contribute to our national defense by consuming as many of these creatures as you can (and for some reason they have enlisted *mathNEWS* to help disseminate this information.) A recipe for their preparation is included herein for your convenience*:

Quick Marinated Fiddleheads Ingredients

- 5 lbs freshly slain Fiddleheads
- 1 lb fresh wild leeks, ramps, or shallots
- Fresh pepper—hot or mild to taste
- Fresh herbs (cut fine)—basil, tarragon, thyme, rosemary, and chives
- 5 cups apple cider or wine vinegar
- 3 tbsp sugar
- Salt to taste

Clean and rinse Fiddleheads. Blanch Fiddleheads in boiling water for 10 minutes or until tender. **Warning:** Fiddleheads can cause food poisoning if not cooked enough. Remove from heat, drain and rinse in cold water to cool them. Clean and cut up peppers, wild leeks, and fresh herbs.

Pour vinegar over cooled Fiddleheads in a non-reactive container. Add cut up peppers, wild leeks, herbs, sugar, and salt. Stir to wet all ingredients. Add olive oil and stir again. Refrigerate for 24 hours before serving.

*This recipe shamelessly ripped-off from www.fiddleheads.com/recipe.htm

Every citizen must do his or her part! Remember, these are alien monsters bent upon the destruction of humanity. Anyone who says otherwise, or claims that Fiddleheads are only baby ferns, is probably a mindless puppet under telepathic control, already a victim of the Fiddlehead conquest.

Greg Maloney

Careers Today

Prison vs Work

Prison

1. spend time in 8X10 cell
2. three meals a day
3. time off for good behaviour
4. guard locks/unlocks doors for you
5. can watch TV & play games anytime
6. own personal toilet
7. family & friends can visit
8. all expenses paid by taxpayer
9. spend time inside bars wanting out
10. deal with sadistic wardens

Work

1. spend time in 6X8 cubicle
2. one meal (and you have to pay for it)
3. more work for good behaviour
4. must use security card to unlock own doors
5. get fired for playing games or watching TV anytime
6. must share toilet with someone who urinates on the seat
7. can't even speak to family
8. you're the taxpayer
9. spend time wanting to go inside bars
10. deal with sadistic managers

Todo List For When I Take Over The World... or something

- Deport all stupid and obnoxious people to a lunar habitat, thus eliminating them from the gene pool (where stupid and obnoxious people are those who claim sci-fi is stupid, or watch *The Bachelor* or *American Idol*)
- Eliminate thoughts. Thoughts hurt the brain
- Decree that everyone can wear white after labour day, regardless of what the snobs say
- Give Antarctica to my brother so the penguins can experiment with new methods of torture
- Prevent Friends from airing another season, because the only possible relationship left is incest, and NOBODY wants to see that (at least no one not already in orbit)
- Alter the rules to hockey so that only the Leafs are allowed to win the Stanley Cup
- Propagate the Canadian image of igloo dwelling, moose eating, hockey playing Canucks - it's so much fun watching Americans look like fools on 'Talking To Americans'
- Buy large quantities of orange traffic cones so I can redirect all other traffic into the Pacific
- Pay for all purchases in pennies because I rule the world and nobody can stop me
- Schedule all boring and nonessential meetings for the 31st of September
- Get a white lab coat and learn to laugh maniacally (Einstein style hair is optional)
- Decree that chocolate cake must be eaten for breakfast
- Anyone known as an early riser or 'perky' will be shot
- Airlift Leonardo DeCaprio to the top of Mount Everest, have him say "I'm the king of the world!", then push him off. Take Ricky Martin along for good measure (and say he slipped)

geck

Ask a Sitcom-Writing Hack

Dear Sitcom-Writing Hack,

I've got a problem with one of my co-workers, whom I'll call "Bob." At my workplace, we take turns making the coffee each day. Despite the fact that we keep filtered water in the refrigerator, Bob always makes it with ordinary tap water, which is hard water, and the minerals in the water make the coffee taste funny. How should I address this situation without alienating Bob?

-Ticked-off in Texas

Dear Ticked-off,

Here's what you've got to do. You've got to go up to Bob and be like, "Hey, Bob, you wanna lay off the hard water? I already took my vitamins to get my daily dose of iron." Then, a third co-worker standing nearby will be like, "You go girlfriend!" Then Bob will sneer and sarcastically say, "Bite me," or maybe "Talk to the hand." Okay, well, imagine if Bob were played by Matthew Perry, then it would be funnier. And it'll also be funnier with the laugh track telling you that it's supposed to be funny.

Dear Sitcom-Writing Hack,

There's this girl that I've got a crush on. I've never actually met her, but she's really cute and I'd like to get to know her. I'm a little afraid to meet her, though, because she might not like me. What should I do?

-Lovelorn in Louisiana

Dear Lovelorn,

I've got a zany plan to get her to like you. What you've got to do is find a good-looking male friend of yours to ask her on a date... but then you go on the date pretending to be him. So, you've got to take her some place where she won't see your face, like, um, say... a masquerade ball! Yes, that's it! During the date, she gets to know you, and even though you've never met her before, she'll turn out to be everything you've dreamed of. You two will hit it off right away, and at the end of the night you can reveal your secret identity. But wait, there's more. It turns out that your good-looking friend has also fallen in love with her, and the two of you have to compete for her love. You'll win out in the end, because you've got a great personality and he's just a jerk. Oh, man, this is the best plot ever! I should ask for a raise for this one.

Dear Sitcom-Writing Hack,

I'm a mother of three, and I'm worried about my oldest son, who is eighteen years old. You see, the parents of one of his friends are out of town for the weekend, and as a result my son is planning on going to an unsupervised party at his friend's house. I'm worried that there will be alcohol at the party, and that he might drink despite being underage. How can I convey to my son the dangers of alcohol and peer pressure, without sounding too preachy?

-Concerned in Connecticut

Dear Concerned,

Aw, man, this sounds like one of those "very special episodes." I hate these things. I don't get to be funny at all; they're all serious and stuff. It's getting pretty bad now, with the network doing like two or three of these a season. Whatever. Man, the things we do to convince parents to let their kids watch our shows.... You know what? I'm sick of this crap. I quit. I'm going to go and see if I can get a job writing *Austin Powers 4*

Eigenvector

Signs You Are Black and In Math

1. The obvious one: You're the only black one in your class.
2. Profs know you by name by the end of week 1.
3. Your favourite subject is REPRESENTation theory.
4. You're the only one who can put pens in your hair without them falling out.
5. You savour every ounce of Marcoux's attempts at ghetto slang.
6. You categorize everyone else as white.
7. You understand the lyrics to a Jay-Z song, and can simultaneously row reduce.
8. You're in math and your skin is black.
9. You get pissed off if someone thinks you're brown.
10. People in your math class ask what island you are from forgetting that there are people who are from a place called Africa.
11. The C&D's spicy food is extremely mild.
12. You don't like complex numbers. You prefer keeping it real.
13. You make sure to visit as many black people as possible once you leave the MC.

The Ebony Mathematician

Mad Cow Disease Hits Alberta

Ontario Prepares for Economic Devastation

Foreign responses to the mad cow scare in Alberta are as bad as expected, according to Agriculture Canada. "We're very concerned about the effect this will have on the Canadian beef industry," explained C. M. Peterson, government spokeswoman. Since temporary bans were announced on Canadian beef, ranchers have become very concerned about their livelihoods. Alberta, where the cow was located, produced 69% of the total beef production for 2002 in Canada.

Ontario is preparing for economic catastrophe, as production from that province amounts to a whopping 18% of national beef production. Agriculture Minister Helen Johns is very concerned about the effects of mad cow on SARS-plagued Toronto. There are already rumours circulating that General Motors is aborting a plan to convert an Oshawa manufacturing facility into a meat packing plant.

Primary industry (including agriculture) accounted for 1.7% of Ontario's GDP in 2001.

"We're trying as hard as we can to minimize the impact of the beef industry's downturn on the Ontario economy," says Peterson. When reminded that it is Alberta, not Ontario, that stands to encounter significant losses, the federal employee asked, "What's Alberta?"

Aaron Klotz

Grains of salt a plenty

Mad Cow Jokes

Two cows are talking.

Cow 1: "Hey, did you hear about that mad cow disease?"

Cow 2: "Yeah, but I'm not worried about it."

Cow 1: "Why not?"

Cow 2: "I'm a duck."

Q: Why can't men get mad cow disease?

A: Because they're pigs.

Attack of the...

In the year 2003, on the thirtieth day of the fifth month, something big happened. Most people did not notice anything unusual at all. They went about their daily business as if everything were the same as it was the day before. But little did they know that deep in the heart of the Dana Porter Library, a struggle, one of life and death was raging on between the forces of good and evil.

It had all begun just four days earlier, at *mathNEWS* production night. One of the writers had decided to go do research for an article he was planning on writing. He was in the Dana Porter Library looking for a book when he somehow got lost and found himself at the very bottom of the building, surrounded by pipes and walls. He wandered around aimlessly for many minutes until finally, he found his way to what appeared to be a small hole in the ground.

Being the curious person that he was, he reached his hand into the hole and felt around. He felt nothing and attempted to bring his arm out. He found quite quickly that his arm was in fact stuck in the hole. He pulled and tugged, hoping to release his arm from the hole but to no avail. The student began to worry, and with one surge of energy managed to pull his arm out. But it was not just his arm that came out of the hole, there was something else there.

He leaned over and saw a small book, about the size of a piece of bread. It appeared to have some unusual symbols and markings on it and in big bold letters it said "The Archive." The student was very curious as to what this "archive" was and decided to open it. He flipped through the first few pages, but there was nothing of interest there. It contained mostly names of people and some dollar amounts. When he reached the 14th page, however, his interest was peaked. Written at the top of the page, in the tiniest of print were the words "Destroy *mathNEWS*".

Our fearless writer was shocked. He closed the book and attempted to put it back in the hole, but the hole had mysteriously vanished. He threw the book on the ground and started to run. He ran round a corner, then another, and another, and another, just running whichever way he could. No matter where he went, he would always end up back at the book. He decided that it was a sign, so he picked up the book and put it into his pocket, now determined to find out what the mystery was.

Eventually, he was able to find his way to a staircase, but was puzzled to find the stairs lead down instead of up. He had thought he was already at the bottom of the building. He peered down and saw darkness, with a faint glimmer of light in the distance. He lightly crept down the stairs and followed the source of the light. He found it to be coming from a room with a slightly ajar door. He peeked around the door and into the room and was shocked by what he saw.

Inside the room, was a man at a computer terminal with a large quantity of machinery scattered about. Many of the machines were operating, making loud noise and seemed to be producing something. He knew something was wrong and decided to investigate. He poked his head into the room and saw rows of cages, containing what appeared to be a combination of animals

and machine parts. "Who would do such a thing?" he thought to himself. But no sooner had he peeked into the room, than the man at the desk had turned to see him standing there.

He ran in fear. The man shouted at him and gave chase. He ran up the stairs to the basement and took a sharp right. He ran as fast as he could until he finally came upon a staircase that led up. He went up and ran all the way back to the MC. He decided that he needed some expert help if he was going to foil this attempt to destroy *mathNEWS*. This led him to consult the one man he knew could help him: The Brad!

It took time to track down The Brad, but he was found in England. The Brad was aware of the existence of this evil organization, as he had defeated it in the past. He was the one who had buried the book in the basement of the Dana Porter Library almost 8 years ago. The Brad immediately flew back to Waterloo to help combat this evil. He established a crack team of former editors including Pete, Latrell, Albert, and Stu. When they were all seated in the *mathNEWS* office, each one looked into The Brad's eyes and knew what he was about to say.

Before The Brad had opened his mouth, Stu said "count me in". Each of the others nodded in agreement and it was done. With their weapons in hand, the five brave soldiers departed from the MC over to the library. As you read this, a battle rages deep within the depths of the library. Who knows what will happen in the upcoming battle? Could this mean the end of *mathNEWS*? Tune in next issue to find out! (If there is a next issue!)

π

csNEWS

Because we can do more by spreading our resources!

Since NEWS publications need to be as cool as computing facilities, like MFCF, we need to follow the trend and split. So starting next term you will see *mathNEWS* resources split into creating two publications, *mathNEWS* and *csNEWS*.

We at *mathNEWS* are in no way looking to waste time and money creating a needless dual bureaucracy to serve a purpose which could be done better by one co-ordinated body. See, the distinct societies of CS and Math have very different senses of humour. As the audience is so very different we clearly need two different papers, and different budgets. It isn't that we like more money, and are justifying raising our fee by this needless action. I assure you after 4 or 6 years, when your degree is finished and you don't care anymore, the transition to two publications will be complete and we will almost be as efficient as we are now at producing excellent humour for you to enjoy.

So when you pick up your two student publications and logon to the lab using either your MFCF or CSCF password, you will know we are all working hard to make sure you, the students, get the best service you can. You know that we are in no way after power or money grabs.

unsarcastic

So How Do We Bring Tourists Back to Toronto?
Let's De-Criminalize Marijuana!!

Point/ Counter Point

We need more women

As everyone knows, women are underrepresented in the Mathematics faculty. It is really a disgrace to the university when we show such discrimination in our admissions policies. Studies have shown that students learn better in diverse environments, so the faculty is really shooting itself in its foot by not diversifying in terms of sex.

I propose that the faculty install a strict affirmative action program in which half of the incoming class of students must be non-male. This would actually be remarkably easy to implement, as one must identify their sex on their residence application. Sure, some males who would be otherwise qualified to come to UW would get the shaft, but the spaces freed at other institutions by the theft of their potential females will make sure that all qualified students will still receive a position in a university. Besides, the rest have an abundance of females anyway, and balance is needed more than anything else.

Some groups on campus may view this as nothing more than a "quota system", but to these grand-standing objectors in faculties with women I have one response: screw off.

I think it is apparent that the Actuarial Science program has already adopted such a quota program, given the disproportionately large number of females in this program. One can see the success that has come from this decision. Actuaries are highly paid, and respected professionals who get very decent co-op jobs. Is this attributed to the fact they do something very valuable to the finance sector? NO! It is clearly because employers respect the gender diversity of the Act. Sci. program.

In conclusion, the gender affirmative action program is the way to balance the injustice to all in the Mathematics Faculty. Imagine a faculty of equality in terms of everything, including gender statistics, it would be a good time in my books. So, thanks for siding with me and not my opponent.

Ian W. MacKinnon

We need less men

My friend in psychology in a very non-UW university once complained that she has 6:1 female:male ratio in her program. Oh, the glory that must surround that place!

In all seriousness, we have WAY TOO MANY guys in the faculty! Now, you may argue it's a good thing for the females, but honestly, there IS a limit to how many times we can endure cheesy math pick up lines, being asked out over the Internet, sometimes even in programming languages, or just being plain gawked upon. (Surprise, surprise, half the population on this planet DO have breasts.)

So here is a proposal: Export the non-female population to... well, somewhere else. They'll be happy, we'll be happy.

You ask me what the female mathies will do without the overwhelming number of men?

Simple. Date engineers.

You say the men will not enjoy arts?

shrug Meh.

O Mathies, Mathies! wherefore art thou Mathies?

Deny thy geekiness and refuse thy nerdiness;
...please?

'Tis but thy hangout place that is my enemy;
Thou art thyself, though not a Mathie.

What's Mathie? It is nor kernel, nor xterm,

Nor object oriented programming, nor vectors, nor any other part

Belonging to a study. O, be some other faculty! (Please?)

What's in a faculty? That which we call a school

By any other name would be as sweet;

So Mathie Males would, were they not Mathies call'd,

Retain that dear obsession over women which they owe
Without that attachment to us mathie females..

....have you filled out the transfer form yet?

{Soo}{o}'

Another List of (Un)Official *mathNEWS* pick up lines

- Hey baby, wanna Squeeze My Theorem, while I poly your nomial?
- What's the probability of me sampling your space?
- I'm in CS.
- Wanna see my orthogonal project?
- Is that a lemma in your pocket or are you just happy to see me?
- My hard drive has a huge storage capacity and is fully operational.
- I may be a softie but I know how to work a hard drive.
- My natural log is massive.
- My pole is ready for standard conversion.
- My matrix is ready for orthogonal diagonalization.
- My function doesn't have an absolute minimum, it's all supremum.
- I've got rings for your pleasure.
- $I r = 1 - \sin(\Theta)$ you
- Are those real or complex?
- I'll show you what the Central Limit Theorem is good for.
- Will you recruit me for a RIM job?
- I'll be normal to you all night long.
- If you want real stackOverflow I'll push() till you pop().
- The most beautiful power series would be centred around you.

UW Hires New Professor

In addition to the famous Professor of Feminist Philosophy hired earlier this week/month/whatever, UW has recently announced the hiring of Major Dick Pigstein, who will serve as Professor of Chauvinist Philosophy.

This was a bold move on the part of the University, and *mathNEWS* has had the unique opportunity to talk to the Dean's office about the decision. "Major Pigstein came to us highly recommended, and we feel he will add to the diversity of the Faculty we employ here at UW. He offers a unique perspective which will round out the teachings of the Philosophy department."

Being the avid journalists that we are, *mathNEWS* met with Prof. Pigstein ourselves to ask him about his plans.

mathNEWS: Welcome professor, thank you for joining us.

MDP: Thank you for having me.

mathNEWS: Why don't you tell us a bit about yourself first.

MDP: But of course. I was born and raised in London, England. I studied at Oxford for four years before coming to Canada. At that time I received my Masters and PhD from The University of Toronto in the area of Chauvinistic Philosophy.

mathNEWS: That's quite a record you have there. So what makes you want to teach at The University of Waterloo?

MDP: I've found that the students at the University of Waterloo have some very strange ideas when it comes to the way things should be. For example, women are actually allowed to attend class and to speak to the males without first asking permission. This is a travesty! I do not blame the women, no no. I blame the fathers and the husbands and the brothers who let them leave the kitchen time after time after time.

mathNEWS: Don't you think that in this day and age women should be allowed to leave the kitchen and explore the world?

MDP: Oh I most certainly believe that a woman should be al-

lowed to leave the kitchen. It is totally unreasonable to have a washing machine and a dryer in the kitchen, there just isn't enough room for it.

mathNEWS: That's ridiculous! Certainly you must know that women have been treated as equals in North America for a number of years.

MDP: Ah, but I ask you, does that make it right?

mathNEWS: You must be kidding.

MDP: On the contrary, I never kid.

mathNEWS: So then what is your opinion on the role of men and women in today's society?

MDP: Men should be out earning a living to raise a family. When he comes home, he should expect a clean home and dinner on the table.

mathNEWS: What do you say then, to all those fathers that stay at home, cook and take care of the children?

MDP: I believe those men need to stand up for themselves. No longer should they spend bent over cleaning floors and raising children. They should be out earning a decent living and leaving the woman at home, where she should be.

mathNEWS: I see. So what courses are you teaching this upcoming year?

MDP: I will be teaching Phil 173, Introductory Chauvinism, Phil 265, Chauvinism in the family, Phil 281, Male Chauvinism, and Phil 480, Metachauvinism.

mathNEWS: Do you have any parting words for all the readers out there?

MDP: To all the men out there, I salute you. You make this world the great place it is for all of us. To the women out there, if you were lucky enough to have this read to you, then I say, get back to work. Your break time is over, that floor still needs to be scrubbed.

Diana and Lino

Arts on Crack: The Second Chapter

Note: Please see the aforementioned disclaimer

It was in the middle of midterms, and mathies everywhere were frantically rushing to finish their midterm assignments. One lonely mathie, hidden away deep in the depths of the MC, was fanatically trying to finish his kernel for RealTime. He had worked for more than two days straight on his OS, and now sat, sweaty, smelling, full of grime and pus, with blisters on his fingers and spots in front of his eyes. Beside him, regardless of lab rules, lay a 24 case of Jolt... with only one bottle left.

He gazed at it with caffiene-dazed eyes. He needed only to submit his assignment... but could he stay awake? Would it work? Would he be able to finally make it in on time???

In a trance, he reached for the final bottle of Jolt. He unscrewed the cap... chugged it all down in one fell swoop...

His head began to spin, and he raced around the room, JUMPING and SCREAMING, BOUCNING off of the walls, and MOONWALKING on the desks. His heart burst into a throbby pile of blood and gore, as the mathie staggered to the computer, one minute too late to submit his assignment...

Sitting in a room, with a subwoofer on, and the music pounding, an artsie began to giggle hysterically.

Cass and the SJU Crew

Lord of the Rings

What they didn't teach you in PMATH 334/345

It began with the defining of the great rings. Three quotient rings were given to the complex elves: imaginary, wisest, and fairest of all sets; seven to the irrational dwarf lords, great miners of the decimals; and nine were given to integer humans, who above all desire power series. For within these rings was bound the axioms and operations to govern each set. But they were all of them deceived. Deep within Kerndor, in the fires of the darkest kernel space, the dark lord Zero defined in secret a master ring which contained all others. And in all rings zero could be found. Into the master ring he asserted his cruelty, his malice, and his will to send all elements to zero.

Unity by unity, the free sets of middle-space fell to the axioms of the ring.

But there were some elements which resisted. A last coset of men and elves operated on the ideals of Kerndor, and in the space of kernel doom, they fought for the freedom of middle-space.

To be continued ... if it isn't funny now, take PMATH 334/345.

Albert "Mr. Anderson" O'Connor
with props to Diana and Jen

Best Two out of Three

A Review of the Matrix Reloaded

Sometime in the past couple of weeks, many of you doubtless dragged yourselves out of your houses and into one of the numerous bloated megaplexes that now infest the Canadian landscape like buboes on a plague victim for the purpose of watching the new Matrix movie. Doubtless, many of you who saw it did not know what to think of *The Matrix Reloaded* because the writers of *mathNEWS* had not yet told you what to think about it. This review is written with the intent of correcting that situation.

The Matrix Reloaded is much more than a feel-good comedy about two time-travelling teenagers who leave their homes in the suburban United States to kidnap famous historical figures as part of a high school history project; it is also a deep and moving commentary on living and loving in a postmodern world. Also, it has good special effects.

Released in an atmosphere of tension and heightened expectations, *The Matrix Reloaded* will both benefit and suffer from the inevitable comparisons with the original movie. In particular, critics and audience have measured the movie's special effects against the ground-breaking slow-motion kung fu and "bullet time" sequences of the original. The new movie takes advantage of ground-breaking computer technology to integrate live-action choreographed fighting with scenes that are entirely computer-generated, and the results are breathtaking. Computer Science students who claim that they can see the difference between the live-action and computer-generated scenes are making totally bogus statements; the shift is seamless.

The special effects are most excellent in the scene in which Bill and Ted fall down into Hell and encounter Death. After a gripping sequence of battles, including a game of Twister that was entirely computer-rendered, Bill, played by Keanu Reeves, defeats Agent Smith, who collapses in defeat with a final gasp:

"you have sunk my battleship." The skilled choreography and seamless integration of computer animation blew me away in this sequence, and I was amazed when I heard Keanu Reeves once again utter his trademark vacuous "whoa."

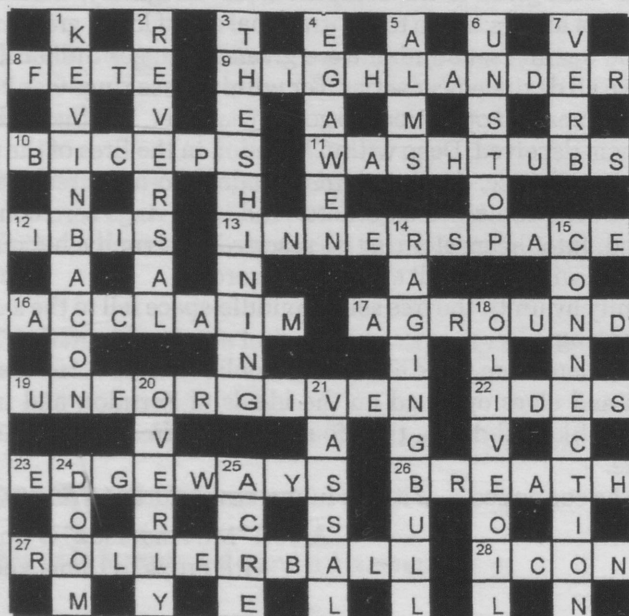
Unfortunately, the special effects and fight scenes in *The Matrix Reloaded* were its best features; the plot left much more to be desired. The movie was peppered with long, drawn-out scenes consisting entirely of talking, which was mostly superfluous and inane. A lot of the dialogue was badly-written, particularly some of the one-liners delivered by Ted (Keanu Reeves.) George Carlin, who played the role of Morpheus, was by far the best actor in the film. His stand-up comedy stood out from the shoddy script, and his impersonation of Laurence Fishburne was radical indeed. In contrast, Agent Smith (played by Elrond from *The Lord of the Rings*), delivered a dry and feeble performance. Unlike the boys' history project, the movie was not saved by the surprise appearance of Ghengis Khan, Napoleon Bonaparte, and Abraham Lincoln at the end. Coupling bad acting with a plot full of more holes than a golf course embedded in a torus, it soon becomes clear that the script for this movie is nothing more than a framework connecting a bunch of fight scenes and eye candy.

In short, *The Matrix Reloaded* is crammed full of totally radical fight scenes and computer effects, but it lacks sorely in the plot department. I haven't actually watched it, but I'm sure everything I've written in this review is more or less true. If I were you, I would skip this movie in favour of one of one of the more promising blockbusters coming out this summer. There are plenty of other good movie franchises releasing sequels in the near future, such as *Spiderman 2*, or *Turner and Hooch 2: Son of Turner and Hooch*.

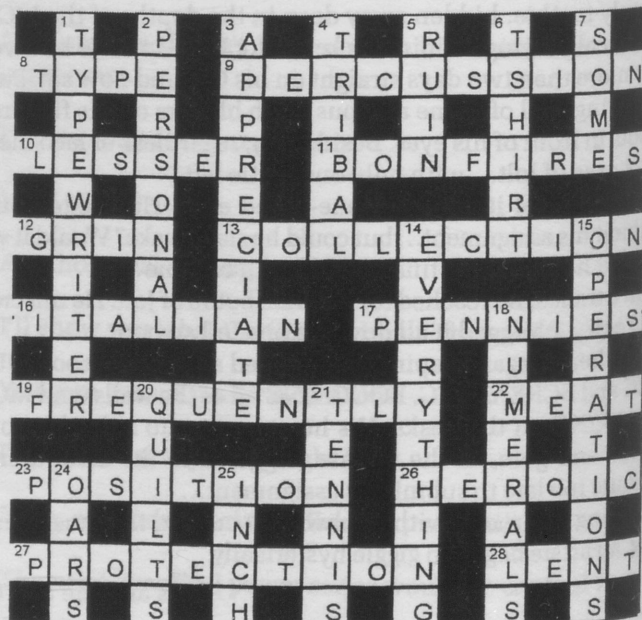
Greg Maloney

Last Issue's Grid Solutions

Cryptic Solutions



Conventional Solutions



mathNEWSquiz

So it would appear that we write long Squizzes. We had a discussion about it, and decided that it just winds up being more fun for you when it's longer. And now, the results from last issue.

Congratulations to Lino 'π' Demasi who won last issue's quiz, with a score of 13 out of a possible 25 points. Congratulations also to Albert, with a score of 6. Lino, you can pick up your prize in the MathSoc office. Now, the answers to last issue's quiz. Words that sound dirty but really aren't: 1) Regina 2) Kumat 3) Titillate 4) Masticate 5) Formicate; Graph Theory: 1) B2-B1-ESC-C2-MC-DC-E3-E2-CPH-DWE-RCH 2) Four 3) Yes; *Undergrads* and *Star Wars*: 1) Alpha-alpha frat house / Mos Eisley spaceport 2) Nitz Walsh / Han Solo 3) Nerfherder comic store employee / Wuher (cantina bartender); Song Lyrics: 1) *Gone Fishin'*, Weezer 2) *Wait*, Sarah McLachlan 3) *Click*, Good Charlotte 4) *All Star*, Smash Mouth.

On to this week's Squiz! Answer the most questions correctly and win a \$5 C&D Gift Certificate!

Classic SNES Villains

Two points per question: identify the villain described, as well as the classic Super Nintendo game in which the villain appears.

1. Planetary parasite which fell from the sky in 65 million B.C.
2. Although he was known as Vega in Japan, you probably know him better as something else.
3. Magicite-collecting imperial general who belongs in a circus.
4. Fire-breathing tortoise with a taste for princesses.

Movie 3-Cycle

Let G be a graph whose vertex set is the set of all movies, and where two vertices are adjacent if and only if they share a common actor. Answer these questions to prove that this graph has a girth of three.

1. It's not like the name "Smith" wasn't already common enough. Identify the actor who plays a sentient computer program that gains the ability to clone itself.
2. The actor from question one also plays a role in the *Lord of the Rings* trilogy. What character does he play?
3. What horror-movie veteran portrays Saruman in *Lord of the Rings*?
4. The actor from question three plays what apprentice of Yoda's in *Attack of the Clones*?
5. What is the name of the character who tries to sell death sticks to Obi-Wan Kenobi, but later decides to go home and rethink his life?
6. The actor who plays the death sticks peddler also plays what character in *The Matrix*?

Hidden Connection

1. James Bond insists that when a martini is prepared, it should *not* be mixed in what manner?
2. What latin phrase, often used to describe an error in logic, translates as "after, therefore because of it?"
3. What is the name of the U.S. law prohibiting the use of military forces for civilian law enforcement?
4. What is the underlying connection between the answers to the three previous questions?

Song Lyrics

Two points per question: one for the song title, one for the artist.

1. Oh the tears will fall
And the tears will fall
You say these tears will wash away
The stains
2. Some of them want to use you
Some of them want to get used by you
Some of them want to abuse you
Some of them want to be abused
3. Between you and me, how happy we'll be
Repeating the cycle permanently
But where will we be when baby makes three?
4. Where once was light
Now darkness falls
Where once was love
Love is no more

Bonus Round

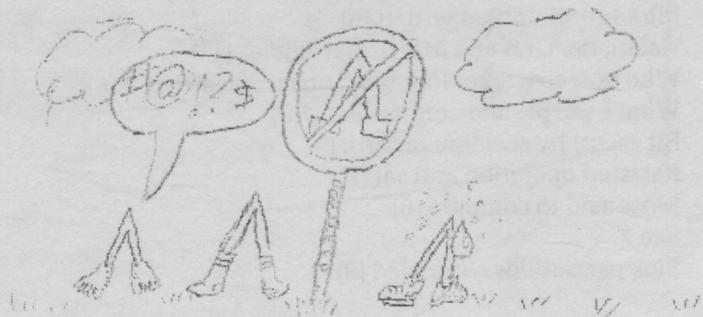
Translate this phrase, identify the song it was used in, and name the composer of that song. Extra special bonus points for naming the singer and group, and where the song was used.

Hikaru mono no subete ga ougen to wa kagiranai

Your Squizmasters Craig and Eric

A Message From The Lambda Advisory Board

Removing lambda productions and lambda transitions is cruel.
Please, think of the lambdas



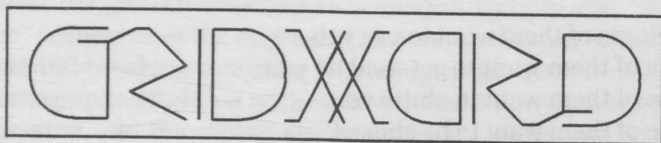
gridCOMMENTS

What an amazing turnout for our first gridword of the term - we had a grand total of 4 submissions... come on people, with this turnout rate, there's essentially a 50/50 chance of winning free C&D food - who doesn't like those odds?...

Our conventional submissions from the last issue were Catherine Hicks / Leander Quiring with 27/28, and Ryan / Jason with 28/28, while on the cryptic side of things, Peggy Wong got 28/28, and the SJU crew got 26/28. That means Ryan / Jason and Peggy Wong are winners of a fabulous gift certificate worth \$5 at the C&D, and can pick up their prizes in the MathSoc Office (MC 3038).

Don't forget to submit your solutions to the BLACK BOX by **Monday, June 9th, at 6:30 pm** for your chance to win - and if you're still hanging around MC then, why not drop by the MathSoc Office for *mathNEWS* production night version 3.0 - free pizza inside!

Krease



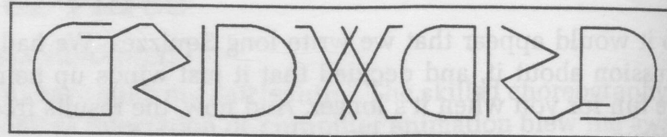
Cryptic Clues

Across

- 1 Do stir nog with chin (7)
- 5 Composing, Dvorak had no right to drink (5)
- 8 Constipated, or just fussy? (4-9)
- 9 One in kitchen duty to catch a nap (3)
- 10 Hip loo oil reworked for the masses (3,6)
- 12 Smells "do" back of us (6)
- 13 One serious behind (6)
- 15 Group policy: shared phone (5,4)
- 16 Carriage trade (3)
- 18 Doctor aims a pan shard at Elizabeth's enemy (7,6)
- 20 Live type of cell source (5)
- 21 Apparel awarded to twin giraffes (7)

Down

- 1 Family kick-starts loud noise (5)
- 2 Pop painter air design is out of keeping (13)
- 3 Approximate direction lorry then turned? (9)
- 4 Idiot twin fumbled with it (6)
- 5 Halen, der Graf and Morrison vehicle (3)
- 6 Who bosses worker following practice material (5,8)
- 7/17 What's purple and commutes? (7,5)
- 11 Bit escort by accident of birth (9)
- 12 Resisted operation and sat (7)
- 14 Moss said to compare (6)
- 17 See 7
- 19 Sick peccadillos concealed (3)



Conventional Clues

Across

- 1 Russian soldier (7)
- 5 Type of pool (5)
- 8 Weakness (13)
- 9 Garland (3)
- 10 Nukes (4,5)
- 12 Hinder (6)
- 13 Beam me up, _____ (6)
- 15 Pictured (9)
- 16 Prompt (3)
- 18 Discovery and endeavour (5,8)
- 20 Glorify (5)
- 21 Do again (7)

Down

- 1 Polite (5)
- 2 Pompous (4-9)
- 3 Great guy (9)
- 4 Polish city (6)
- 5 Runner (3)
- 6 Cryptically (13)
- 7 Epic (7)
- 11 Makes retroactive (9)
- 12 Standstill (7)
- 14 Calculate (6)
- 17 Follow (5)
- 19 Moray (3)

