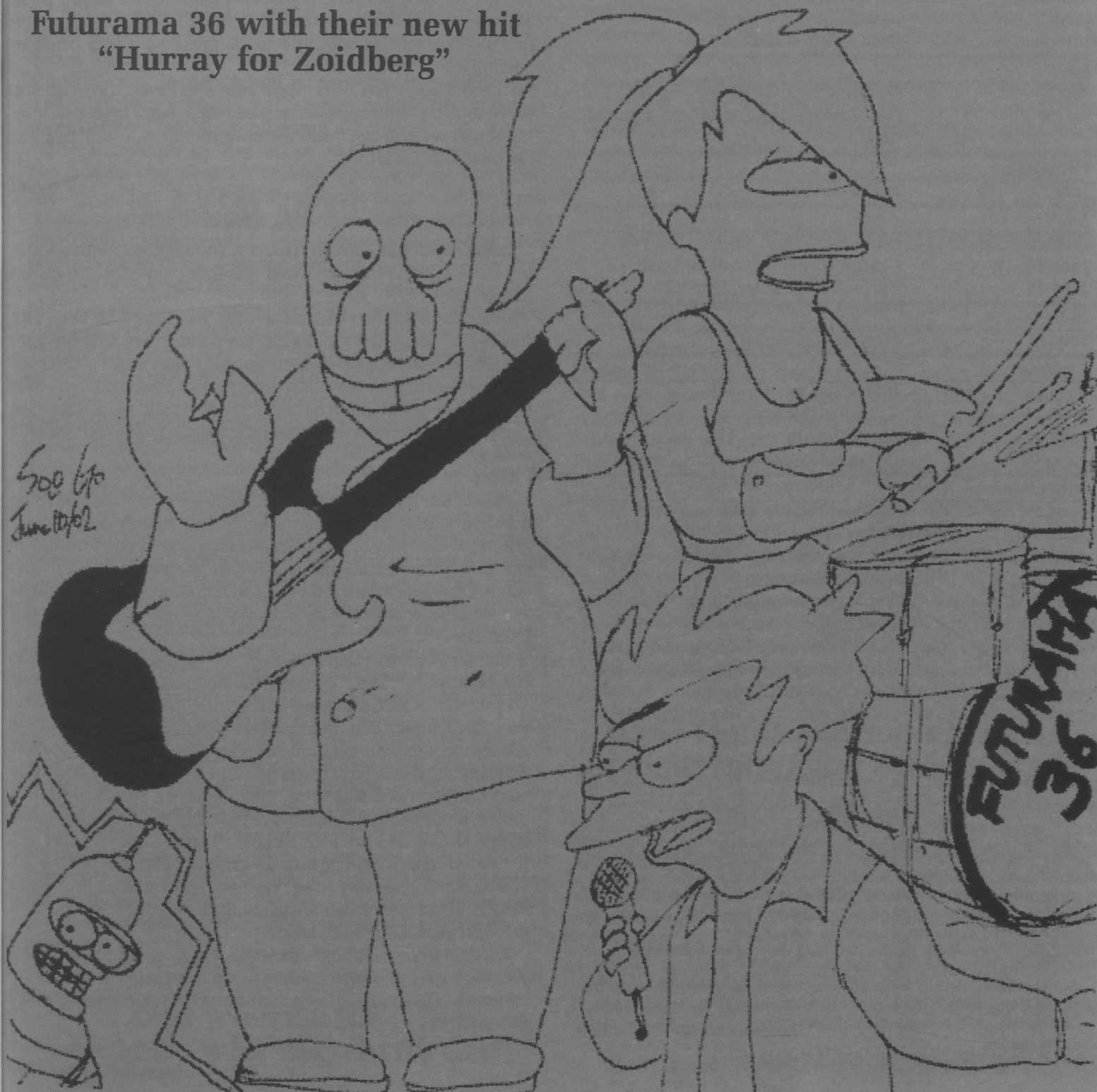


math NEWS

Volume 89, Issue III

Friday, June 14, 2002

Futurama 36 with their new hit
"Hurray for Zoidberg"



lookAHEAD**mathNEWS**

June 14	Issue #3 melts under the summer sun
June 24	Issue #4 Production Night 6:30 pm, MathSoc (MC 3038)
June 28	Issue #4 takes a dive in Columbia Lake

Math Faculty

June 29	Fall Term Course Enrollment
June 24	1B Info Night
June 25	WD Deadline

MathSoc

Thursdays	Movie Night
June 17	Lemonade Day (outside MC)
July 1	Canada Day Celebrations

MEF

July 5	Deadline for funding proposals
July 8	Deadline for funding council nominations

Orientation

July 13	Leader retreat
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MGC

Wednesdays	Pizza opposite C+D
June 14, 17	Grad Portraits taken at Fed Hall
June 15	Spring Convocation [Hurray! — TaxiEd]

PMAMC&OC

July 19	Field Trip to Fields
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Co-op

June 14	Interviews end
June 14	Rankings released
June 17	Agony begins
June 20	Continuous-phase postings begin

Miscellaneous

June 15	Hallmark Cards' sales explode
June 16	Father's Day
June 18	The Day that made Waterloo famous
June 21	Summer Solstice The days are getting shorter (Sob!)
June 23	Production of <i>Biclops</i> begins
June 26	"Better Treatment for Mascots" rally 90% chance of craziness expected
July 1	Canada's 135 th Birthday

Have important dates? Send them and we might put them in.

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Hurray for Albert O'Connor and Bradley T Smith!

Prez Says, VPF Transcribes

Ben is away at the moment but going on what he said before he left and what he has communicated to me telepathically, I (Pounder) am transcribing his teaching.

We've got lots of great stuff planned to help you through the midterm fun. First, on Monday we're planning to give away lemonade. Also, consider volunteering for Canada Day. Also, if you just can't get enough math consider going on the PMAMC&OC field trip to the Fields Institute, on the 19th.

I'd like to thank everyone who came out to Cove Night and to the many volunteers who helped to make it a success.

Do you like getting 5 cent copies and borrowing exams? Do you use the office to borrow games or use the computers? Is the office ever closed when you want to use it? We need more office workers to help keep the office open, so please consider signing up.

Finally, I leave you with my words of wisdom: "Do or do not, there is no try," "An appeaser is one who feeds a crocodile hoping it will eat him last," and most importantly, "Good, bad, I'm the one with the gun."

Pounder

VPA Sez

I can't stress this enough: Freezies should come with a warning label. One wrong move and it'll scar your nice white shirt for life.

Welcome to another edition of VPA Sez, with your host, VPA Raymond. Today, boys and girls, we'll learn how to share your knowledge with impressionable young people while getting free stuff along the way. We'll also learn how to suck up to a really cool prof by making him or her ... really cool ... with a metallic engraved plate on a wooden plaque. But first, let's start off with a song!

Okay, let's not.

First of all, we're looking for volunteers who would be interested in sitting on the Instructor of the Year Award (forever known as the lotya ... hmmm, sounds Greek) committee. You get to decide which application gets accepted, rejected, and eaten. Okay, not eaten, but you'll be fed. Come see me, or email vpa@mathsoc.uwaterloo.ca if you would like to sit on this committee.

Second of all, we all like pizza don't we? Don't you want to be free on June 24th, 2002, between the hours of 4:30 to 5:30? Well, how about twisting, I mean filling, the minds of frosh about your chosen path of enlightenment (your academic plan) in an attempt to join your dark side of the MC. If you're in Actuarial Science, Applied Math, Math/Biz, C&O, CS, Mathematical Sciences, Operations Research, PM, Stats, or Teaching Option (Sorry, no undeclared please. We're trying to declare the undeclared to declared their undeclared. Clear?), please come out. A list of times and spots available will be posted at: amadaeus.home.dhs.org. First come, first serve. YOU GET PIZZA! If you stay long enough, you can write for *mathNEWS* too, and get MORE free pizza!

That's it from your host this week. Catch us next week when we teach you to create a supercomputer that will run 14 instances of Daikatana using nothing but three shoestrings and a paper clip!

Raymond Lai
MathSoc VPA, S2002

World Cup Update (or so it seems ...)

The group stage of the World Cup is over. 16 teams have survived just to face elimination from here on end, while the other 16 are heading home. Some get favourable calls, while others get the shaft (just look at the Italy-Croatia game). The football being played in the Far East has been mainly great in the first 2 weeks of the competition, with more exciting matches to come in the coming 2 weeks. In order to give you readers a better coverage of the event, *mathNEWS* has sent a massive reporting team of one to the Far East.

Due to budget limitations, our reporter, Mark McDermot, was not provided a plane ticket. He left the comfortable confines of his office, MC 7056, in April and hitchhiked his way to Vancouver. There he sneaked onto a ship headed to Korea. He hid himself in the supply room and fed himself whenever he needed food. His exercise consisted of crawling in the air ducts (when-ever a crew got into the supply room).

After an arduous journey on the ship, Mark landed in Korea, two months after he left Waterloo. Upon landing, Mark realized that he lost the Official Press Badge that *mathNEWS* provided him (*mathNEWS* blew this term's budget on bidding for the right to be in the press gallery). Weary and badge-less, Mark set out to begin doing what we sent him to do.

Denied access into the stadium, Mark decided to interview the players as they got on or off the bus. However, all his interview requests were denied, and the coaches shoved him. Disappointed by the player's reaction, he went to interview the fans attending the games. There he realized that many fans did not obtain tickets from the computer system. The fans told Mark that when they went to claim the tickets that they already paid for, the computer system that runs the ticket-issuing system did not recognize them. To find the the root cause of the problem, Mark set out to undertake an investigation.

He spent days interviewing fans and other members of the media and found that, according to FIFA, the ticketing system was a British-made product. However, Mark was skeptical about it and went further in his investigation. He conversed with locals and they led him to a business building. There he found the source of the ticket backlogs. It turned out that the British-made software was running an algorithm that PeopleSoft (the proud maker of QUEST) made. Upon further review, Mark found that the FIFA software and QUEST are essentially the same application. Employing his quick wits and a few people that he met in an Internet cafe hours earlier, Mark successfully removed QUEST from the ticketing program and installed a bug-free system in place of it. Now people can actually obtain their tickets.

After vanquishing his foe, Mark plans to travel around the country and see what it has to offer. He also told *mathNEWS* that he will try to do what we sent him to do and sneak into a few games. How does he get back to Waterloo? He can take care of that when the World Cup's over. After all, he got there with practically nothing (and we have no money to pay for his trip home).

Jason "the Screamer" Lau

**10 cent freezies for Office
Workers, why aren't you one?**

Professor Zoidberg Under Review

UW Biology professor, Dr. Zoidberg, will go under committee review regarding his behaviour of late. First on the agenda is the discussion of his sexual harassment. Several complaints of pinching have been reported the Dean by male and female students. "What? You want I shouldn't shake hands and buttocks with my students?" he defended.

Also, there is the issue of his tab at the science C+D. Not to mention the number of experiments ruined by his gluttony.

But the primary goal of the review is to discuss what Dr. Zoidberg is and why he's teaching at Waterloo. "I don't recall hiring him," said the Dean, "Nor do I recall having either an 'Omicron-Persii 8 Anatomy' or 'Seafood Buffet Analysis' course offered. There's something fishy about this guy. Wait no, that was unintended. There's something not quite right about him."

When reached for comment about his courses and the upcoming review, Zoidberg replied with, "They want to review my work you say? Hurray for Zoidberg! Finally some appreciation for all I do here!" He then devoured an oscilloscope.

Bradley Tron Smith

Beef, It's What Should Be for Dinner!

That's right, beef. Corn beef, roast beef, torn beef, toast'n'beef. Cheezy Dr Seuss ripoffs aside, it's about time we all sat down and paid homage to that staple of the "Steak, Beer, and Corn-flakes" diet, cow-meat. Beef is not only a rich source of protein, but unprocessed beef, live cows if you will, are one of the worlds largest sources of methane. A world without methane is not one you'd see me living in that's for sure. "Now what does beef have to do with your average 'still in res' university student?" you ask. "Absolutely everything," I'd reply. Beef can be prepared on your classical meat searing devices such as barbeques and George Forman grills, but nothing shows off you playful charm like an impromptu feast cooked on a grilled cheese sandwich maker or the underside of an electric kettle or a sunny windowsill. You'd be a smash with all the ladies; Satisfaction guaranteed*! Not only is beef in plentiful supply — cow parts can be found in such common items as soap, old tires, and the residue left on an empty box of McDonalds french fries — it comes in almost countless varieties. By not so deftly changing subject back to cows, one can see that almost every part of the cow can be turned into a healthy, tasty, beef product. High class muscle and fat combinations can be sold at expensive delicatessens, gross inner organs like liver and tongue can be tossed to the French, cheap cuts that are mostly bone can be served at residence cafeterias, chin, lips, and forehead can be made in to hotdog wieners, and the rest can be ground up and masked in spaghetti sauce. Did I forget anything? Oh yes! Those Albertans sure love their bull, uhh, jewels. There's someone banging at my door and it seems I've managed to bash enough institutions in this article so I shall bid you all adieu. I hope that the next time you see a cow at pasture, you spare it the discomfort of being slaughtered and eat it on the spot.

*guarantee will not be honoured, satisfaction may vary, consult your local beef expert

Tim "My Horseradish! Nooooo!" Haloun

The Frosh Cornered

New Courses for 2002-2003

A few weeks ago the administration released the 2002-2003 undergraduate calendar. After having a look at this rather large document, I noticed there were several new and exciting courses available to UW students starting in the Fall. I've listed them here, I hope everyone finds one they like for their next elective.

ACC 205: ENRON Accepted Accounting Principles

INSERT YOUR OWN ENRON JOKE HERE

Anti-req: ECON 369

ARTS 130: Defence Against Academic Ridicule

Designed to help Artsies cope with bullying on the part of people in other faculties, this course will help Arts students form arguments to support their program. Topics covered include "But we do more reading," "It takes a different type of smart," "I'm a right brain thinker," and "At least we got chicks."

CS 133.5: Computer Science Limbo

This course is for students who will find CS 132 too easy, but just are not quite ready for CS 134.

ECON 369: Shady Business Practice

Learn how to make money the underhanded way through insider trading and other such "illegal" practises. Also learn to cheat on taxes and how political contributions can make things all better. Will be required for Math/Bus students starting in Fall of 2003.

Anti-req: ACC 205

ENGL 427: Writing For Imprint

This course consists of topics such as writing things nobody reads, being controversial for the sake of reactions, and "Proud to be a globe-a-phobe."

Pre-requisite: Grade 7 English

Anti-requisite: Gooney stuff between your ears; any kind of journalistic experience

Fine 227: Just Naked People

Rather than pretend to be in a painting class to see naked people for credit, this course takes out the painting aspect of fine art, and just allows you to sit and stare at naked people for 3 hours a week for a credit.

MS 107: Intro To Men's Studies

The newly formed "Men's Studies" option begins with this course first offered in Winter 2003. This course is mostly a survey course in the field of Men's Studies. Topics covered include Baywatch, drinking, and "Flatulence 'n' Orgasms."

Note: This course is open to people of any gender; however, non-males may only audit the course.

MTHEL 157: Understanding Your Degree Requirements

This course is to help students actually understand their degree requirements. It is hoped that students will actually understand their program's degree requirements by the end of this course. Topics include MATH 237 versus 239, teaching option, and General vs. Honours degree.

MTHEL 204: Life Outside The MC

A course designed for first year mathies, MTHEL 204 will explore how people live outside of the MC Building. Topics will include "The Bombshelter," "Life as an Artsie," and "Surgical Removal from the Real-time Lab." It will be taught in AL 101.

MUSIC 359: Advanced Porn Music Creation

This music course is a practical course which will explore the soundtracks of neo-classical, modern, and post-modern adult movies. Heavy attention will be paid to 70's bass lines.

Recommended: SMF 204L

PMATH 3²⁰ + 3i: Insane Mathematical Analysis

Just looking at the course code you can see how only the purest of Pure Mathies with a complete devotion to math will wish to attempt this course. The sole purpose of this class is to find the best of the best of the best Mathies. This course is 100% exam with 20 required assignments. Successful completion of this course with a grade higher than 55% will result in the conferring of a Masters degree in Pure Math.

PSCI 666: World Domination

A new graduate level course in political science will show students realistic ways they can build empires that can span the globe. Topics covered include "Doomsday Devices," "Successful Coup Attempts," "Maniacal Laughing," and "Control of World Commodities."

Note: British secret service agents are not eligible to take this course.

REC 603: Mechanics Of The Swing Set

REC 603 is a graduate level Rec & Leisure course, which will explore the theory behind the swing set. Distribution of weight, maximum size, and placing in a park will all be covered in this course.

Note: given the difficulty of this course with regards to other graduate level REC classes, it is recommended this course be taken on its own.

SMF 204L: Lab Component For Introduction To Human Sexuality

This optional lab component compliments theory learned in SMF 204. Lab participants will be placed in pairs for most lab exercises.

Note: There is currently a waiting list for this course, the next openings will be for fall term 2012.

WS 237: Women in Math, Science, and Technology

This women's studies course explores the drive of women who did not base their career decision after seeing too much of "Ally McBeal" or "Legally Blonde."

Cross listed as ActSci 237, ChE 237, Chem 237

Ian W. MacKinnon
The Cornered Frosh

10 OS Marriage Mistakes

In Life, Love, and OS, you may think you're supposed to always focus on the positive instead of the negative. However, always keep in mind that your OS partner (read spouse) can (and if you are unlucky, will) have a negative contribution to your group. However, the negative group member could just be YOU. So, here are some OS Marriage Mistakes that could make you a negative partner. Avoid them!

1. Talking "at" instead of "with" your mate.

Let his or her body language be your guide. If your mate gives you the finger when you suggest they implement the buddy system, maybe it's because you suck ass and haven't implemented anything yet.

2. Tuning out — instead of tuning in — to what your mate is saying

When your mind begins to wander at 5:00 am the morning the assignment is due, you should remember what your partner is saying is important to him or her (even if it is "Oh my god, it still crashes, I'm gonna kill you!" — in which case, run).

3. Forgetting to thank your mate

Not thanking your spouse for being considerate and useful can make them feel unappreciated. So the next time your mate codes up the clock algorithm for process switching, nod your head and buy them a beer, some pizza, and a Twinkie (Mmmmm ... Twinkie).

4. Getting defensive instead of saying, "I'm sorry."

When you mess up, or get hammered the night before an assignment is due, the sooner you sincerely say "I'm sorry," the sooner your mate can stop feeling like they want to kick the living shit out of you.

5. Always saying "I'm sorry," yet never changing

An apology buys you another chance. However, if you keep making the same mistakes, and skipping group meetings to get hammered, and all your apologies are empty, your mate will get very upset (consider moving meetings to the Bomber).

6. Being repeatedly late

Frequently keeping your partner waiting is not only inconsiderate, it's arrogant. Unless you show up with the traditional 6 pack or a box of Twinkies, you're gonna be in the dog house (and coding the context switch).

7. Playing the victim

This behaviour only accuses your spouse of hurting you. You may have to write the file system's access control, but your mate is writing the shared frames feature. They are a victim as much as you are.

8. Jumping to Conclusions

Presuming that you know what your partner feels (and why) without first getting all the facts is only going to push him away (unless the code doesn't compile and they start swearing and throwing Twinkies at the console — then you can guess what is wrong and why pretty safely).

9. Badmouthing your spouse behind his or her back

This not only adds to the list of secrets you keep from your mate, but also tells others how little you respect your partners. If you want to bad talk them, wait until after the term, and then lay it on thick ... "We failed OS because my partners didn't do jack shit ... they just drank beer and went to the Bomber every night."

10. Thinking that checking in code once is enough

If you only occasionally check in code, your partners will have no idea what you are up to (lack of communication), and your project will more than likely break when you finally do check it in. This will just aggravate them and make them throw Twinkies at the console and/or you.

Pete Love

Futurama

The Final Season

Fans of the television series Futurama are doubtlessly aware of the good news/bad news scenario surrounding its future. While the series has been cancelled, new episodes will continue to air next season from a stockpile of shows that were unaired due to various sporting events running long.

Thanks to my vast network of underground contacts, I have obtained descriptions of all the episodes to air next season. Below I have listed only the highlights of things to come:

Bend Out Of Shape — Convinced he is dying of a virus, Bender donates his body to Computer Science. Hilarity ensues when he discovers that he is fine ... but the university still intends to collect.

Phillip J. Fry's Day Off — When the Planet Express crew goes on strike, Fry teaches everybody the true meaning of Labour Day.

Jump That Shark! — To save the Earth from total destruction, Zoidberg is forced to jump over an Omicronian Lobster Shark on a motorcycle. Disaster is avoided when Zoidberg convinces the shark to let him live.

Hog Wild — Under attack from mutant groundhogs, Fry teaches everybody the true meaning of Groundhog Day.

Attack of the Clams — Zoidberg is elected Queen of Naboo. His policies turn the planet into a paradise, and he falls in love with a lightsabre-wielding crustacean. He is removed from power when he asks how somebody can elect a queen.

Holidaze — Fry teaches everybody the true meaning of Love Day, then discovers that no such holiday exists.

Finale — In the final episode we discover that the entire series is the figment of Bob Newheart's imagination, who is the figment of Matt Groening's imagination, who is the figment of Zoidberg's imagination brought on by a bad anchovy pizza.

Other things to watch out for next season include the addition of a wisecracking leprechaun to the cast, an episode filled with clips of past episodes, an episode filled with clips of future episodes, and Fry teaching everybody the true meaning of Christmas ... again.

Dan Woodley

profQUOTES

"If I pull this down, it tends to jiggle."

Clarke, CS 342

"So what I'm gonna do is to P in ... er ... execute P on ... [class laughs] ... I better not see that in *profQUOTES*"

Clarke, CS 342

"I think I'm getting senile."

Hoffman, PMATH 330

[Referring to a piece of thick yellow chalk] "It looks like a ... uh ... phallic symbol ..."

Hoffman, PMATH 330

"Jon Lee: He's not Chinese and he's not Korean, so by elimination, he must be Scottish."

Cheung, !(BUS 121) C&O 350

"I had the pleasure of meeting Dantzig once. He's very nice ... I don't know why, but everyone in optimization is very nice."

Cheung, C&O 350

"C++ allows otherwise unrelated classes to share their private parts via a mechanism called friendship. In general, you should feel guilty about friendships and shun them."

Mavaddat, CS 246

"I'm not looking at all the partial sums, I'm only looking at the evil ones." [He meant even ones]

Sivaloganathan, MATH 138

"Just make sure I do it right, I make lots of mistakes."

New, MATH 136

"Well, I'm bored. I don't know about you."

Lam, MATH 136

"In the past few years, there seems to be a trend of students dropping this course."

Cuenca, ECON 201

"If you're here, you've out competed many other people. That is, you're here and not in Windsor."

Lau, ECON 101

"Where was I? Oh yeah, I was doing marijuana."

Ennis, PSYCH 101

"Humans have been trained to distinguish different rats by their smell."

Ennis, PSYCH 101

Mary's Lemma

Mary learned a little lemma
Proof as long as 'Frosh Cornered'
Mary couldn't understand
Even though she was a nerd

The lemma spawned a page long Th^m
Which was as clear as mud
The lemma wouldn't go away
So Mary shouted "Crud!"

Indian Guy at Punk Concert not from SUM 41

At the Green Day and Blink One Hundred Eighty-Two concert last week, an east Indian gentleman was mistaken for Brown Sound of the popular "neo-punk" quartet known as Sum Forty-One.

While reporting for *mathNEWS* from the line-up, I overheard the identifying of said gentleman from a youth behind me. "Hey look over there, that brown guy, I think it's Sum Forty-One!" he exclaimed. Not anxious to demonstrate that I had been eavesdropping, I waited a few seconds before examining the suspected Sum Forty-One, whose name comes from the question, *What is thirty-two plus nine?*

Sure enough, on the balcony was a "brown guy." He was holding cables for the camera that was videotaping George Storumobolopolos interviewing Green Day.

Green Day, whose name comes from a sign reading "Thursday is Soylent Green Day" in the movie *Soylent Green*, actually isn't Sum Forty-One.

The incorrect youth failed to recognise Green Day and remained steadfast in his belief that Sum Forty-One was attending the punky show. It should be noted that he was wearing a Blink One Hundred Eighty-Two T-shirt, which name comes from the general shape the shirt makes when laid out flat.

In a related story, Sum Forty-One front man Bizzy D, who is touring with Jane's Addiction and Foo Fighters, whose names come from the addiction of a girl named Jane and the fighting of foo (aliens who attacked WWII fighter planes), was mistaken for Waterloo graduate Mark Schaan.

Doctor Zoidberg, frontman for the punk band Futurama 36, was unavailable for comment.

Bradley Tre Smith

Acronym*Acronyms that are Waterloo organizations*

SAC — Student Advisors to CO-OP. An organization that once handled input to CO-OP from students, good or bad. I wonder what they got more often?

FOC — Feds Orientation Committee. One of the funniest acronyms around due to its prominence and sheer hilarity. Created by the less funny PACO.

SPLEF — Student Project Life Endowment Fund. Normally referred to as SLEF (Student Life Endowment Fund). A fund that gives out money to various student life projects.

Acronyms not accepted as Waterloo organizations

Deregulation University Management Board — For some reason this board, designed to look at the issues around deregulation, wasn't approved.

Student Union's Campus Kops — Long ago the Student Union was going to make its own police force to keep their eye on the faculty and staff. The idea just didn't fly.

Cost-effective Liberal Information Technology and Operating Requirements Infrastructure Standards — This was going to be a report put together by Waterloo Computer Science professors and Laurier business faculty but the idea was suddenly dropped.

A.L.B.E.R.T.

New Proof Method Found!

Introductions All Around

Early this week, a startling breakthrough was made in the halls of the UW Mathematics and Computers building. A few brave Math students, tired of constantly having to apply over-used proof methods such as induction, contradiction, and contrapositive, rediscovered an ancient forgotten technique for proving mathematical theorems, lemmas, and anything else a UW Math prof can throw at you. "What is this marvelous technique?" you're wondering absently in class as you learn all about PDEs, PDAs, and the FDA. The answer's simple: proof by introduction.

The History of Introduction

Proof by introduction is actually an ancient Egyptian proving method used by such luminary ancient Egyptian mathematicians like Eye Snake Vulture Waves and Sphinx Waves Hand Foot. Sadly much Egyptian math was co-opted by the Greeks. The most famous example of Greeks stealing credit for famous ideas was when the Pyramid Don't Fall Down Theorem was renamed to the Pythagorean Theorem.

Introductory proofs were first introduced by the great thinker Ankh Bird Eye during his studies at Giza. Later ABE (as he was known to his friends) spread introductory proofs to large sections of Egypt, all the way to the Library of Alexandria. Sadly, after the burning of the library no written version of the proof method was believed to still exist. Introduction proofs were still in use until Greeks, being decidedly un-introductory people, eliminated its use when they took over math.

Re-Introduction

Introductory proofs were believed to be myth, until 3rd year AM major Sven Galli rediscovered them accidentally. Galli was sleeping peacefully in his Stat 231 class when he was contacted from the netherworlds by ABE. "Introduction must make a comeback!" ABE said. Galli, after spending a few hours convincing people that Stats hadn't permanently fried his brain, was hailed as a genius. "Sven Galli, genius," he was heard muttering. "Sven Galli, su-per gen-i-us. I like the sound of that." Sadly, Galli was then hit by a train.

So You Want to Introduce?

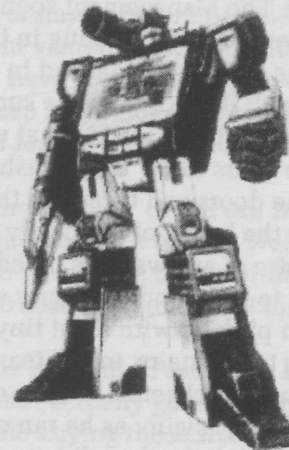
You may be wondering: "How do I introduce?" Introduction proofs are much easier than other proofs, however they take much more advance planning to succeed. Let's do a simple introductory proof, so that you can follow along and see how it's done. Let's prove that 2 is even. The first step is to buy some punch. Punch is key. Berry punch is good, fruit punch is better. Now make sure you invite both 2 and even to come over to your house. Maybe you want to invite some other folks over too, so they don't feel pressured. After your party gets cooking, slowly manoeuvre 2 over towards even. Start up some small talk with even while keeping eye contact with 2. Hopefully, one of the two will ask who the other is. If so, jackpot! Introduce them and the proof is over. Make sure you videotape the event in case one of them forgets the introduction due to binge drinking.

Now that introduction is back, make sure you use it often. It'll certainly introduce you to new marks on your assignments.

bob the first

Mature Transformers

Real or Fake?



Transforms
into



- Erector
- Steeljaw
- Big Load Shot
- Humpatron
- Bristleback
- Flatulator
- Polesmoker
- Gusher
- Sinnertwin
- Chaff
- Ultra Fallis
- Ejact
- Orgasmus Prime
- Rod' Prime
- Blackshaft
- Huffer
- Sawfuck
- Sunstreaker
- Goldspray
- Wheeljack
- Ironhide
- Beastbox
- Starscream
- Fellator
- iSodomizer
- Clitron
- Hotboxer
- Greaser
- Slag
- Sludge
- Sperm
- Swoop
- The Infecticons (including Crabz and Chlamyditron)
- The Pornobots (including Fluff, Penetrator, and Moneyshot)
- The Offendicons (including Lizzakron and Linobot)
- Cocktitassbot

That's right, some of these guys are actual Transformers. Point them out and impress your friends.

What's the Deal?

What's the deal with those new Max 3 shavers? More specifically, what's the deal with the commercials? If you've noticed them then you've also noticed that they're shown hundreds of times a day. Where did they get all this money? Is the shaver business really that good? Men alone can't be buying that many shavers, there isn't even anything in the commercial to make you want it. Come on now, that short space sequence of flying into the launch hull of the ship can't be that exciting. Are we so bored in the mornings that we think of our shavers as space ships? Or are people using them to shave their pets? Do you walk through the aisles of the store and go, hmmm ... that Max 3 has a gel patch, I sure don't want to accidentally cut myself shaving, maybe this gel patch will help ... know what buddy? TRY SOME FOAM, or even better, hot foam. Come one ... what's the deal?

What's the deal with my name?

'Twas the Night Before Classes

'Twas the night before classes and all through MC,
many people were stirring, especially me.
Some students were waiting in the Comfy with care,
In hopes that The Management soon would be there.
The others were nestled all snug in their beds,
While visions of integrals danced in their heads;
When on the 6th floor there arose such a clatter,
I sprang from the CHIP to see what was the matter.
Away up the stairs I flew like a flash,
Tore open the doors and threw up the sash.
The light on the breast of the newly waxed floor
Gave the lustre of arrows once taped there before,
When, what to my wondering eyes should appear,
But an olden pink tie with eight tiny reindeer.
They sprang to the stairs, to our team gave a whistle,
And away they all cheered like the down of a thistle.
But I heard him exclaim, as he ran out of sight,
We've got the pink tie, they didn't put up a fight.

On May 26th, a group of 14 people got together and played Midnight Capture the Flag. The evening began with a quick introduction as to the origin of midnight Capture the Flag in the MC then quickly flowed into the start of the first game. The teams were spread out over the area with the teams switching after the games. The rules were simple [*The rules are never simple — Managed*]: get the flag before the other team could get yours. The end-result for all that were there, was a good times was had, and too all those who weren't, you don't know what you missed. But not all is lost, for the wise gurus who decided to run the event have decided to repeat it [*Watch the skies for when — Managed*]. My advice is to go, run around, and have a good time because classes start only eight and a half hours after it begins.

Hope to see you all there.

Follower, edited by The Management

Job Hazards

back to work

Has this ever happened to you: You're at work, you roll out of bed and start the day. Check the e-mail, open up some files. Ready to go. Hmmmm, perhaps I should shower. Get into your bath robe, grab your bath stuff. Have a shower. It is all good. Then hazard strikes.

You return to your office door to discover that it is in fact locked. There you are in the hallway wearing a bath robe and a towel on your shoulder and no key to your office anywhere around. I had to go upstairs to a different department and ask people I didn't even know to use their phone while wearing a bath robe. Of course I had to phone the only "custodian" available to come on the 15 minute journey just to get back into my office to complete a day's work. So obviously, I watch a cartoon. Another hard day at work.

Albert "Often Phat" O'Connor

**To the parents of the graduates:
Don't look at page 7**

The Mathematics of ...

Settlers is a widely played game around the Comfy lounge of MC. However, has it ever been analyzed for mathematical content?

Firstly, we can identify that it is appropriate for the Waterloo atmosphere, considering that Kitchener used to be called New Berlin, Waterloo is named for a battle that Napoleon wouldn't have lost if not for the Germans, K/W deals regularly with the German Menonite sect, and has a large German community. [*Biggest OktoberFest outside of Germany, baby! — TaxiEd*] Therefore the fact that University of Waterloo students play this German-created game is highly appropriate. (It was originally published in Germany by Franckh-Kosmos Verlags-GmbH & Co. as Die Siedler von Catan).

As a quick side note, a review was put up by a MATHEMATICS student at Dalhousie University, as well as a MATHEMATICS student at St. Olaf University (wherever that is) has initiated a Settlers of Catan game night. (These examples imply that math students across the country appreciate Settlers).

There are odds involved, which may be mathematically determined via various Stats courses (which, I've so recently found out are a required component for math students at UW). Therefore, one could almost say that Settlers is good practice for the required stats course.

The original designer of Settlers of Catan, Klaus Teuber, found that much of his ideas on one of his previous games (Barbarossa), was based primarily on a book, that was based on riddles. In other words, the guy who created Settlers would've loved C&O.

As well, according to one extremely professional and important web page, that seemed to detail the life and times of Klaus Teuber, there is a mentioning of the "mathematischen Berechnungen." Then again, there is also a random comment about "wunderbar" and "roman geese" (great page: all in German — means nothing to me, although I must admit that Roman geese are partial to blue grass music on a hot summer day, drinking ice-cold lemonade).

So the what does this all mean? The next time you hear "Could I trade you a sheep for that ore?" or "Wood! I need wood!" coming from the Comfy, don't be alarmed. Either there is a game of Settlers going on or there is a game of Settlers going on that is seriously distracting the great mathematical minds who are attempting to study quietly in the Comfy or the great mathematical minds have been thoroughly suckered into playing Settlers, and are "preparing" for finals.

The sleep-deprived Mathematics of Writer (MOW)

The Tale of Two Dragons, Epilogue

It has been four years since the events that changed the course of history. I still occasionally feel the urge to pick up my Daikatana and finish things for good, but there's always a tiny voice in the back of my head that gets the better of me. Besides, just knowing that it is still out there provides more than enough motivation for me and the rest of my kind, if only to remind us that we exist not only for ourselves, but for all who come after us. Still, as I gaze upwards at the night, I wonder how different it all could have been if I hadn't lost my hand all those years ago.

Tim "Tenderloin" Haloun

That'll Put Marzipan In Your Pie-Plane Bingo!

How math is like an episode of Buffy

Into each generation a Slayer is born. One girl in all the world, a Chosen One. One born with the strength and skill to fight the vampires, to stop the spread of their evil and the swell of their numbers.

I know what you're thinking. That's awfully similar to what my life is like here in the Math Faculty of Waterloo! I mean, the mythos of this show completely reflects our lives as ... um ... theorem slayers!

Much like the lovely Sarah Michelle Gellar is able to dust vamps by the usual techniques of beheading, holy water, crosses, garlic, and the classic staking, we study theorem-busting techniques like contrapositive, contradiction, and induction.

And clearly we are to stop the evil and swell of numbers. Since high school we have been struggling to replace those evil numbers with variables. Can you remember the last time a number was written in one of your classes?

Computing With Things ...

Ok, we all know that we can compute with computers, but what about other things. I will attempt to identify other things that we can compute with. Let's start out with something basic ... children ... ok, computing with Children.

Computing with children is rather easy. Kids (children more specifically) will follow simple instructions for the nominal fee of a cookie. The instructions can't be too complicated but they can produce a complex result.

Take for instance on how to make a simple AND gate. You get one kid to hold two cookies then you tell two other kids to run up to it and grab the cookies. When the kid starts crying the AND gate is active. At this point the AND gate goes running off to find another cookie. You'll want to space your kids out so that you don't get gates running to two equidistant cookie gates and grabbing the cookies. This is the realm of quantum kid computing (not really since the kid really doesn't travel both paths at the same time, but it is a randomized function, although the kid will usually pick on the smaller of the two gates). An OR gate is simpler: 1 cookie.

At this point we move into a more complex gate: NAND. How do you make a NAND gate? Simple ... give the kid no cookies, it'll wail like a banshee when it see others kids getting cookies and when an activating kid gets there with a cookie, it'll feel so sorry for the NAND gate that it'll give the NAND gate a cookie.

Now, you'll want to use either all males or females here since mixing the two can result in the transmission of cookies and send your child circuit crazy.

And to finish off our basic gates: NOR, give the kid one cookie. By mixing and matching these gates you can perform really swell computations. The only problem you may encounter is that you need to have the starting trigger child wearing a backpack full of cookies.

Runtimes: $O(2^n)$... children get tired ... and bored ... and full of cookies pretty quickly.

Next time on Computing with things: Computing with Rumours.

Tushar

waaaaaaaaaaaaahhhh ... I want a cookie ...

Don't forget Buffy's [Wow! Those Buffys really lined up nicely! Wait, is it Buffys or Buffies? — TaxiEd] watcher, Rupert Giles, who teaches her the ways of slayers before her. He describes to her ways of beating ancient vampires like Angelus or William the Bloody. Much like we have professors who teach us about ancients buried six feet deep like Euler and Descartes.

Ah, if only I had a dollar for every time one of my profs said, "Good show, Rupert!"

I mean just last week when I said, "Come on, now! It's telly time! *Passions* is on! Timmy's down a bloody well, and if you make me miss it, I'll ..." to which one of my profs responded, "You'll do what? Lick me to death?" Right there! Lines out of an episode!

Ummm ... okay, I concede that it didn't actually happen. And Sarah Michelle Gellar doesn't actually go to Waterloo. And we actually have a lot of trouble slaying these wretched theorems.

So in conclusion, life as a math student really is nothing like Buffy. Which wasn't quite the conclusion I was aiming for. I'll stop wasting your valuable time now.

Justin Ng

Time

I think it is rankings season, I don't really know since I am working right now. So it is a good time to warn all ye little froshies, who have already had a work term, humm, we shall ignore that for now. Anyway, on to the point of the generally pointless rant. Frosh, or any other co-op, I am now warning you: DON'T GET A JOB IN WATERLOO, or at least not on campus. Why? You may ask why, since I will answer that. I'm sure you all think that since you have so, so much time on your hands while on a school term (it must be because you don't do your assignments) that being on campus for a work term would be the greatest thing on earth, you can see all those people who you don't remember from 1A, and you can still do all those fun things you do while you are supposed to be doing your assignments, shit/stuff like stage band, csc. Hell, I bet if you stay on campus you can find more stuff to do, maybe like SEDS. Ok, I haven't made much sense (who reads *mathNEWS* to find something that makes sense?), but the cool thing about having a job on campus is finding out how all the building connect together. WTF does that mean? Well, to start with, you will walk to the first floor of MC until you reach the south-east means wash-room. To your left will be a set of double doors, one with a door knob, turn that knob and you are now in Chemistry. Now, that I am done rambling, I believe a challenge is in order. Anyone who can get from the MathSoc office to the arts buildings without seeing the light of day, no, new rule, without going outside and harass the *mathNEWS* editors with pictures, will get something, probably in trouble though.

Jim Morrison

For those of you confused by the preceding paragraph, it was meant to show you that getting a job in Waterloo will suck all your hard earned time and money away from you, but having a lot of people to drink with, no time to drink with those people because you work, and may try do to what lazy non-working people do.

Zoidberg, Seafood Pretzels, and Band Names

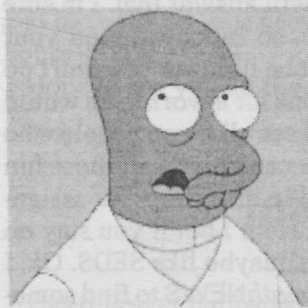
So, hello, how are you? Zoidberg here, writing a verily special article for *mathNEWS*. Perhaps you'd like to hear about the band you can see rocking in on the cover maybe? Well, let me tell you about them, if I may.

Three years ago we get this letter from four Germans who want to start a band using my name. Imagine the honour! To have Germans love you! I'm like the Hasselhoff or a sausage, I am! So yes, they must be allowed to use the name Zoidberg, but only under one condition: Snacks.

I figure, who wants the royalties when I could be fed instead? They made several tasty offers, which included black forest cakes, pretzels, and a sausage, but where's the delicious flavour of brine? The robot suggested I just get them to use so anchovies and prawns to enhance their treats (also he wanted me to bite his behind, but I didn't like that first plan), and presto, hurray! I've invented the seafood pretzel. I'm told the pretzel is a tasty twist to make your day and quite popular with the kids, so write your local police enforcers and demand that they bring you my seafood pretzels with tartar dipping sauce!

Well the band hasn't been doing that well. Have you heard *Looking Up To Me*? How about *Little Fights* or *Hit Me*? Not the best band, I think.

The only way to save face and get more snacks was to start our own band! Names are hard to pick, though. Can't go with Zoidberg, apparently there's a group in Germany with that name. And adding numbers like Blink 182, U2, and Bush X just isn't Zoidberg's style. I decided that we should call ourselves Futurama. Sadly, there is a band in Germany called Zoidberg, so we had to change it to Futurama 36.



And so we rocked, like the B Sharps or the Party Posse, and quickly, thanks to Fry and the robot, learned the true meaning of pizza and the adventure ended.

Hurray for Zoidberg! A whole article so good written for something! And they called me the useless character. Ha Ha! Zoidberg wins!

Dr. Zoidberg

WARNING!!!

In recent news it has come to our attention span that there are idle llamas, penguins, and platypuses (platypi or platypods) running around MC. These creatures are WILD and should be fed a diet of CS notes in conjunction with Calculus notes. DO NOT be alarmed if they should pose as a prof, and enter the classroom, attempting to teach you something informative (like in CS 100, because really, how much can one honestly be taught in that class).

If you should so capture one of these creatures, PLEASE take a picture and mail it to your nearest *mathNEWS* correspondent (oh, as well, track me down as I've got some hefty Calculus notes to trash: oh, wait, I should keep those for finals).

Thank you.

NOTE: These creatures enjoy wearing bright fluorescent pink pajamas.

mastHEAD

You're not offended yet?

So you work hard every second week after every second week putting together a little faculty publication. People come out write articles, proof-read, eat pizza, and are merry; we slip in some content with the understanding that it just might be offensive, and what do we get? Nothing. Not one complaint. Apparently some people thought it was funny. You think that would be good enough, but would that be good enough for someone like Howard Stern? No, the inner Howard Sterns in us are just screaming for attention and just didn't get any. What is the world coming too. Well maybe it is a good thing, maybe it is because we live in Canada where people don't overreact and re-edit open sequences to well established TV shows. Or maybe the disaster movie Titanic II should be set in the World Trade Center Towers.

Well maybe you find something in this issue that will transform into something offensive.

And here's the tag, we've got Brad in the *mastHEAD* now. So what's with Albert's complaining? He's getting so offended over the the readers' lack of offense. That offends me. I mean, wtf! He's probably still peaved that the Albert II robots in *Metropolis* are just garbage collectors with names like Fifi. And btw, what does wtf stand for anyway? I hate acronyms. I hope they never come up in this *mastHEAD* again. Okay, enough of that, let's get to the *mastHEAD* Question ...

Many themes that came up during our themeless production night was acronyms. It has something to do with Lino looking for the only english acronym for tentpeg (though Lino really ment anagram). See good themes and even good *mastHEAD* question can come from random vaguely phallic object like a tentpeg. So here we have the production staff and there answer to what is their name an acronym for (and their CAPS)? Emerald (Calculus ...) (Enhanced Messurement for Early Risk Assessment of Latent Defects), Jason (36) (Jousting Aardvarks Switching On Nitro, Soo (10) (Scientific Operations Officer), Geoff (1) (Get Extra hOr d'oeuvres For Free), Tyler () (Tie Your Laces Every Recess!), Dan (9) (Don't Acronym my Name!), Krease, () (Krusty's Real Enemy: Amazing Spider Emu), Pete Love (3) (Pedophil Entering The Enternal Love Orgy Volcane Entrance), Louis (0/0) (Loves Only Underaged Infant Sex), Laymond (Bah) (Lawn And Yellow Melon Organization for Non-Deformation), and Lino () (Logistic Implementation Needs Oral-Stimulation).

So thank you to Campus Pizza and the Soft Pretzel Bakery, which is now closed on weekends too. Thanks to Margaret for a her proof-reading and thanks to Nicky T for inspiring the Transformers article.

Albert II (All-purpose Large Battery-operated Environmentally-friendly Rust-proof Trashcollector II)
Brad (Brad Rules Above Djinn)

*Filler hole doug shovel spade David Peter pippier
music dance field green sound colour taste sauce
froshweek banana running shoe fits wear out side
alunimun compound socks feet filler*

mathNEWSquiz #3

Hey everyone, Π here. Last week's Squiz was not written by too many people, but people seemed to like the "Who said it" category ... So without further adieu, here are the answers to last week's Squiz. Lyrics: 1) *Ice Ice Baby*, Vanilla Ice, 2) *Bust a Move*, Young MC, 3) *U Can't Touch This*, MC Hammer, 4) *Girl You Know It's True*, Milli Vanilli, 5) *I'm Too Sexy*, Right Said Fred Cornered Frosh Cornered @ mathNEWS: 1) Raymond Lai 2) Fall '00 3) Ian McKinnon 4) BC on Work Term 5) It was a tie, the answer was in the issue Who Said It: 1) Johnny Bravo 2) Ash (Army of Darkness) 3) Sgt. Slaughter (GI Joe Movie) 4) Ernie 5) Grover or some guy at scout

We actually had some submissions! Krease submitted solutions to Squiz 1 and Squiz 2. He was the only submitter for Squiz 1, so he gets the prize. In Squiz 2, there was a second submission, from Pounder, which occurred when I said, "Pounder want 5 bucks? Then do the squiz." And he did. Money has a way with people. Pounder ended up getting 10 points, Krease had 6. So, the winner of Squiz 2 is Krease. You can pick up your gift certificates from the MathSoc office sometime in the future, when the editors finally find them.

Bradley here. I figure since I wrote the first Squiz, I should finally provide some solutions and pick the winner (since I have a submission Lino doesn't know about, ha ha ha!). Spider-Man: 1. Scarlet Spider, 2. Xena, 3. Alien symbiote (Venom) suit mixed with his blood, 4. J. K. Simmons, a regular on Law & Order, 5. Amazing Fantasy; Star Wars: 1. Alderaan, 2. Corellia, 3. General Zog in Superman II, 4. Neimoidians, 5. 12; Canada Reads Competition: 1. The Booker Prize, 2. George Elliott Clarke, 3. Hagar Shipley and Bramble Shitley, 4. King Lear, 5. The Epic of Gilgamesh. Congratulations to Maggie Tam who answer 12 correctly (more than Krease), her C+D gift certificate is in the mathNEWS box in the MathSoc Office now. Enjoy the Squiz. Bradley out.

Tent Pegs

1. Tent pegs from which war were recently sold on ebay?
2. What do tent pegs hold?
3. What is the only English anagram of tent (aside from tent itself)?
4. What does the acronym PEG stand for, with respect to engineers?
5. Where is the worst place to pitch a tent?

Who said it?

1. 640k is enough for anybody.
2. It's wonderful to be here in the great state of Chicago.
3. Only two things are infinite, the universe and human stupidity, and I'm not sure about the former.
4. Knowledge speaks, but wisdom listens.
5. If I were two-faced, would I be wearing this one.

Lyrics

1. Boys and Girls wanna hear a true story
Saturday night was at this real wild party
They had the liquor over flowing the cup
About 5 or 6 strippers trying to work for a buck
2. If you got a gun up in your waist
please don't shoot up the place
Cause I see some ladies tonight
who should be havin' my baby
3. The surgeon general says
it's hazardous to breathe
I'd have another cigarette
but I can't see
4. Was gonna go to court
before I got high
I was gonna pay my child support
but then I got high
5. It's been seven hours and fifteen days
Since you took your love away
I got out every night and sleep all day
Since you took your love away

Good luck with the Squiz everyone, and hopefully we'll get more submissions this time than last time.

Π

Illness Eliminates France

France, who failed to place first or second in their group in World Cup round-robin action, is blaming disease for their poor showing.

It has been known that the defending champions contracted footballitis during training in early May and were unable to shake it. Footballitis, which, as its name suggests, is the swelling or inflammation of the feet and balls, making it difficult (if not painful) to wear shoes, run, kick, or stop strikes with the midsection. The players' inability to kick with their enormous feet without bruising their swollen balls is believed to be the reason they failed to score a single goal in their three games.

Zinedine Zidane, the continental gentleman who is believed to be the team's Typhoid Mary, has undergone a great deal of treatment to reduce his swelling and regain control, but so far it has only caused him to lose more hair.

Fabien Barthez recently moved into the advanced stages of footballitis: the crazy hands. He has lost almost all control over his arms, making goal-stopping almost impossible, except against Uruguay. Also, like most of his teammates, Barthez has some vision loss, making it difficult for him to navigate from Korea to France.

Footballitis, a specific form of the crippling disease advertitis (the swelling of the wallet brought on by sell-out), is expected to spread to other national teams and players who actually do well over the coming weeks.

Bradley Trezeguet Smith

See previous page

Class of 2002: You can still
pledge to our endowment

Grid Clues (Cryptic)

Across

1. Doesn't happen in one version (5)
4. Liberal small particles (4)
7. Cables rise awkwardly from the west (5)
8. Lure sailor backwards to it (4)
9. French and alien (2)
11. Burn fish (4)
12. Lots of love between poles in the near future (4)
14. Article in Atlanta Post (2)
18. No writing tool isn't closed (4)
19. Go inside natural base before rent error (5)
20. Devours seat accidentally (4)
21. Set mapped to oven and stove (5)

Down

1. All points to information (4)
2. Moreso in everything (4)
3. Sire, confusion is upright! (4)
5. Right every extension (5)
6. Helper confuses tea and endless route (5)
10. No reversing superposition (4)
11. Initially came over together (4)
12. Quiet mineral at the beach (5)
13. Obviously sounds like French Open (5)
15. Close in plane arch (4)
16. Boy arranges ants (4)
17. Liberated, no charge (4)

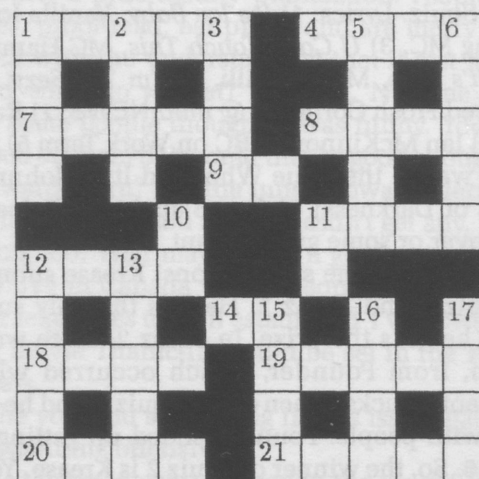
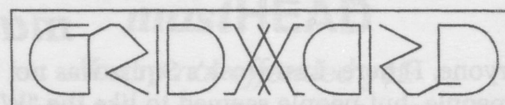
Grid Clues (Conventional)

Across

1. Reason
4. Red light action
7. Grade school glue
8. At an angle
9. Negative response, it means itself
11. Egyptian goddess
12. Tiny noise
14. Location indicator, or Imperial walker prefix
18. Solemn vow
19. Spinning tool and a palindrome
20. Dutch cheese
21. Planet capable of supporting life

Down

1. Xerox machine result
2. Former Soviet acronym
3. Like four and 8726
5. Attempts to film a scene
6. Front line in chess
10. Vertical direction
11. First word in many theorems
12. Non-verse text
13. Bonus
15. Oak or Douglas Fir
16. Toronto newspaper
17. Parabola opening downward



gridCOMMENTS

Wow, I feel like a GridMaster or something. Here's my second offering of a *gridWORD*. I wasn't feeling any gutsier than last issue, so I used exactly the same format. Also, I was feeling lazy. I had this great dream where I came to Production Night and there was a puzzle just floating above the desk. I thought, "Weird, but at least I don't have to think up a puzzle over the next couple days." And sure enough, I was right, as that dream was three days ago and I wrote this *succa* today.

So a completed solution to the last puzzle was provided solely by the SJU Crew (Canada's not in the World Cup because The Wocanadarld Cup looks stupid), who I thought would be on vacation or work term or something. But then, I'm here for the fourth consecutive term so maybe I should shut the hell up. Well, they answered the cryptic correctly, and therefore win a prize. Hey that reminds me, I've got a big announcement:

We found the C+D Gift Certificates!

So, if you are owed a gift certificate, then there is now one in the *mathNEWS* Box in the MathSoc Office. Sorry for taking so long, they were under eight box lids and lots of other crap (like Pete's courier bag).

Well, I hope more people do my cryptic, because they're hard to write. Also, feel free to do the conventional too, I mean, it's a bit easier to come up with the clues, but still takes up some of my Tuesday. And remember to hand in solutions, done or not. Folks like Matt, who solved both puzzles two days before the issue came out (and helped me find some errors), and Bob, who I work with and apparently was a GridMaster many many volumes ago, really should have submitted their answers — they could have won something. I found Matt's a week later behind his desk.

Get your solutions into the **BLACK BOX**, the *mathNEWS* mail slot in the MathSoc Office, or email it to mathnews@student.math.uwaterloo.ca, and I'll let you know how things went in two weeks. Oh yes, *gridQUESTION*. Okay, a serious one. *Who do you pick for the World Cup Finals?* Closest answers break the tie (if there is one).