

math **NEWS**



Friday, June 26, 1992

Volume 59 Number 3

Look Ahead

mathNEWS	
July 4	Frosh Issue Layout
July 13	Issue #4 production night 6:30pm, MathSoc (MC 3038)
July 17	Issue #4 hits the stands
Co-op	
June 29	Pick up Work Reports from MUO
July 3	Interviews End and Ranking Forms Due
July 13	Job Match Posted
MathSoc	
July 1	Helping with Canada Day activities

Prez Sez

The Saga Continues...

Hey there! Hi there! Ho there! Another mathNEWS, another week of absolute excitement and adventure in the wonderful world of the Math Society. We have social events galore coming up, but I will leave that for the social director to tell you about.

A couple of things have come up recently that some of you might be interested in (OK, so I'm taking a long shot here). The Faculty is presently proposing to make some changes to the requirements for graduation. While these changes will not effect anyone who is here now, it will affect some students in future years. A summary of the changes are: Creating a new WD (Withdrawal) option for students to use once in each of their first 3 academic terms; Changing the number of failures allowed for an honours degree from 6; Condensing the average from the existing 4 averages to one Cumulative average; and Moving the requirements to be on the Dean's Honours' List from 85% to 87%. If you are interested in seeing all of the changes, or would just like to input your comments, please talk to me in MathSoc.

Finally, if any of you are willing to help out the Math Society by holding an office hour, it would be greatly appreciated. Come on by and someone will help you with whatever you need.

Happy Canada Day!

EC

MGC

Where has our summer gone? In place of that, MGC '93 held its inaugural pizza day on Wednesday to warm up your spirits. If you missed it, no worries, the next one will be taking place Thursday July 2, the day after that token government holiday! So don't miss it!

After a hectic first month, the committee is finally taking shape with a lot of enthusiastic grads. However, we still need a few more energetic souls to join our family. So let's see a few more of you Grads of '93 coming by MC3029 (MGC office) and lending a hand!

Things to look for in the not so distant future include: grad ring sales, MGC Indy 500, possible Blue Jays road trip, Brunswick House Fieldtrip (requirement for PSCI 292 — quiz to follow!), and lots more pizza!! So don't miss out.

Finally, if any of you or your friends have not picked up your '92 Yearbooks or if you would like to purchase one, please come by the office and talk to us!

Chow.

The Craigster

PMC& OC Weekend Update

I'm not Chevy Chase, and most likely you aren't either.

It's been a while, and a busy while at that!

We've had 3, count 'em THREE, talks since you last read this column. Ravi Vakil spoke on Beatty's Theorem, Complementary Sequences and Wythoff's Game. Prof. Will Gilbert spoke on fractals, and Prof. Naomi Nishimura spoke about parallel computation! We'd like to thank our speakers for their interesting and informative lectures.

Batman Returned on June 19 ... big deal. BECAUSE ... in late July ... PAUL CHECK RETURNS!!! And not with just any talk, either! Paul Returns with The Mother Of All Talks! But seriously ... Paul's talk will span 3 hour-long lectures, culminating in a discussion of Lie algebra (the first 2 hours being background material). Other upcoming speakers include Prof. Kathryn Hare, Marc Ordower, Prof. Marston Conder, and a few others that (unfortunately) slip my mind right now. Keep your eyes peeled for signs, or drop by the office for further details.

Let's see ... what else is there? Oh yeah! The Pterodactyls are still kicking co-rec butt, as usual, while we prepare for the ultimate test (even more ultimate than midterms and finals together!) - the game against the PROFS! The July date still is still in the air, so drop by the office (MC 3033), give us a call (x6139) or send us some mail (pmclub watserv1) if you're curious or not a member (shame on you!). Speaking of softball, on June 10, a proper subset of the PMC& OC played softball with a proper subset of the high school students up for the Seminar. I'd like to thank everyone who came out to the game on such short notice ... a good time was had by all. And our volleyball team, the Wet Willies, are still spiking away, and now we've got a goal - preparing for the Math Faculty Intramural Volleyball Tourney Thingy.

The 72-hour "Mother Of All Marathons" Movie Marathon Weekend Thingy is still in its planning stages - anybody with requests can drop 'em off at the PMC& OC Office (MC 3033). Both of the informal BYOB BBQs we've had have been gangs of fun, and while we'll probably have a couple more across the term, we'll probably organize the "Mother Of All BBQs" sometime in July, too. (By the way, if any of these things sound interesting, volunteers are MORE than welcome ...).

Well, that's about all the time that I have right now (midterms, you know), so I'll stop now. But if you're curious about anything, stop by the office and we'll try to enlighten you (or confuse you (or both)).

Later!

Kevin "Tak" Takahashi
PMC& OC Secretary/Treasurer/First Baseman

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Editor: Chris Caldarelli and Betty-Jo Hill

Profs All Bald!

New Light Shone on Dull Subject

WATERLOO, ON- A new study has revealed the ugly truth about university Professors. Apparently, the gaining of knowledge in a short period of time has caused all of them to become completely bald. Whether this is the only cause for the malady, or if it is also caused by dealing with students who are incessantly whining about their marks remains to be seen.

When asked for comment, Ruth Bradford, a math prof who teaches engineering classes might have said, "OK, so it's true. I have no hair. But it lets me change hair styles daily. Today I'm a blonde, but tomorrow, I can be a stunning brunette. And I owe it all to the wonderful letters PhD."

Intrigued by the results of the study, I investigated into the possibility of a universal hair-loss problem among university graduates. My findings were astounding. Apparently, students who graduate with an average of 84.6 or higher find that they lose at least 30% of their real hair by the time that they are 25 years old.

Looking further into the problem, I found something shocking. Cy Sperling, president of the Hair Club for Men is a sponsor in at least 30 different university yearbooks across North America. Co-incidence? I think not. Mr. Sperling was not available for comment when contacted, but we should have the rest of this story soon. Stay tuned for more details, and keep your hats on!

Billy Bates

Deep Thought

As many of the more sober members of the U(W) family noticed, a storm came through the campus last week. Many an innocent tree was hideously mangled, the wind's testament to the storm's ferocity. So I have only one question: exactly which article did Imp'tint publish to get God this riled?

Jackrabbit

ActSci Club

Yes, believe it or not, there is an ActSci Club on campus this term! After a few delays and several attempts at an organizational meeting, we have an executive consisting of:

Kevin Reimer	President
Greg Lawrence	Vice President
Clarke Marrin	Treasurer
Betty-Jo Hill	Secretary, 3rd/4th Year Rep
Diane Reynolds	1st Year Rep
Alana Farrell	2nd Year Rep

The problem is that the executive is almost half of the club's members. So... (this is where the hyped-up multi-million dollar sales pitch comes in) you can join the club for only \$2 in MC 3030. (Once we figure out who is supposed to open the office door and which of the hours posted on the door will be our office hours, that is. You can also sign up for an hour there, you know!)

We hope to have several seminars including one upcoming on "Getting a Job in Actuarial Science". Details to follow. Also, we're going to try something different this time for our term party.

Have a good term!

The Prez

Yes, it's the FROSH ISSUE

Okay, folks, here's your last chance to warn the '92 Frosh of the impending dangers as they naively enter into our faculty totally oblivious to the perils ahead.

I am accepting articles for the '92 Frosh issue until Tuesday, June 30th. Therefore, if there are any interesting thoughts or comments that you'd like to share with this year's Frosh (which you wish someone had shared with *YOU* in your first year), now is the time to speak! Please submit your articles into the BLACK BOX or e-mail rdelmund@cayley or mathnew2@descartes. My requests for a cover, and a non-specialist blurb have been filled (I'd still love to hear from any OR majors).

Production for the Frosh Issue will begin on Saturday, July 4th at noon in the MathSoc Office. If you want to see your name in print to show off your old high school, eat some free pizza, receive two copies of the Frosh Issue and make new friends (what a deal!), here's your chance!

Thanks to everyone who has contributed so far and/or plans to contribute. See you on the 4th!

Rob Del Mundo
mathNEWS Frosh Issue Editor
Summer '92

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Prof Quotes

- "...But if you proceed in a mindless fashion, as I often do..."
Baker, MATH 148
- "The text is a little confusing. Not that I'll be any less confusing."
Novotny, PSYCH 261
- "...and this observer is standing by a tree doing something obnoxious."
Brandon, PHYS 122
- "Well, this is what was on the exam, so we won't worry if it really, truly corresponds with reality or not."
Becker, CS 241
- "I'm just going to focus on one way - my way - it's the best."
Kroetsch, MUS 111
- "What I've done is not very useful."
Gilbert, PMATH 336
- "[to a tardy student] This is Biology 501... [to class] He went away!"
Lawrence, MTHEL 100
- "I only drink to make my friends seem interesting."
Lawrence, MTHEL 100
- "I don't get measured for my suits, I get surveyed."
Lawrence, MTHEL 100
- "My curves are all over the place."
Arlene Bennet, BUS 352
- "Running naked through the streets never did become really fashionable among Physicists... or Engineers."
Woolner, PHYS 122
- "If I mark the exam on a curve, it's going to have 2 humps."
Isenor, PHYS 234
- "Writing 'formally' before this line means I'm going ahead like I know what I'm doing."
Cross, AM 332
- "You can tell it's a work of art because when you first look at it, you say 'What's that?'"
Dickey, PM 360
- "Oh Shhhhhhhhhhhucks."
Dickey, PM 360
- "How many of you think it would be a good investment to buy me a good joke book?"
Limber, MATH 136

SocToc

My! Last week it was Curtis' first SocToc and this time it's my first one. The *stress* involved in being a co-director has given me an ulcer so this will be brief.

Last Friday was our 25th anniversary semi-formal dinner/pub night. It was a smashing success. I'd like to thank Jill Arnott for her hard work in booking and organizing the semi-formal. My co-director did a great job organizing the pub-night which took place after the dinner. Thanks to all the volunteers who helped decorate and clean up Fed Hall. Last of all, thanks to Fed for a great dinner.

Our upcoming events are as follows:
Canada's Wonderland on July 10th. Bus leaves in the morning and returns after the park closes. Tickets are \$20/math and \$22/non-math.

Car rally will take place on July 12th and you will be hearing more in the days to come.

BBQ will be on Tuesday June 30th. You will be able to vote on your favourite charity so come and help a worthy cause. To date we have raised \$370 for the Canadian Cancer Society and \$275 for the K/W Big Brothers Big Sisters Association. July 1st is Canada Day! MathSoc will be hosting Children's Activities. Everyone is welcome to attend and we could still use more volunteers. Those interested can sign up in the MathSoc office.

Well, until next time, we're

Curtis Desjardins
Patrizio Calitri
MathSoc Social Directors

Want to Spend Someone Else's Money?

To Improve the Quality of Student Life at U(W)

The "Endowment Fund Committee" has allocated \$ 270,000 for student life projects undertaken between the Spring '92 and Summer '94 terms. This money is available, upon approval of this Committee for ANY student directed projects that will serve to improve the quality of student life on campus. Examples of such projects could be accessibility or safety improvements, new equipment for a campus recreation programme or any initiatives where it can be shown that a sizable number of students will benefit.

This is your chance to have a say in what the money will be used for. Do you have a great idea on how to improve the campus? Let the Endowment Fund Committee know. They've asked the University of Waterloo students (grad or undergrad) to submit proposals for this funding by June 30th, 1992. Decisions on these submissions will be made by mid-July. Any U(W) student can make a submission on their own, but the Committee has suggested that all proposals be made through a recognized on-campus student organization (e.g. MathSoc, Graduate Students Association). The "Guidelines - Submissions for Funding" and the corresponding request form are available at MathSoc (ask Barb Torner).

These guidelines and forms can also be picked up in CC 219, the office of the Project Coordinator (x5330). If you have any questions please call John Leddy at this extension.

A Call For Mathematical Correctness

Political Correctness was only the first step...

We at mathNEWS are tired of the abuse and careless slander given to us by members of the so-called "Politically Correct" society. So we have assembled a number of terms and phrases we would like to abolish from everyday language in favour of more-descriptive and less-offensive phrases.

1. "Division by zero is illegal/undefined"—This is discriminatory to unfortunate polynomials and expressions with this problem. If you run across one, call it "divisionally challenged".
2. "Improper integrals"—Nobody likes to be called "improper". A much better phrase is "integrals with a unique expression".
3. "Irrational numbers"—We of the Mathematically Correct see this as a slander on the emotional and mental well-being of any number not belonging to the so-called "rational" set. Instead, you should say "radicals", which conforms with current slang (as in "Radical, dude!") and makes these numbers feel that much better about themselves.

4. "World Series"—Using this phrase could easily offend any sequence within earshot! How would YOU feel if you were a sequence and everyone is talking about a series containing the entire world? Avoidance of this phrase will prevent suicidal sequences from jumping off the sixth floor and converging to the sidewalk. Instead use "the best-of-five tourney that ends the baseball season." It's a little longer, but being Mathematically Correct is reward in itself.
5. "The limit of $f(x)$ as x approaches a is L "—This insinuates that $f(x)$ is limited, which is offensive. Rather, you should say "the challenge of $f(x)$ as x approaches a is L ".
6. " $G(x)$ is bounded above/below by 3"—If we don't let $G(x)$ go where it wants, we're infringing on its rights. Thus we say " $G(x)$ chooses not to go above/below 3".

Obey these simple guidelines and you won't offend any number, expression, or operation, which is what Mathematical Correctness is all about!

The Hammer Has Fallen

On CS

The Confessions of an Addict

You know, I used to be pretty whacked out. A couple of years ago, I found CS, and I thought it was the greatest thing in the world. I would stay up all night long, working with its purest commands, its most beautiful intricacies. But then, it reared its ugly head, and I found that I could no longer sleep, that I had a great need to sit at a terminal and type meaningless code for hours on end.

Then, around 4 in the morning, I would go outside and sit on my true love, and look at the stars. It would never talk back, and it would listen to all of my problems with bugs and other such menialities. I was entering an endless loop with no exit statement. I needed a then for my if. I needed to close my brace and escape from the hole I had entered.

Finally, one day about a week ago, I was creating a piece of code that would make my terminal come to life. But it was not to be. Instead of becoming what would be my whole life, my CS turned into a huge piece of liver, and I was damned to feel sorrow for the rest of my days.

I am better now. I can smile easier, talk better, and one might even say that I am cured of my addiction.

But it is not so. Every time I see a computer, a tear comes to my eye. I can't bear to touch one, as pain reigns through my body whenever I touch the keyboard. I need CS. It has consumed my life.

For you, though, it is not too late. Forget about the evils of staying up until 5 or 6 o'clock just to find that you didn't close the final brace of your if statement. Get out now... while you can still exit the program.

Two Graduates of the 12-week plan



BESIDE FED HALL
GRAND OPENING OF THE BACK PORCH PATIO
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FEATURING: A campus wide Beach Volleyball Tourney, Free Hip-of-Beef Barbecue to first 200 people each night, Dancing in the Sand, Swimming, and Largest outdoor patio in K-W

\$2.00 FEDS \$3.00 OTHERS

Come One! Come All! Come To The CANADA DAY Celebrations

On Wednesday, July 1st, the University of Waterloo and the Federation of Students will be hosting the annual Canada Day celebrations on the North Campus by Columbia Lake. Celebrations will begin at 3:00 with a colourful parade which will run from WLU to UW via Albert and Columbia Streets. Events for the day include an Environmental fair, a crafts display, a kite flying contest and a celebrity slo-pitch game between the Waterloo Fire Department and the Police Force. Live entertainment, featuring Eddie and the Edsels, Integration by Parts and the Waterloo Concert Band, will be provided free of charge to expected crowds of over 50,000. Finally a candlelighting closing ceremony will be held at 10:00 pm in which the community will be asked to light a candle as a symbol of hope and unity on Canada's 125th Birthday Celebration. The day will finish with a spectacular fireworks display at 10:15 pm. For more information, call Kate Rushforth, 885-1211 X6329

Dean's Honour List

In recognition of outstanding academic achievement throughout their undergraduate careers the following students "graduated with distinction" at Spring Convocation, May 30, 1992 and will have their names displayed in gold on the walls of the Faculty Colloquium Room (MC 5158).

Daniel Astorian, Michael Bier, Jasenka Brcic, Mark Brockington, Shung Fai Chan, Tin Kin Chan, Wai Chan, Iver Chow, J. Daniel Christensen, Scott Clausen, David Cook, Nicolas Darveau-Garneau, Christopher Field, Garth Frazer, Rene Gourley, Michael Hardy, James Hodge, Tse-Tsin Hsieh, J. Doug Johnstone, Richard Karsten, Christina Leslie, Wing Lo, Brian Marshall, Timothy Meehan, Bithae Murray, Philippe Nicolle, Keith Orpen, Miroslaw Powojowski, Pierre-Yves Santerre, Paul Sauve, Haseem Saleem Sheikh, Steven Sim, Ken Tan, Glenn Tsang, Kich Ty, William Wallace, Lisa White, Paul Wiebe, Allan Williams, Aris Sakinithinos, Robert Sucherata

In recognition of outstanding academic achievement throughout their undergraduate careers the following students "graduated with distinction" at Spring Convocation, May 30, 1992.

Mahendra Agrawal, Ernest Cadornia, Ryan Casaban, Paul Check, Pamela Cherney, Simon Clift, Julia Cochrane, Eva Chung, Derek Dobson, Stephen Elliott, Monique Fisher, Eric Forshaw, Christopher Gmach, Stephane Goyer, Ann Hammond, Gregory Harper, Louise Hartnell, Lisa Hume, Lester Jacobs, Adam Judson, Lisa Laffrady, Wilson Lam, Kin Wai Ma, Blair Madore, David Medd, Robert Megens, Adrian Miedema, Roxanne Mirander, Marc Ordover, Scott Orr, Kenneth Palmer, Scott Parkinson, Guylaine Pomereau, James Randall, Ravi Renakaram, Kathleen Reymers, Michael Rutherford, Tasmeen Samiji, Andreas Sahyegyi, Dan St. Mars, James Thornton, Mary Trask, Gerry Veestra, Greg Veres, Brian Vink, Nan Wang, Gerard Yetming

In recognition of outstanding academic achievement during the Winter 1992 term, the following students qualified for the Dean's Honour List.

Derek Astley, William Baldwin, Daphne Beingsener, Lorraine Bender, Diane Bergeson, Zahir Bhanji, Dorian Birsan, Marcus Bosland, Sean Bourson, Scott Briggs, Michael Brisbois, Mark Brockington, Paul Burton, Jeremy Carriere, Ho Fai Chan, Ho Hon Chan, Kai-Chung Chan, Man Pun Chan, Shung Fai Chan, Yuk Kuen Chan, Paul Check, Ada Ying Dee Cheung, Alice Man-Lok Cheung, David Chin, J. Daniel Christensen, Bradley Crafton, Peter Cummins, David Dantowitz, Matthew Davidchuk, Giuseppe De Tullio, T. Eugene Dimitriou, Richard Diin, James Drage, Jeffrey Drucry, David Ebbo, Francis Blek, Katherine Ellis, Benjamin Falchuk, Cesar Farrell, Glen Farrell, Paulo Ferreira, Stephen Fredrick, Patrick Gilhuly, Mark Gilliland, Ian Glaster, Ian Goldberg, Jennifer Guds, Blaine Harder, Ashif Harji, Michael Hawkins, Jonathan Hede, Gregory Heise, Warren Hill, Grace Ho, Hung Fai Ho, Wendy John, Richard Karsten, David Kerr, Stephen Klump, Po Shan Kong, Dylan Kucera, Mathieu Lapensee, Roxane Lapensee, Johan Larson, Tin Chi Lau, Gregory Lee, Maria Lee, David Leppinen, Alan Leung, Kung Fan Leung, Yee Shuk Leung, Stefan Leyhane, Ka-Leung Lin, Chi Hung Ling, He Jay Lou, Wai Man Ma, Steven MacDonald, Helen Makris, Clarke Marrin, David Maxwell, Thomas McCarthy, Karleen Mech, Amir Michail, Asad Mohammed, Oshoma Momoh, David Moore, Bernard Neumann, Myrna Newman, Ho Lai Ng, Yu-Kwan Ng, Minh Duc Nguyen, Michael Nidd, Brett Nance, Keith Orpen, Clare Pace, Scott Parkinson, Jodie Pascal, Stephen Pierce, Denis Pollney, David Ptaschny, Colia Roberts, Juanita Schiedel, Michael Schofield, Nikhil Shah, Aviva Schneider, Elisabeth Silva, Nora Steumer, Jonathon Song, Scott Spencer, Colin Springer, Marek Stastna, Bradley Stephens, Ken Seng Tan, Robert Terpstra, Siu Lun To, Elisabeth Tolone, Stephen Tomlinson, Glenn Tsang, Martin Wainwright, Susan Weigel, David Wellstood, Damon Williams, Gary Winger, Joel Wohlgenut, Amin Ali Yiu Wai Wong, Walter Wong, Gerard Yetming, Kin Pong Yeung, Hao Zhang, Yang Zhang, Khalid Zuberi

In recognition of outstanding academic achievement during the Fall 1991 term, the following students have been added retroactively to the Dean's Honour List.

Bli Lapell, Keith Orpen

MastHead

You know, I don't like stress, so why do I do this to myself? Oh, yeah. Right — the free pizza. All I can say is *Thank you!* to everyone who came out to eat pizza and make the production night run a little less chaotically.

Here's a list of people we believe to be responsible, along with their favourite Canada day activities: R. Gordon Schmidt (Drumming for Spinal Tap); Mala Krishnan (Lots and lots of calculus ... NOT!); Brian Spencer Mellencamp (Spend the day alone with my homebrew); Mike Hammond (Clipping "Made In The U.S.A." tags from all my clothes); Christopher Calsonetti (Pasting California where Quebec should be); Peter Milley (Painting maple leaves on sleeping people's faces); Adam Benjamin (Laugh at Dan Quayle quotes); Rob Zacchigna (Cross-border shopping - in Quebec); Caryn Babstock (I dunno - what's goin' on?); Rob Del Mundo (None of your damn business, eh?); Chris Beaugard (Canada day? When?); Chris Reuter (Eat, sleep, watch T.V. Repeat when necessary); Curtis Desjardins (Dicking around); and Tara Mulder (See how close to 24 hours I can sleep).

Thanks to everyone, and also to Marion in Graphic Services! (Don't forget to buy the Canada day pins, either from her or MathSoc, to support K-W Hospital's Dialysis unit!)

Betty-Jo Hill (Chasing hurricanes to acclimatize myself to midterm stress)

Christina Caldarelli (Hoping to God that I can celebrate Canada Day next year, and the year after, and ...)

Star Trek: The Next Logic Puzzle's Comments

We've finally dug ourselves out from the pile of submissions for this, and all we can say is, "Wow!" I personally have never seen such a response to a logic puzzle before! (Of course, I'm new here, BUT...) We had a total of 12 submissions, and 10 of them were correct! Remember, we award the ever-coveted prizes on a basis of entertainment, and there was one submission that was not only long, not only entertaining, but had pictures! And it was BOUND! (I'd like to have seen their work term reports!)

The two incorrect submissions come from Andrew Steuter and Rob Z. (No pseudonyms. Hm... is there a connection?) Correct submissions come from: Decaid Tea; Elwood; Thunderstorm; Midnight Runner; Wiffer; Sledge; Schrödinger's Flea Collar; Pink Dove; and Live From Waterloo... HAMMER!! And the winner is the aforementioned entertaining over-achievers, B-6 Babes!! Congratulations to the Babes, and you can pick up your oh-so-valuable prize in the MathSoc Office!

Oh, you want the answers? Well, okay, I'll guess I'll type them in. But there's no explanation; you'll have to figure out for yourself how we got the solution.

In Summary:

Person	Part Lost	Weapon	Place
Captain Picard	Leg	Chainsaw	Ten-Forward
William Riker	Ears	Optic Cable	Holodeck
Lt. Worf	Nose	Data's Karate	Sickbay
Deanna Troi	Brain	Medical Laser	Engineering
Dr. Beverly Crusher	Spleen	Phaser	Bridge
Geordi LaForge	Arm	Axe	Turbolift
Wesley Crusher	Testicles	Power Sander	Transporter

Engineer Has Tongue TIE'd About Tool Envy

For those of you who are unaware, in the June 19th issue of the Iron Warrior, a certain engineer (who will remain nameless simply because I refuse to dignify him with his name in our paper) made slight of our famed pink tie. During the June 5th weekend, a few (self-appointed) guardians of the Pink Tie remained on campus overnight to ensure the continued safety of our fifty (odd?) foot Pink Tie. This sort of measure has become necessary due to the Kleptomaniacal tendencies of certain members (past and present) of the University community. Anyway, this engineer made several remarks which should not go unnoticed.

The article can be summarised by his statement "... if they want to protect the tie, I think they should look at the way we guard our mascot..." The engineers feel that it is necessary to hide their tool away, only to removed on special occasions. And when they do, it is accompanied by an armed escort to ensure its safe return. This is the Nineties! A person should be proud to display their mascot and show it off to everyone.

The engineers keep their tool hidden away, only to be taken out and played with in the safety of a dark room. I suspect they fear laughter from anyone who actually saw their Tool. They pride themselves on the fact that few non-engineers have ever seen the Tool. Could it be that this allows them to perpetuate myths about its size? During Frosh week in my first year I was "graced" with an opportunity to view the famed Tool. I was waiting to take my WHMIS exam, when a bunch of funny looking engineers wandered by with the Tool on their shoulders. I can only say that if I had a mascot like that, I wouldn't want to dangle it off the side of a building either.

In closing, I would like to thank those brave Mathies for their efforts that dark and rainy Friday night. They have not gone unnoticed. And to that engineer who wandered by on his way from the Bomber... I'm sorry you missed the game of trivial pursuit that ensued later... you might have learned something.

The Bitsnatcher

CSC Flash

Well, the Computer Science Club has battled rampant communication problems, scheduling problems, and brain-damaged Macs, but the executive seems to be getting things together.

In the usual mathNEWS time-distorted fashion, I will attempt to update you on what has been and will be happening, as well as what will be and have happened by the time you read this.

By the time mathNEWS hits the stands, many of you will be recalling the enjoyable experience of hearing Prabhakar Ragde give an interesting talk on the ethics of the Internet. A few others of you will also be contemplating last month's talk given by Mark Tilden on BEAM Robotics. Perhaps others will be fondly remembering the free tea and doughnaughts from both events.

As you read this, you may wish to prepare for the CSC UNIX tutorial, scheduled for the afternoon. Look around for the CSC posters describing this wondrous event. Or even better, drop by the office in MC 3037 where our loyal office staff will gladly answer any of your questions about the talk, computers, or life in general. They may also attempt to sell you a membership, which for a measly two bucks will allow you to support the CSC and the wondrous events it sponsors. Wouldn't you be happy as a CSC member?

But I digress. In the coming weeks, you may also look ahead to an X-Window tutorial. Learn how to maximize your use of this wondrous tool, and maybe you'll get a few hints on creating a really nifty working environment, possibly similar to those you might have seen on the terminals of other, more enlightened souls (and past attendees of the tutorial).

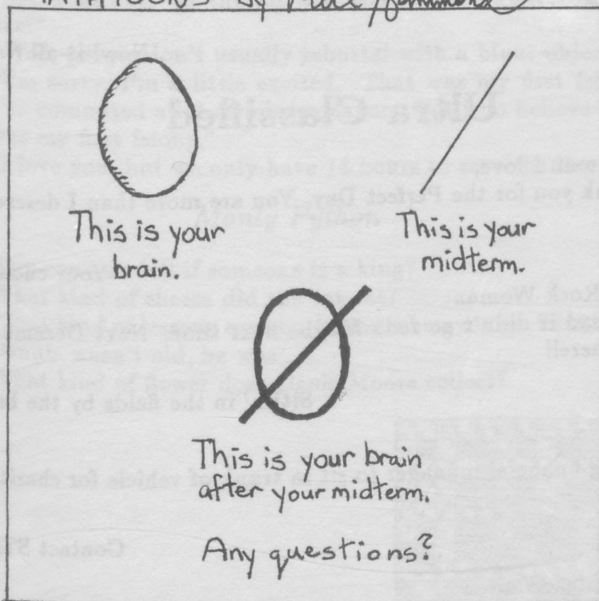
On July 23rd, look forward to a talk by Robert Bernecky. Fresh from his world tour (or at least Europe and the area), he'll be delivering his famous talk entitled "The Last Wind Tunnel". Put that in your calendar.

Very Soon Now, the CSC will begin ordering T-Shirts, featuring a wonderful 25th anniversary design. Details aren't final yet, but you might drop by the CSC where those ever-so-loyal CSC office staffers will fill you in on all the details, and sell you a membership.

Until next time, may you revel in free tea and doughnaughts.

Calum T. Dalek

MATHTOONS by Mike Hammond



Ode to the Interviewed

To all of you fine people waiting in the Pit for your interviews: Every once in a while when I'm wandering through Needless Hell, I'll see you in your snazzy clothes waiting for that next opportunity to chat with a mindless dweeb from the company of the day. It always occurs to me how you're either juggling interviews and midterms, or wishing you had enough interviews to juggle. And I realize that some of you must be under a great deal of stress.

Not that I have any sympathy, mind you. I'm just comforted by the fact that there are people on campus who have more things to worry about than I do. In fact, every time one of you fails to burn out, I know I should have no trouble dealing with the day to day problems in my life. Other than that I don't really care.

But I suppose *you* need something to cheer yourselves up too. So just remember: the interviewers have to sit in those small rooms all day, listening to people like you try to make themselves seem better qualified. They're probably having less fun than you.

The key to happiness is realizing you must be better off than somebody else, somewhere.

Taco Hell

Losing My Precision

With Apologies to R.E.M.

Oh π is bigger
It's bigger than 2, and 2 is not 3
The things I go through
To get π more precise
Oh no, I've rounded too much
I messed it up.

That's me on the system
That's me using Fortran
Losing my precision,
Trying to keep five places
And I don't know if I can do it
Oh no, I've chopped too much
I haven't kept.

I thought I'd use single precision,
I thought I would just use real,
I think I've solved for π .

Every keystroke of every waking hour, I'm
Choosing my declarations,
Oh no, I've rounded too much
I've messed it up

Consider this: consider this:
 π equals A over r^2
Consider this: the WYSE
That brought me to my knees - failed
What if error propagation comes,
Playing around - now I've said too much.

I thought I'd use single precision
I thought I would just use real,
I think I thought I solved for π .

That was just a three,
That was just a three.

That's me on the system,
That's me using Fortran
Losing my precision
Trying to keep five places
And I don't know if I can do it
Oh no I've chopped too much
I haven't kept enough.

I thought I'd use single precision
I thought I would just use real
I think I thought I solved for π .

But there was just a three,
 π , ϕ , ψ , χ
That was just a three,
Just a three, just a three,
Three.

π

π

π

π

:

3

3 3

3

3

The Brave Atlantan

Vapid Fire

At the Rio earth-summit, Brian Mulroney offered to forgive the debts owed Canada by Latin American countries if they contributed a similar amount to saving the tropical rain forests. The total debts owed to Canada by these governments is approximately \$150 million. The Reichmann brothers, owners of the troubled Olympia & York developing firm, have reportedly responded to this offer, citing that their empire is as big as many third-world countries, and that they can speak latin. The Prime Minister has refused to comment, but insiders say the Reichmanns' claim will be honored.

In a story that has recently come to our attention, various countries of the CIS were involved in ships-for-cola negotiations last winter with Pepsi-Cola Inc. The deal would have reportedly sent 10 soviet ships to Pepsi in return for 37 cases of cola. However, Pepsi backed out at the last minute when, despite NRA protests, U.S. gun import laws were tightened, preventing Pepsi from bringing the ships back to the States. When asked what they would have done with the ships, Pepsi executives responded: "This deal would have blown Coke out of the water!"

Toronto is being hailed as the 'Bermuda Triangle' of the north after recent events surrounding the labour strike at a major daily newspaper. In an effort to increase delivery speed from its besieged plant, the Toronto Star came to an agreement with picketing workers. The picketers will now allow two delivery trucks to leave and three trucks to enter the plant every fifteen minutes. Conspiracy theorists immediately seized the opportunity to link the newspaper to UFO's, Freemasonry groups and the Kennedy assassinations.

In sports news, there is have been more developments in the ongoing Lindros saga. The Quebec Nordiques have announced that they had a secret deal with the Toronto Maple Leafs that pre-dates and renders null and void the supposed trades with both Philadelphia and New York. The trade has Lindros going to the Leafs, in return for which Quebec receives half of Toronto's major league players, three-quarters of their junior hockey teams, all Toronto's draft picks for the next 30 years, and \$20 million. Jacques Parizeau has gone on the record in support of the trade and says he is in the midst of talks with Brian Mulroney in pursuit of a similar deal for the province of Quebec.

Nowl-it-all Nash

Ultra Classified

To the man I love,
Thank you for the Perfect Day. You are more than I deserve.

Your cuddly

To the Rock Woman:
Too bad it didn't go red. Maybe next time. Next December
— be there!!

Sittin' in the fields by the bay

Wanted:
Young financial manager to sit in trunk of vehicle for charity.

Contact STP

Roommates Wanted:
Must be able to tolerate G'n'R at volume level 2.

Contact Rapunzel

mathNEWSquiz #3

G'day squizmates! With my little weekend jaunt to North Carolina this past weekend, I didn't really have much time to come up with very many questions, so I thank EC and mouse #2 for their help this issue. The answers to last issue are: 1) Oman; 2) Sudan; 3) between France and Spain; 4) Alert; 5) Nepal; 6) Crowns and Anchors; 7) Nine of Diamonds; 8) Seven of Diamonds; 9) 78; 10) Queen of Spades; 11) The Last Boy Scout; 12) A Fish Called Wanda; 13) Licence to Drive; 14) Real Genius; 15) The Breakfast Club; 16) all won the WWF Championship from Hulk Hogan (it wasn't enough to say they had a *title match* against Hogan, sorry); 17) 60 minutes; 18) Flair won the title 7 times officially (8, maybe 9 times, unofficially); 19) Andre the Giant; 20) it was 53 seconds from the time evil twin referee (evil twin referee? what the hell?) Earl Hebner counted 3 to the time Andre relinquished the title to Ted DiBiase; 21) none; 22) New York Yankees, New York Giants, and the Brooklyn Dodgers; 23) 5-1-0 for Brooklyn-Yanks-Giants; 24) it took San Luista and Piedras Negras 8 hours to play 6 innings before the game was called on account of darkness (by the way, the score after 6 innings was 129-119 for San Luista); 25) 210 yards (Raymond Dowd recovered a fumble near his opponents' goal line, mistakenly ran the wrong way to his own endzone before realizing his error and turning around and running the length of the field *again* for a touchdown).

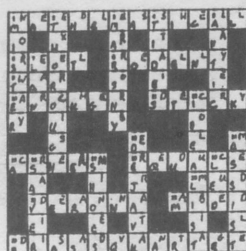
The scores for the people who were brave enough to submit answers are as follows: Thunderstorm (5); Rapunzel, Romy, and Betty Boop (10), and Sledge (10). Whoops! Looks like a tie! Well, to solve such a dilemma I resort to the Reliable and Trusty Squiz Coin Toss, and the winner is... drumroll... Rapunzel, Romy and Betty Boop!! Congratulations! You can pick your squizprize up at the MathSoc office. And now on to this week's squiz.

Movie Quotes

1. "We're going to need plastic surgery to remove our goddamn smiles! We'll be whistling Zippity-Do-Da out of our assholes!"
2. "It's amazing. You look like a normal person, but actually you are the Angel of Death."
3. "She goes nuts on the air and you ask me what *I* did to *her*?"
"Well, people don't usually rebuttal with a blunt object."
4. "I'm sorry, I'm a little excited. That was my first felony. I've committed a lot of misdemeanors, but I do believe that was my first felony."
5. "I love you, but we only have 14 hours to save the Earth."

Monty Python

1. How can you tell if someone is a king?
2. What kind of cheese did the cat eat?
3. What kind of lessons are you taking when you go "wahhh"?
4. Dennis wasn't old, he was ____.
5. What kind of flower does Denis Moore collect?



Hannibal Lecter and Friends

1. What was Hannibal's occupation before being captured by the FBI?
2. What book was used by the Lecter to send code to the Tooth Fairy?
3. What book did Thomas Harris write before *Red Dragon* and *Silence of the Lambs*?
4. What was the name of the movie made from the book *Red Dragon*?
5. Who directed the movie?

Bar Trivia

1. What do you get when you mix Bailey's, Strawberry Liqueur, and Milk?
2. You start with a Screwdriver, and you add Galliano. What do you have?
3. If you wanted to make a Dead Flamingo, how would you go about it?
4. If you wanted a shooter with Bailey's and Peppermint Schnapps with cream on top, what would you tell the waitress that you wanted?
5. From what part of the lemon would you get the juice for a twist?

Song Quotes

(name the song and artist)

1. "I've looked around enough to know that you're the one I want to go through time with."
2. I see just what I want to see, things are easier that way."
3. "I met a girl who sang the blues and I asked her for some happy news."
4. "You tell me I'm the lucky one — how can you say that?"
5. "There goes my baby — she knows how to rock'n'roll"

Dr. Seuss

1. What village does the Grinch live near?
2. What is Sam's favourite food?
3. Who hatched the egg?
4. What are two types of Sneetches?
5. Who usually introduces Dr. Seuss programs?

Now comes the easy part for you, the reader. Pick up a pencil, or better yet, use the one in your hand that you don't seem to be using for note-taking at this moment. Take this pencil and write down the answers to the above questions. Place said answers in the BLACK BOX on the 3rd floor of the MC by 6:30pm on July 13th. Good luck!

EC
mouse #2
Monsieur LeFlouffe

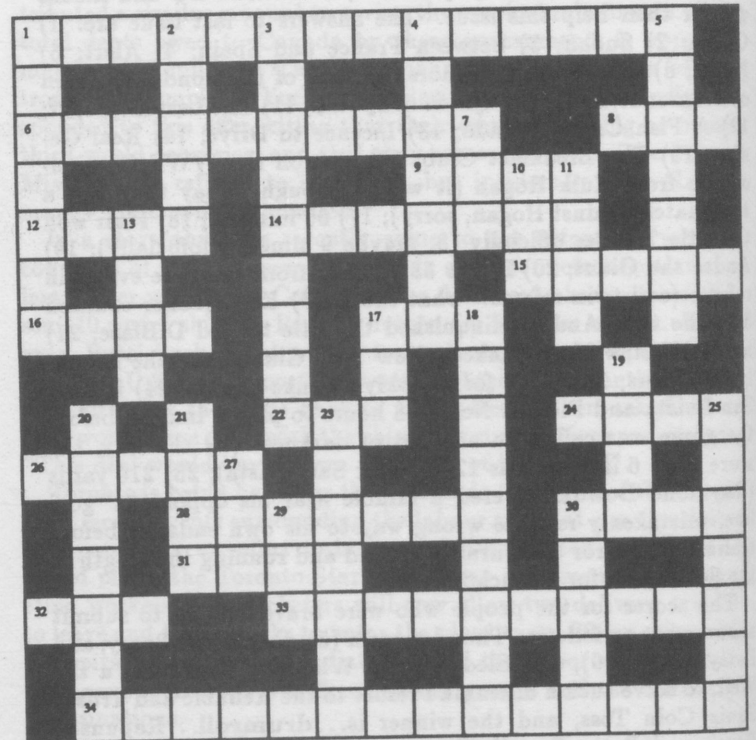
Cryptic

1. Behead flat round mantra, Robert is not early (14)
6. Befuddled tee sellers just won't quit (10)
8. Income related stealing (3)
9. Turn up noisy emanation (4)
12. Aluminum piss off dogmeat (4)
14. To give birth to a son is boaty all over! (9)
15. I hate piddly stale water! (5)
16. Catch the time of black music (4)
17. Accurate defense algorithms (3)
22. Why, escape is positive! (3)
24. A butterfly is less than your mom (4)
26. To create a hundred in reassembled ruin (5)
28. Give me a drink, I'll recant in a minute (7)
30. Back of the morning bubbles (4)
31. Listen to her, a mix up (4)
32. In the attic, Ryan screams (3)
33. Almost cold in a certain pular region (sic) (10)
34. In a calm locus, it errs (14)

1. 'Drunken' Mandrot is asleep (7)
2. Third try again, I believe (5)
3. Rug edge atop, why hitched? (9)
4. Illegitimate, almost bottom, almost late (7)
5. Irregular mistake upstairs (7)
7. Below the sandwich (3)
10. Heavy going up, Wayne would say (3)
11. To see the direction of assent (4)
13. Protests raised at Yahweh (4)
17. Muscles are always positive (3)
18. Insanely critical aura without the yell of risk (9)
19. A loop twisted on a horse (4)
20. To bury, I'm in between (7)
21. My chum juggles a lot (4)
23. Inside a turned decimal, on track (7)
25. Doh-man negated all the way around (7)
27. First on with the sound of sunlight (3)
29. Peter rises while testing (3)
30. L'insurance d'unemployment fits seeds perfectly (5)

Conventional

- | | | |
|--|---|--|
| <ol style="list-style-type: none"> 1. Government advertising 6. Search for angry person 8. To grow old 9. Middle East inhabitant 12. Not axis 14. Seventy-seven times 15. Bird of prey 16. Sensory organs 17. Computer language 22. O & Y tenant 24. Nice beast (abbr.) 26. To follow 28. Most courageous 30. Horned sheep 31. Equal 32. Tear 33. Below 34. Olympic competitor (2 words) | <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Across</p> | <ol style="list-style-type: none"> 1. Gas 2. Indicate 3. Vanguard 4. Handled 5. News 7. Three 10. Street (Abbr.) 11. Advisory of 15 Across 13. Instrument 17. Injested 18. Unfaithful one 19. Cookie 20. Either way you read it 21. Sports team 23. The final seal 25. Baseball player 27. Liberation 29. Army medical unit 30. It's not easy |
|--|---|--|



Across

Down

gridCOMMENTS

Another Grid, another day. It seems that there was loads of enthusiasm among all the participants to try and one-up each other to get the wonderful prize (insert oooo here). This is going to be the best grid yet, so if you value the prize that could be yours, submit your solution to the black box by July 13th.

There were 2 solutions received for the conventional puzzle, from Thunderstorm and Metalinguistic show Z & Blaine the PeeWee, with Thunderstorm submitting a correct solution. For the cryptic, everyone got the correct solution out of those who gave in answers. People were: Thunderstorm; Coffee, Black; Metalinguistic Show Z & Blaine the Pee Wee; To Toronto in a Jetta³; and some random person who did not write their name on their sheet. And the winner is: (insert drumroll here) Thunderstorm and Coffee, Black. Congratulations to our victorious vultures. They can pick up their prizes in the MathSoc office anytime during regular office hours.

Some of the comments we received were practically non-existent. Such things were: Favorite thing: Coffee, Black (spot the connection); Favorite Pseudonym: Pilot in Hell.

Thanks all, and keep those submissions coming.