

What do the  
**COWS**  
Know that we don't?

A handwritten signature in black ink, appearing to be 'L. J. ...'.

**mathNEWS**

Volume 75, Issue 2

Friday, October 10, 1997

## Prez Sez

Another mathNEWS, another Prez Sez. Well, let's see what we have in the old MathSoc newsbag. Well, first of all, we need a VPAS. Our current VP Activities & Services, Chris Buchanan, resigned on Monday the 30<sup>th</sup> of September. By the time this issue is out, though, the nomination period will have closed (just yesterday actually). Following that, should there be more than one candidate running (or any for that matter), there will be a one week long campaign period. Keep your eyes open for information about that.

Secondly, I want to thank everyone that made our second movie night a HUGE success. We will be holding movie nights every second Thursday for the rest of the term. Look for details about the next movie night elsewhere in this issue.

Other than that we still have vacancies in the following positions on MathSoc council: External Director, Internal Director and Academic Liaison.

The following non-voting positions are also available: Postings and Secretary.

Finally, the following class repships are still unfilled (these are also voting positions on MathSoc council): 4 CS reps, and one each of the following: General rep, Actuarial Science rep, AM rep, Interdepartmental rep, PMath rep, Stats rep, Teaching option rep and an undeclared rep.

If you would like a description of the duties and privileges of any of the above positions, just email me at: [pres@mathsoc.uwaterloo.ca](mailto:pres@mathsoc.uwaterloo.ca).

That's just about it for this issue. See ya next time.

André Cousineau,  
President, MathSoc

## NOW HEAR THIS!!

Movie Night 3 is just around the corner. This Thursday we will be featuring *The English Patient* and *Shine*, two of the year's most critically acclaimed films. So if burned up guys and naked piano players are your speed, or if you just wanna to see two good movies, come on by. *The English Patient* will be at 7:00pm and *Shine* at 10:00pm in room DC1302. Admission is \$1 and a can of food (for the U(W) food bank).

Robin "No, I'm not Mark Beran" Stewart

ISSN 0705-0410

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

Out of the running for the "CS 370 Student of The Year" Award: Chadwick Severn, Brian Fox

## Half in the SAC

*Make A Difference: Become New SAC Chair*

Students Advising Co-op is a commission under the Federation of Students whose role it is to ensure that the voice of the student is heard in Co-operative Education and Career Services. SAC is a completely separate entity from co-op and does not take its lead from CECS, but works very closely with CECS to constantly improve the Co-operative Education program here at the University of Waterloo.

Your duties will include organizing SAC events such as weekly meetings. Along with your commission, you will decide the focus of the term based on past terms. You will meet with co-op officials to determine needs areas. As chair, you will also sit on the Training and Development committee and discuss the training of Staff of CECS. You may become as involved as you wish and run other events during the term to further SAC's goals. As always, the Vice President of Education of the Federation of Students will attend meetings and be available for any SAC needs.

If you are interested in chairing SAC for either term, please forward a "volunteer resume" listing your past experiences in volunteer areas. Include any items that help to show your ability to manage a group of people, and to communicate effectively with many types of people. Also let us know why you would like to hold the position of Chairperson for this group. Be sure to include which term you would like to hold the Chair position.

Check out <http://watserv1.uwaterloo.ca/~fedsac> to see our web site. If you have any questions or wish to apply, please email [fedsac@watserv1.uwaterloo.ca](mailto:fedsac@watserv1.uwaterloo.ca) with your questions or application.

Tamara Chioreanu, Assistant Co-op Advisor  
For Arts, Accounting, and Mathematics

## lookAHEAD

mathNEWS	
October 10	Issue #2 coming right up!
October 20	Issue #3 production night 6:30pm, MathSoc (MC 3038)
October 24	Issue #3 plops on MC
Movie Nights	
October 16	<i>The English Patient</i> and <i>Shine</i> (Details inside)
MGC	
October 16	Oktoberfest Trip (See MGC article)
MEF	
October 14	Nominations for Funding Council close
October 23	Submissions for Proposals due
Miscellaneous	
October 13	Thanksgiving (Don't go to class!)
October 14	Turkey leftovers for dinner
October 15	Turkey leftovers for dinner
October 16	Turkey leftovers for dinner
October 17	Dammit! I want chicken tonight!



## Math Endowment Fund

\$20,000

That's how much money MEF has available to be spent this term. How we spend the money is entirely up to you, the students. If there is a project you think is worthy of being funded, you can submit your proposal to MEF by filling out one of the forms available on the MEF office door.

Once you submit a proposal it goes before the Funding Council, who decide whether or not the project will benefit the undergraduate students in the Faculty of Mathematics at Waterloo.

In the past, MEF has funded (in part or in whole):

- the purchase of two undergrad servers for MFCF
- the salaries of grad students to construct Algebra lab in MatLab
- partial funding for the Canadian Undergraduate Mathematics Conference
- improvements to the MGC grad school library
- improvements to the MathSoc exam bank
- partial funding for ASNA/ANEA conference

- the purchase of a PC and printer for the Accounting Students Association
- Classroom Management Workshop for the Teaching Students Association
- the purchase of ACTEX manuals for the ActSci Club

Get your proposals into the MEF office by Thursday, October 23, 1997. If you have any questions or concerns, just ask.

WWW: [www.undergrad.math.uwaterloo.ca/~mefcom](http://www.undergrad.math.uwaterloo.ca/~mefcom)

E-mail: [mefcom@undergrad.math.uwaterloo.ca](mailto:mefcom@undergrad.math.uwaterloo.ca)

Telephone: 885-1211, ext. 5757

Office: MC 4046, Hours: MW 12:30-2:30pm

Magdeleine Hidas  
MEF Director - Fall 1997

*It is at this point that the editors would like to remind everyone that \$20000 would be perfect for a big game of Plinko.*

## gradNEWS

What's new in the exciting world of MGC? I'm glad you asked. We have an Oktoberfest trip to Queensmount planned for October 16<sup>th</sup>. We have a bus booked to get us there and to take us home again. Tickets are on sale for \$10. There's only 40 tickets available, so you should hurry to make sure you get one.

The date for the Grad Ball has been set, so make sure you keep March 14<sup>th</sup> open in your schedule. Tickets will be on sale in the winter. Of course, we still need a theme. We'd like to have everyone's input on this, so please e-mail any themes you come up with to Chantal Bray ([cbray@undergrad.math](mailto:cbray@undergrad.math)).

Yearbooks will be on sale next week. So, if you want to know who the people at the reunion are when you come back in 20 years, you should buy one. Only 35 dollars, and hey, you know you want one. Of course, if you want to make sure there are pictures of you in the yearbook make sure you drop off your candid photos at the MGC office.

Speaking of yearbooks... Grad Blurbs were due on October 5<sup>th</sup>. Since lots of you still haven't sent them in yet, we're going to extend the deadline to Sunday October 12<sup>th</sup> at midnight. How do you do it? You can: 1) E-mail it to the MGC account, or 2) go to the MGC webpage and submit it there. Please don't write on a piece of paper and slide it under the MGC door because Bad Things™ could happen to it. (Eg: Green Men could sweep it up, or it could get lost.) Why submit a grad blurb? In years gone by people who didn't submit one have a random Prof Quote beside their name. Do you want that to be you?

Pizza Days are going great, make sure you come by and buy some pizza. The profits go towards YOUR Grad Ball.

That's all for now. If you have any questions please e-mail me at [mgc@undergrad.math](mailto:mgc@undergrad.math).

Xavier Aburto



745-2222

### THREE ON THREE

3 MEDIUM  
PIZZAS  
LOADED WITH  
YOUR THREE  
FAVORITE  
TOPPINGS  
**MEDIUM**

**\$20<sup>99</sup>**  
+TAX

3 LARGE  
PIZZAS  
LOADED WITH  
YOUR THREE  
FAVORITE  
TOPPINGS  
**LARGE**

**\$25<sup>99</sup>**  
+TAX



PLEASE MENTION COUPON WHEN ORDERING AND REDEEM TO DRIVER. NO SUBSTITUTIONS, ADDITIONAL TOPPINGS EXTRA. NOT VALID WITH ANY OTHER COUPON OR OFFER. LIMITED DELIVERY AREA. DRIVERS CARRY LESS THAN \$20.00. LIMITED TIME OFFER.



## CSC Flash

Konichiwa!

Welcome to another term of fun and adventure (well, for me at least, since I'm on a work term while you are all in class). The executive for this term were chosen after the submission date for the last issue of *mathNEWS*, so, without further ado, here they are:

<b>President:</b>	Chris Rovers
<b>Vice President:</b>	Michael Van Biesbrouck
<b>Treasurer:</b>	Somsack Tsai
<b>Secretary:</b>	Matt Corks
<b>Sysadmin:</b>	Lennart Sorensen
<b>Librarian:</b>	Aaron Chmielowiec
<b>Office Manager:</b>	Devin Carless
<b>Flasher:</b>	Aaron Chmielowiec
<b>WWW:</b>	Dax Hutcheon & Aaron Chmielowiec

Now, once again, I employ you to join the CSC. For only \$2 a term, you can become one of the many proud members that have already joined. For that \$2, you get:

- access to our library of computer-related books and periodicals;
- granted the ability to get an account on the calum server;
- allowed to use the computers in the office;
- free access to help and consulting from knowledgeable CSC members almost 24 hours a day (some of you in CS 134 have already taken advantage of this fact);
- a funky membership card (sleek euro design); and
- allowed attendance at members-only events, such as SIGGRAPH Video Night at the beginning of the term.

We provide talks and tutorials on a variety of topics. For instance, we just recently completed our Unix 1 and Unix 2 tutorials for those who would like to acquire/improve your Unix skills. Coming up next week, we have a POVRAY talk on Wednesday, October 15<sup>th</sup>, and the next ACM programming contest on Saturday, October 18<sup>th</sup>.

Being librarian as well, I ask of you to peruse our library selection, and if there are any books you think the CSC should have, please let me know by either e-mailing me (e-mail: it isn't just a noun any more!) at [librarian@csclub.uwaterloo.ca](mailto:librarian@csclub.uwaterloo.ca) or by dropping a message off at the CSC.

For those of you who don't know where the CSC is, it can be found on the third floor of the MC in rooms 3036 and 3037 (right across the hall from MathSoc).

Next, the results from the first ACM programming contest are in. The top 5 competitors (by highest score) were:

Wing Hong Ho	(483)
Derek Kisman	(476)
Jeff Shute	(336)
Ian Prest	(326)
Ahilan Sinnarajah	(297)

Be sure to watch for the next ACM programming competition (Oct. 18<sup>th</sup>), where we will EXTERMINATE the U of T competitors.

I would like to comment on the bonus 1300K allocated to all of our math undergrad accounts. Woo-hoo! Apparently, this was due to the fact that the moved NFS server (hooke) have quotas imposed on them, and to make up for this, we get extra quota on our basic accounts. Nice.

Now, what's with those (fairly) new printer charges. Should we really be charged for code we submit electronically? I understand the cost involved in printing, but if we submit these assignments electronically, couldn't we get our results back the same way? (Note, this is just my personal opinion and does not necessarily reflect the opinions of the CSC.) That would certainly save time by not having to rifle through the entire class's assignments (including old ones) to find yours at the bottom, and EXTERMINATE the cost problem as well. Though, off the record, I use the same argument for cannibalism. After all, it reduces over-population AND world hunger at the same time.

Finally, I would like to say that, contrary to popular belief, we at the CSC ARE human beings. We are NOT zombies and our personal hygiene is ABOVE reproach. If you do have a legitimate complaint to make, then please make it to us directly! Nothing will be accomplished by going behind our backs and complaining. If you try anything foolish like that, we will EXTERMINATE you.

So, until next time, have a great term, and come out to see what WE have to offer the math community.

Calum T. Dalek  
<insert sinister laughter here>

## Student OktoberFest Night at the Twist N Hausen

As most of you know (and the rest of you will know) next week is Oktoberfest and as is tradition, MathSoc is organizing a trip out to one of the FestHallen. This year it's Twist N Hausen on Thursday October 16<sup>th</sup>. It's going to be a mixture of contemporary and traditional festing and has a capacity of 1200 people which makes for a rocking party every year. Tickets are \$8 which includes both tickets to the event and bus transportation to and from the hall (which by the way is a great deal). They can be purchased in the MathSoc office (MC 3038) so get your tickets now before they're all gone.



## profQUOTES

Student: "I was just wondering, if a directed graph is a digraph, and a directed path is a dipath, is a directed cycle a dicycle?"  
 Prof: (pauses) "Are there any OTHER questions?"

Koltov, C&amp;O 342

"Has anyone ever written a recursive program?... I guess that's like asking if the sun comes up in the morning."

George, CS 370

Prof: "...every PC today comes with a gigabyte of RAM..." (Time passes...) "...and of course, every PC today comes with a terabyte of RAM in it."

Student: "And just where do you BUY your PCs?"

Cormack, CS 241

"You just get the urge, do minimal checking, and just go do it. Worry about the consequences later."

Taylor, CS 454

"Hawaii has some special problems... geographically speaking."

Taylor, CS 454

"Is that a copy of *mathNEWS* I see back there? Well get rid of it! Eat it!"

Wainwright, MATH 237

"I had a great weekend. I spent half the weekend doing math, and the other half killing trees, so I'm feeling a little punchy this morning."

Wainwright, MATH 237

"If there's one thing computers and monkeys do well, it's extracting coefficients."

Irving, C&amp;O 230

"Give this to the monkey — let him play. Write that down, if nothing else than to get the word monkey into your C&O notes."

Irving C&amp;O 230

"My cat knows that this is  $\frac{1}{1-z}$ . I don't have a cat, but if I did, it would know that."

Irving, C&amp;O 230

"I don't know what the hell I was on when I wrote up some of these assignment questions. It was some of that bad Guatemalan hash; now that I'm on this great Puerto Rican hash, I'm thinking much more clearly."

Irving, C&amp;O 230

"I got to use the word whereas... that's pretty impressive."

Irving, C&amp;O 230

"I talk to myself all the time. Computers do too; that's how the electrons keep themselves amused."

Munro, CS 240

"At the time of the big bang, there was no matter, so having a piano then would be a bit tricky."

Munro, CS 240

"Those of you who aren't following what I'm saying... good for you!"

Sivaloganathan, AM 453

"The Kolmogorov-Schmirnov Test, which always makes me want to drink..."

G.Wilmot, ACTSCI 431

"Who earns the minimum wage? That's right... you poor bastards."

Ibbott, ECON 101

"This isn't calculus... its just another mathematical way of confusing you."

Goulden, MATH 135

"You can solve this proof through tact, guile, reasoning, and no use of calculus whatsoever."

Crippin, MATH 135

"Anyone here this morning awake?" (No response from class)  
 "...That's alright, neither am I."

Tomp, CS 134

(In response to a student who answered a question)

"I can't hear you because they're all laughing at you."

Cutler, STAT 443

## A Turkey of a Holiday

*Couldn't Hallowe'en Be Statutory Instead?*

Thanksgiving. I bet you'll spend as much time thanking farmers this weekend as you do appreciating Labour in early September and thinking about good old Mr. Simcoe that day back in August. Are you really going to be saying grace before you dig into your turkey meal at village this weekend (if you're not going

home). Ah, but you're probably going home, aren't you? You might be reading this as you travel back. Thought you could probably get at least a half hour entertainment out of *mathNEWS*, eh? Heh heh heh.

CasEd

## Mission: Intoxicate

Sounds kinda cool, huh? Well that's the theme I'm working with for this term's social events... drink, drink, drink, party, party, party. Hi, I'm the social director for MathSoc this term, and I'm probably going to get into a lot of trouble for endorsing getting drunk but hey, in my opinion, it's a hell of a lot of fun, and I'm obviously not the only one who thinks so. Now, I know that there is a certain stigma that goes along with MathSoc (and besides the fact that the social director is exempt from that). This is the first term where I've decided to fight that stigma head on. Guess what? MathSoc is run by different people every term, so those people that were involved in MathSoc way back when, and actually deserved to be shunned by everyone, are long gone now and the current volunteers are way, way, cooler. A large majority of us are trying to completely get rid of all that crazy political/constitutional stuff that goes on, but even if we haven't succeeded in annihilating it, we've at least cut it down to a bare minimum. Really, we are a bunch of student volunteers trying to make life here in the Math Faculty a little more enjoyable, a little more easy going, and a little better in general for the students, and we don't deserve to be snubbed by all you guys because of an opinion that you formed a long time ago. The people involved in MathSoc have changed, so MathSoc has changed, so why not at least be open to the idea of changing your opinion of us?

You could, for example, come out to one of the kickass social events that I'm planning for this term. As social director, I get to decide what to do with a certain portion of that \$10.50 student society fee that appeared on your tuition statement, and I've chosen to focus on bar nights. Before all of you non-drinkers start foaming at the mouth, I want to say that I am quite open to any and all other suggestions of events to run, but nobody has

bothered to give me any, so I'm going with my strengths. We also have a movie guy, who runs movie nights surprisingly enough, and we're going to have a coffee house sometime in the term as well (poetry readings, musicians/bands, monologues, singers and other cool stuff).

I'm going to start the term off with a trip to an Oktoberfest Fest Hall. Thursday October 16<sup>th</sup> is student night at Twist'N'Hausen, and we've got tickets available in the Mathsoc office (MC3038). Tickets for the night are \$8.00 and we're providing a free shuttle bus there and back so you don't have to worry about transportation. If you've never been festing, it's a blast, especially on student night, so come buy a ticket.

October 24 (read "two-four") is Math Pub Nite at the Bomber. There are going to be lots and lots of cool door prizes, free pool and fussball tourneys (with cool prizes), a dance contest (with cool prizes), a trivia contest that has to do with our way cool theme (with cool prizes) and a whole bunch of really cool mathies that actually drink, which is a prize in itself. The theme for our Pub Night (surprise, surprise) — Mission: Intoxicate. The trivia will test your knowledge of spy stuff and alcohol stuff so get as much study time in on both topics between now and Friday, October 24.

In November, I'm planning some joint road trips to bars with other faculties. For all of you boys out there, I know what you're thinking... are the trips going to be run with one of those faculties that has girls in it??? Don't worry, I'm working on it. I think that's about it for now, but if you have any feedback or suggestions about future social events, mail me at [social@mathsoc.uwaterloo.ca](mailto:social@mathsoc.uwaterloo.ca).

Cally Martin  
Social Director

## nobrocTOC

### Another Biweekly Update

Hello once again! Here's an update for everything that's happening with the NOBROC. For those new to campus, the NOBROC is a club just for undergraduate mathematics students who don't like broccoli. Although our mandate overlaps a bit with MathSoc, we do provide many special services for our members.

First off, we'll be having elections next week. Our previous chair has recently discovered that he didn't mind the taste of a certain green veggie and was forced to resign in a scandalous referendum. If you've been a member of the NOBROC for at least a year, you're eligible to be nominated for chair. Please drop off your nomination form at the NOBROC office.

Secondly, we have new T-Shirts in! They are available in white or light blue, and have ten "Surgeon General" warnings on them about the dangers of broccoli. Some of the warnings include "Broccoli is not addictive", "Broccoli can cause vomiting" and "Broccoli is the spawn of Satan".

Thirdly, there's been an ugly rumour going around that the C+D has been thinking about replacing the bagels with fresh, steamed broccoli. Naturally, NOBROC is opposed to this. Unfortunately, it's completely out of our hands, but if you feel as upset as us, please stop by our office and sign the petition.

Fourthly, some students have stopped by the NOBROC office lately and inquired about the existence of a club for undergrad math students who like broccoli. This really cheeses most of us off, so once and for all, here is the story of the broccoli clubs:

Once upon a time, there used to be only one club in the Faculty of Mathematics, BROC. It was for undergraduate math students who liked broccoli. Well, soon enough, the CS students wanted a club, and the teaching students wanted a club, and every little niche wanted a club. Just as the non-broccoli eaters in math got around to realizing that they should get a club, there wasn't any room left for them on the third floor. Rather than have their office on the sixth (shudder) floor, they staged an all-out war against the BROC. It was a gory sight; broccoli stems were everywhere. The BROC retreated and renamed themselves PMAMC&O, and the NOBROC contingent took over the office space. So, if you do happen to like broccoli, you know where to go now.

Please remember, we can't help you unless we know about you. So if you don't like broccoli and you're an undergrad math student, please stop by our office in MC 3094, or email me at [csevern@undergrad.math](mailto:csevern@undergrad.math).

NOBROC Vice-Chair CasEd



## A Look at a New Ontario License Plate Catalogue

Those who make a hobby out of reading license plates as they're driving along (which is *much* more entertaining than actually paying attention to traffic and road conditions, let me tell you) may have noticed that, earlier this year, Ontario ran out of license plates.

The solution that the Ministry of Transportation came up with? They introduced a new type of license plate, one with four letters and three numbers. Yes, license plates in Ontario can now feature four-letter words — not wholly inappropriate given our provincial government.

Was this a good solution? Will it continue to serve us as well as the old system? Are there any pitfalls or potential fatalities inherent in the new system? I have no clue.

I *do* know one thing: some lucky people are going to get to put the following plates on their Beetles, Pacers, and Gremlins. Order from their catalogue early; limited edition plates like these won't last forever.

- The special terrorist in your life will be tickled to death when he or she receives the license plate revealing her or his most secret fantasy: BOMB 747. Comes with optional fake Canadian passport.
- Slushies, Mr. Misty's, Sno-Kones — upset by the sheer number and volume of cheap Slurpee™ knock-offs on the market? Proudly declare your devotion to the original syrup-and-crushed-ice beverage with ILUV 711. This offer is open 24 hours a day!
- For your eyes only! Be shaken, not stirred, by this little British number — BOND 007 — from Russia with love! This is a license plate to kill, whether on Her Majesty's Secret Service or on a Honda Civic!
- Are you being followed? Can you be certain that you're not? With the rising number of stalkings and drive-by shootings in North America, can you afford the risk? Well, fret no more! Safety can be yours with one simple license plate: CALL 911. (Cell phone not included.)
- The Marv Albert commemorative plate: SEXY 069.
- Proud of being in Waterloo Math? Aren't we all? And isn't it disappointing that we can get Laurier's crest on a license plate, but not Waterloo's? Now you need feel inferior to the high school down the road no longer! Simply announce your pride with one of the following plates depicting UW Math students' common heritage:

MATH 135	For classic cars.
MATH 136, MATH 235	For cars that just get you from Point A to Point B.
MATH 137, MATH 138 MATH 237	For cars integral to your routine.
STAT 230, STAT 231	For cars you don't particularly like.

- The mark of the license plate of the beast: EVIL 666.

Mike "License to Hammer" Hammond

## Happy, Happy Dance Music Report

### Spice Girls

Whoa, have you seen the amazing new Spice Girls video "Spice Up Your Life"... cha-ching!!! Once again the stunning vocals by the girls go to prove that the Spice Girls are better than any other British act. (i.e. Oasis, Blur, but Blur is close.) Anyways, here are the results from the survey from my last article.

The winner is.....Scary Spice. Yay!!! Woo-hoo!!! The total votes were:

- Ginger Spice: 1 (Thanks George for voting)
- Scary Spice: 2 (Thanks Alison for voting)

And to think I only voted once. What a sad, sad turnout. What's wrong? [*You didn't promise anonymity to voters — CasEd.*] Doesn't anybody enjoy the Spice Girls' high-class entertainment?

On to a more pressing issue — I lied. There will be no survey about the Backstreet Boys, as we already know the blond one is the cutest. Anyway, to even more pressing issues...

### AQUA

What's up with Mattel suing Aqua over the song "Barbie Girl." I mean, it's an instant classic; just listen to the lyrics: "Life in plastic, it's fantastic." Man, that group has talent. So this week's survey is gonna ask who's your favourite member of Aqua. Here's the lowdown on the group.

- Lene - Lead Singer in the song Barbie Girl. Also the only female in the group. Has a very high voice.
- Rene - Bald guy with strips of hair on the sides of his head. Keeps singing "Come on Barbie, let's go party". Another classic line.
- Claus - The keyboardist with spiffy red hair. Not seen a lot in the video, but there's a good shot of him in the beginning when the entire band is introduced.
- Soren - The percussionist/drummer. This blond with crazy spikey hair, (which I may demonstrate on Friday) also does most of the sequencing along with Claus.
- The Horse - Hey, there's a horse in the video.

Anyway, I hope to get more than two votes this time, so pick up your *you know what's* and vote in that BLACK BOX thing across from the comfy lounge. Maybe next issue we could do Guns and Roses...

Peter Lizak

### ultraCLASSIFIEDS

Pick it up you pansy-ass motherfucker.

What you want, we don't got  
So get the hell out.

## mastHEAD

Listening for a moooo

Boy, it was sure nice to listen to Disney music while we put together this issue. I wonder where *mathNEWS* fits into the Circle of Life.

And wasn't it nice of the profs to schedule CS 240, CS 241, and CS 370 assignments all on the first 72 hours of this week, the same 72 hours that I usually spend working on *mathNEWS*. I guess we know where our priorities are.

This issue was originally going to be Thanksgiving themed. But nobody wrote anything (good) about Thanksgiving, so that idea died. Then we wanted to do an explosive-theme issue. But then the cover artists decided that it would be easier to draw a cow than a big fireball. Go figure. Instead of doing a cow-themed issue, we're just declaring this a big steaming bowl of *mathNEWS* goodness.

After taking attendance last Monday, we found the following people helping out on this issue of *mathNEWS*. Here they are along with their favourite use of a fake Canadian passport: Peter Lizak (Drink, I'm only 18!), Scott Atkins (Sell it to Republic of Texas members), Mike Hammond (Get past fake Customs agents at fake borders of fake countries), Anton Fedorenko (Taking CS notes on), Greg Taylor (I didn't even know they played sports in the PAS), Michael Thorsley (Hurl it at my enemies... the death by a thousand paper cuts), Lara Thompson (Pretend to be a man and see how many women I can pick up), Dan Pollock (Cheese! Lots of cheese!), Ann Scea (I could tell you, but then I'd have to kill you), John Swan (Notebook for my Russian course).

Thanks goes to Domino's Pizza for their wonderful pizza and to Marion at Graphic Services...

Brian Fox (Easy passage across the border while wearing a big-ass sombrero)  
Chadwick Severn (Visit Quebec)

D	A	R	T	S		P	S	Y	C	H		C	C	R	
A	D	I	E	U		E	N	A	M		S	L	O	E	
N	O	M	A	D		I	O	R		K	A	U	A	I	
				D		G	O	D	L	I	N	E	S	S	
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## Rain

Rain, rain, please return,

Please soak the grass and trees,  
In your green and moist leaves,  
Please douse all my sorrows,  
So I won't have to swallow.

Long time ago when I was young,  
I wished for you to make it bright,  
Though I was never understood,  
You followed me as well as you could.

I'm older now, but not wiser,  
And yearn for you with every fibre.  
I love your feel, and your arrival,  
Your stay... My love there's no denial.

Someday when we will meet again,  
You'll smile to me like to a friend,  
I'll sit beneath your streaming tears,  
And all my fears will disappear.

Always remember I love you,  
I'll always know this, will you?  
I am but one, and you are me,  
You are my sun, sunshine devour me...

Anton Fedorenko

## gridCOMMENTS

Well, you might have noticed the **lack** of *gridCOMMENTS* in the last issue of *mathNEWS*. You might have also noticed the lack of *gridCOMMENTS* in the last edition of *The Globe and Mail*. But that's not important right now. We have *gridCOMMENTS* for you for this issue, and that is all that matters.

We have 6 submissions for the first *gridWORD* of the term. They came from Chris Edwards & Krista Chester; Hercules, Xena and Sinbad; Chris Wooff; Ian "The Word Guy" Facey; Jerome Lediard and Jean-Guy! Since all the entries were perfect, there was a random draw to choose a winner. And that winner is Chris Edwards & Krista Chester! Congrats and stop by the MathSoc office anytime to pick up your prize.

For the rest of you, don't despair! There will be a participation prize at the end of the term for those who have shown *gridWORD* submission loyalty. So keep trying and you might be the recipient of dumb luck.

And now, *gridWORD*#2... which was just like the last one. Submissions can be made to [bcfox@undergrad.math](mailto:bcfox@undergrad.math), the BLACK BOX outside the Comfy Lounge or to the *mathNEWS* editors directly (if you can find us). Deadline is Monday, October 20<sup>th</sup> at 6:30pm.

Latrell "GridBoy" Fox



# U(W) Undergraduate Calendar

Excerpt from page 666:  
Faculty of Applied Bureaucracy

The Faculty of Applied Bureaucracy consists of the Departments of Applied Idiocy, Recombination and Flatulization, Declination Engineering, and Politically Correct Ass-Kissing. The degree Bachelor of Applied Bureaucracy (BlAB) is awarded upon successful completion of the four-year General, and three year Honours programs. Students who successfully complete degree requirements in two years, may apply for early admission to the Master of Bureaucracy program (MaBy).

The Doctor of Implied Bureaucracy (PhIB) program is offered in alternating centuries starting the next astrological age. A PhIB degree can also be awarded by successful bribery of the Dean of the Faculty of Bureaucracy, who is indefinitely on a training exercise in Tahiti. Detailed information on these programs is available in whatever handbook you are not currently reading.

## Admissions

Admissions requirements and all procedures, monetary supplements, and animal sacrifices are described on pages A through 23, and XVI through  $e^2$  in the "Cafeteria Rules and Regulations" section of the handbook you lost last week.

Most students are admitted directly from Secondary School. However, the 32<sup>nd</sup> sub-board of the committee's council may review and reject those applicants who's score on the Bureaucracy Admissions Test (BAT) was too high above the average. Applicants from other departments of the University should never bother applying. Applicants who have been away from formal education for at least ten years will be automatically admitted to the BlAB program, whether they applied or not, and after successful review by the Under-Registrar's board of Councillors<sup>1</sup>

## Academic Programs

### Co-op vs. Regular

Most of the Faculty's programs are unavailable in both the Regular (Conventional June to July Academic year) and Co-operative (alternating four-year academic, work, and medical testing terms) systems of study. Programs that are offered only for Co-op students are not indicated in any printed material.

## Departmental Honours programs

The faculty offers the following Honours programs through the four departments.

- Statistical Abuse and Misrepresentation<sup>2</sup>
- Bribery Science
- Document Hiding
- Excuse Engineering<sup>2</sup>
- Memo Giving<sup>2</sup>
- Useless Committee Creation

## Faculty Policies

All degree requirements listed above do not apply to people who have read them. Last date modified is unknown. Have a nice day.

Scott Atkins

1 Due to self-imposed financial cutbacks to finance self-imposed wage increases, the Under-Registrar's board of Councillors is experiencing a fifty-three year backlog. We will consider apologizing for this inconvenience once the board has voted on the idea.

2 Programs are currently in the medical testing terms.

3 There isn't really a number 3. This is just a warning from the editors that you may want to turn the page right now, before you read any further.

## General l'Hopital

*you were warned...*

"He's had some improbable reaction!" Dr. Waterson realized. "Send out copies of his history charts, STAT!!"

The on-duty med, Ian, blinked out of his reverie. "Which means - do I Gauss at the distribution?" he asked.

The doctor turned from her patient patiently. "Good gravy, don't be a turkey," she admonished. "You don't need to Gauss, just be Normal."

Ian stopped yammering and rushed out of room 230 as Mr. Venn came in. "I heard about the mode blue... are we covered this time?" he wondered.

"No, this isn't a front page issue, it's small potatoes," came the reply.

"Let's give thanks for that," Venn sighed. "But we should keep such random events discrete or the press may gobble them up."

Dr. Waterson frowned. "You're not stuffing this into the same category as the others?"

"No...and that decision is unconditional," Venn affirmed. "We can't get pie-eyed over this."

"But this time it was because the orderly brought by no meal..."

"No meal distribution?" Venn paused. "Well, run a uniform check," he relented. Dr. Waterson nodded. She hoped the events weren't independent. Even if it sounded corny, cobbled together.

Meanwhile, elsewhere, Sir Vay was getting upset. "I won't be a target!" he stated.

"But what you knit was not a tribute," Max noted. "Your very ability -"

"No! I won't take the fall," Vay cut in coldly, squashing any further conversation. Max sighed - he knew when he was whipped. But this was still a Sir Vay error...that could drive people out of their gourd. He had to do something before full punishment could be meted out...

*To be...or not to be*

Greg "hologrami" Taylor

## All Things Fall

Ah... October...

I love fall, I seriously do. The smells of barbecue and those certain members of the CSC. I enjoy Thanksgiving and Hallowe'en. As always when October rolls around, so does the fall Leaf blowing. And I don't mean the pretty yellow and red ones! I mean those pathetic blue ones!

Oh give me a team,  
Like a bumbling beam,  
Where the management is really bad!

Where seldom is heard,  
An intelligent word,  
And future is murky and worse!

This is the team that no self-respecting general manager would come to. This is the team that had no first or second round draft picks, and even though they had a lot of really old players they decided that they would buy some more old and useless players and pay them a ton of money. This is the management who for some reason decided that a team of enforcers who cannot score to save their lives will sell better to fans who buy out every ticket they can get their hands on anyway.

But the problem is not only on the shoulders of management and players. It also lies with us, the fans. We buy out every ticket in Maple Leaf Gardens and give the owners enough profit to continue doing whatever it is they are doing right now. As soon as the fans realize that the LEAFS SUCK and have no hope, they should stop buying tickets. As soon as the public stops buying tickets to games, the management will (hopefully) realize the error in their ways and start doing something about the teams and not trying to build hotels near some new hockey arenas. I am starting a boycott of Leaf games; I will not watch them on TV or in person until they improve. From now on my opinion on the Toronto sports scene will go like this:

1. Some hick: So, how 'bout 'dem Argos?  
Me: I'm sorry, what are you talking about?
2. Some hick: So, how 'bout 'dem Jays?  
Me: Pleasepleaseplease next year or I will be writing the same rant article about them.
3. Some hick: So, how 'bout 'dem Dinos?  
Me: GOOOOOO RA-AAAAA-AAPTORS!!!!!!!!!!!!!!
4. Some hick: So, how 'bout 'dem Leafs?  
Me: I'm sorry, you must think that I'm from Toronto. Well, I'm sorry, I'm from Ottawa, and I must say the Senators rock!

Anton Fedorenko, poet dude

*[Editor's note: Just because management screwed up and made the team worse, boycotting games isn't going to help. As a fan, just going to the game and soaking up the atmosphere is enough for me. Sure I'm pissed if they aren't doing well. But as fans, you have to support your team through thick and thin. Being a bandwagon jumper isn't a solution. — LatrelleD.]*

## Bombs on My Mind

The monotone chatter droned behind the young froshling's thoughts and plans. Epsilons and deltas, continuity, differentiability, the limit of GCD to QED. None of these mattered, for he had a PLAN.

At first, the PLAN was merely an impression of a thought, like a word on the tip of the tongue, waiting to be spoken, to come alive, but as yet a mere foreshadowing of foreshadowing. He toyed with the impression, felt it, cherished it, clung to it. It was his source of tolerance to the everyday simplifications of complexities that exhilarated him to boredom. An outsider may comment that he forced the transition from impression to thought, from thought to reality, but in his mind, he knew all along what he had to do. There was no real reason for his plans, no compelling motive to arouse sympathy and disgust and to make him human for you, for himself. When he first realized what mass destruction and cold brutality he had conceived, he shuddered at his own malice.

He researched half-heartedly at first, and nearly gave up for all the discouragement he met. Not only was the prime ingredient of a rare element, but of an isotope of only 1% of the naturally occurring ore, with little or no hope of him being able to isolate it to a purity to compare with his goal. But on a short-cut through the Earth Sciences and Chemistry building on his way to his Calculus lecture in EL, he spotted the prized element, U-235 at 20% purity, sitting unattended on the shelf of one of the many chemistry labs of the building.

Normally, he would have moral problems with stealing, but in view of the higher good, he felt it would be wrong not to take the uranium.

His village room was transformed into the room of the eccentric madman, the sorcerer in a world that no longer believes in sorcery. Taking care not to spoil his prized possession, he procured the necessary ingredients to carry out the purification.

He first poured concentrated hydrofluoric acid into his uranium oxide, converting it to uranium tetrafluoride. He then bubbled fluorine gas through his liquid, capturing the escaping uranium tetrafluoride gas. With a bicycle pump he pressurised the gas into a liquid, which he put in a bucket to spin about him with a six foot rope for an hour, to separate the useless heavier U-238 from his gold. He mixed calcium with his creamed off U-235 to convert it back to metal. From here, his plan began to control him; he had no choice but to continue.

He battered the ten pounds of uranium into two stainless steel bowls, making especially certain to keep each of the five pounds separate. He then placed these inside an old vacuum cleaner, separated by several inches, duct taped into place. He then molded some C4 around the outside of the bowls, and attached a radio-controlled detonator. He had built his atomic bomb.

In these few weeks that he had sweated over his project, coming to believe he truly would detonate it, killing thousands, he finally felt he had lived, he had created. He felt alive. He planted his vacuum casing in the basement of the MC, and carried the remote with him wherever he went, along with the power it gave him. And as he sits in class, being lectured to by professors ignorant of their students existence, projecting their superiority over the masses, he sat smugly with his finger poised and ready.

Lara Thompson



## Things to do in Toronto When You're Tired

### *Have a Pink Tie Day at Work*

I'm working at a company that has quite a few full timers who are Waterloo graduates. Even more to the point, a lot of them are math graduates. Now, normally this isn't anything special. After all, the math faculty has been around for quite some time — all those graduates have to go somewhere. But it's rare when you find yourself sitting at your desk on a Friday afternoon when one of the guys in your department comes up and tells you that he's arbitrarily decided that Monday is pink tie day. Such was the situation I found myself in last Friday.

Well ok, wearing my pink tie to work isn't something I'm willing to do every day (or once a week, or once a month, or probably not much more than once a year) but what the hey, as long as I won't be alone in doing it and can rely on the protective forces of the herd (all two of us), I figured why not. So Monday morning I put on my tie and headed off to work on the subway.

Now perhaps taking the subway to work wearing a pink tie is a tad odd, but I didn't really expect the type of welcome that I got. After all, I'm wearing a shirt and tie just like every other shmoe who takes the subway into work in the morning, and besides, this is the TTC, where learning to stare at absolutely nothing during your trip is more than just a life skill, it's an art form. But lo and behold, as soon as that gleaming pink tie breached the doors to the subway car, a few heads snapped up, looked away, snapped back, looked away, snapped back...

I got on the subway car and was standing directly opposite a bunch of kids, perhaps about 12 years old, who were thoroughly amused as soon as they saw my tie. It was great; they were all too shy to say anything, but they kept on staring at it until somebody nudged them and they quickly turned away (all except for one kid, of course, who just sort of let that jaw drop and

turned on the drool as she stood there. I was almost tempted to start moving the tie around and tell her she should quack like a chicken).

After I get into work I don't particularly make any overt moves to show off my tie, but I do attempt to find my tie-wearing compatriot, Ron. What happened to us is as follows:

- My desk is slightly removed from the rest of my department, and I sit right beside where Ron used to sit. He was offered his old desk for the day by our manager.
- There was a team meeting called with everybody in attendance except Ron and I. It was a brainstorming session for ideas on what to do with us for the day.
- Ron had thoughtfully brought all of his pink ties (he has three in his collection) so we began distributing them about the office to other Math graduates. Many put them on, but few kept them on ("They're just so *constraining*.")
- A tie was stolen ("given to") by somebody who proceeded to put it on and prance about the office proclaiming he was "part of the club now."
- Random people in the hallways congratulated me on supporting such a noble cause as breast cancer, or commented on the fact that they didn't know I was gay (I'm not, and I'm not entirely sure how a pink tie is equated with being gay, but hey, run with it)

Wear a pink tie into work and have your department plot against you — it's all the rage. And I bet you thought they only saw the light of day during frosh week.

Max Stevens

## I'll Have The Special

### *But that was my mother's piano...*

Yes! My biweekly bitch column has returned due to the fact that a) I have been silent for too long and b) we needed to fill half a page.

Okay... I admit it. I too have no clue what the cover is about. So don't come up to me in the halls, or poke your head into the *mathNEWS* office asking "Brian, what's the deal with the cover?" because I'm just going to give you a blank look and go back to drinking my coffee. But I would like to say that the staff of *mathNEWS* does not advocate the throwing of cows or any other types of livestock from the top of the Math building (regardless of how good your excuse is).

- Is it wabbit season or duck season? Neither! It's construction season. Wow. Interlocking brick. Very nice.
- For the record, I would like to say that I hate Matlab. And from first impressions, it seems that it hates me as well.
- And now, sports. It was great to see the Warriors football team get a win last weekend against Western after that unfortunate two-game losing streak. Hopefully this will carry over into tomorrow's game against Mac. That's if Mac decides to field a half-decent team. Wait! I should give them some credit. They did beat Windsor.

Trying to get excited about the baseball playoffs. However, I

don't care about any of the teams left. Maybe Florida. But certainly not Atlanta and Baltimore. Well, there's always the Leafs on TV. Hmm. Well, there's always football on TV. Go Bills! (They're 3-2, ya know.)

- For those of you who have cable, you are probably aware that you are about to be barraged with a slew of new channels. "Whoopee" I hear you saying. After reading about what new channels we're getting about a month ago, I must say I'm none too excited. TeleToon and Space are probably the only two I give a damn about. The rest just seem to be a waste of bandwidth. We're also getting The Golf Channel. As much as I like golf, the anticipation of being able to watch it 24 hours a day just doesn't excite me.
- I would just like clear up something I said above. Earlier in this issue, I did say that I was Leafs fan and I should support the team through thick and thin, good times and bad. Now, I will watch the Leafs on TV, but if things start getting ugly or boring after awhile, I will change the channel. C'mon... there's only so much one can take.

Well, there ya go. Half a page and probably 5-10 minutes of life gone forever. Till next time...

Brian "Calculus Cowboy" Fox

## Spermatikos Logos #2

Okay, thanks to everyone who submitted to last issue's puzzle. The full solution is as follows:

Person	Role Played	Cards Held
Ana	Professor Plum	Ms. Scarlet, Hall, Dining Room
Benny	Colonel Mustard	Mrs. Peacock, Billiard Room, lead pipe
Craig	Mr. Green	Mrs. White, rope, wrench
Diane	Mrs. Peacock	Colonel Mustard, Study, Ballroom
Elaine	Mrs. White	revolver, Kitchen, Lounge
Fred	Ms. Scarlet	Professor Plum, Conservatory, knife

**Murderer:** Mr. Green in the Library with the candlestick.

Here are the results: submitting with a bunch of mistakes was Tanya Thorvardson, Greg Larsen rang in with one error (oops!), and submitting perfect papers were Richard Wallace, Jon M. Savoie, Laurie Knox, Ian Prest, Christopher Ingram, Athan Spiros, Chris Wooff, Greg "Hologrami" Taylor, and the Royal Recreational Lemming Society of Canada. The winner by random draw is <insert drumroll here> ... the Royal Recreational Lemming Society of Canada. Pick up your prize in the MathSoc office. Since you all did so well on the last one, I have spiced up the difficulty level a bit for this one. Good luck.

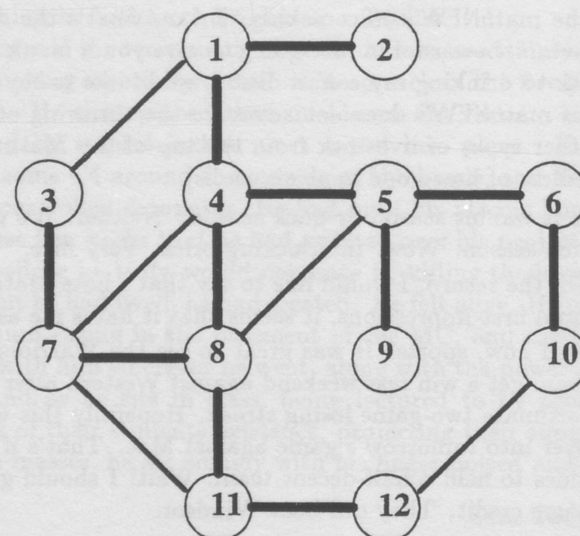
Rube Miller, the PCSC's most famous and most elusive member is very fond of creating computer games. One of the items on file in the PCSC computer system is the first computer game Rube ever wrote, "The Caverns of Terror" (written for the VIC 20), which he wrote while he was a student at U(W). Caverns is a role playing game in which the player is dumped into a system of 12 caverns (shown below), each bearing a different name relating to the colour of the walls. The caverns contain five terrible demons: Yoda, Lord of Real Time; Doron, King of Engineers; Needles, Minion of Hell; Endless Bureaucratic Bullshit; and Sunday Night Dinner at Village. Each of these five demons can be defeated using an item found in the caverns: caffeine pills, .5 beer, a backpack full of dynamite, earplugs and a stomach pump (respectively). Each one of the caverns contains either an item, a demon, the start or the exit. The name of the game is to find your way from the start to the exit, killing all monsters along the way, in the least possible number of moves. Sounds simple right? Unfortunately, nothing is simple with Rube Miller. Can you use the clues and diagram below to construct a map of the caverns including the location, colour and contents of each room and as a bonus discover the correct solution to the game?

1. From one cavern, four different passages lead to Yoda's cavern, Dinner's cavern and the Crimson and Deep Purple caverns.
2. There is no passage connecting the Alabaster cavern to the cavern containing the stomach pump.
3. The Electric Yellow cavern is somewhere due south of the Khaki chamber.
4. There is a route from the start caverns to the caffeine pills that passes through no more than two other caverns.

5. There is no passage connecting the Deep Purple cavern to Yoda's cavern.
6. There is a passage connecting the Fluorescent Pink cavern to Doron's cavern.
7. The Hellfire Orange cavern is the cavern immediately due north of the one containing the stomach pump, but no passage connects them.
8. There is no passage between the caverns connecting the caffeine pills to the Dinner Demon.
9. It is possible to get from the Jailbird Striped cavern to the Indigo cavern without passing through more than one other cavern.
10. Two passages from the Bullshit Beast's cavern lead to the Greenish-Brown cavern and the cavern containing the dynamite.
11. To get from the Jailbird Striped cavern to Doron you must pass through at least four other caverns.
12. The cavern containing the earplugs is somewhere due east of Needles' cavern.
13. If you walk along the passages in a perfectly straight line from the Alabaster cavern to the Indigo cavern, you pass through exactly one cavern along the way, the one containing the .5 beer.
14. There isn't any passage connecting the start cavern to the Crimson cavern.
15. The Burgundy cavern is the one immediately due west of the Lavender cavern, but no passage connects them.

Good luck! Submissions can be stuffed in the BLACK BOX outside the Comfy Lounge or emailed to [rjstewar@undergrad.math](mailto:rjstewar@undergrad.math) by Monday, October 20 at 6:30pm.

Robin "Warrior of Virtue" Stewart





## mathNEWSquiz #2

*So much for unbridled optimism!*

Top of the morning to all you mathies (and engineers) who are unlucky enough to be at an 8:30 class. It is great that you have good taste in choosing mathNEWS as your very own distraction from the continuous bombardment of theorems and such. However, there is something that has disturbed me, and no, it is not STAT 450. The item that has irked me is the fact that the first squiz has only received three submissions as of 4:30. Only three! Unbelievable!

Anyhow, here are the solutions to the first Squiz: **Song Lyrics:** 1) "If Only You Could See" - Tonic; 2) "Big Bang Baby" - Stone Temple Pilots; 3) "Cold Contagious" - Bush; 4) "Don't Damn Me" - Guns 'N' Roses; **Capital Cities of the World:** 1) Bangui; 2) Tashkent; 3) Suva; 4) Antananarivo; 5) Skopje; **Britcoms:** 1) Le Chateau Anglais; 2) Onslow, Daisy and Rose; 3) Lochdubh; 4) Betty Slocombe (although in some episodes, she has also been called Mary, Elizabeth, Jennifer, Rachel and Yiddel Abergavenny) and Shirley Brahms; 5) West Yorkshire; **And for those who don't like Britcoms, there's Sport!:** 1) Nit-tany Lions; 2) Victoria Shamrocks; 3) David Poile; 4) Greenock Morton (Bonus: Glasgow Rangers).

The three submitters of the first Squiz are as follows: Stuart Pollock with eleven points (and thank you for the spelling error you noticed in the first Squiz), Jason Smulevitch scoring seventeen points and the Royal Recreational Lemming Society of Canada making an impressive showing with twenty points. This means that the winners of Squiz #1 is the **The Royal Recreational Lemming Society of Canada!** Congratulations to all submitters and keep submitting. As for the rest of you ...

### *Song Lyrics*

*Name the song and the artist*

1. Tarzan was king of the jungle  
And lord over all the apes,  
But he could hardly string together  
Four words, "I Tarzan, You Jane."
2. So I walk up on high  
And I step to the edge  
To see my world below,  
And I laugh at myself  
As the tears roll down.
3. We're too young to fall asleep  
Too cynical to speak  
We are losing it, can't you tell?
4. My heart is very tender  
Though my parts are awful raw.  
You might have been infected,  
But you were never a bore.

### **Bier!**

1. What beer was named after the son of a president of the United States?
2. What is the slogan of Old Milwaukee?
3. The Zulu word for beer is what?
4. What brewery owns the Toronto Blue Jays?
5. St. Pauli Girl, a well-known beer from Germany, is named after a district in what city?

### *Business Today*

1. When was the Odense Steel shipyards found?
2. In 1972, what trading firm did the Swiss Bank Corporation merge with?
3. The first developer of automated teller machines was who?
4. Three of Israel's biggest banks are the Israeli Discount Bank, Bank Leumi and what other institution?
5. Where is the headquarters for Greyhound Lines Incorporated?

### *Movie Quotes*

*Name the movie*

1. "Did you come to make fun of me, too?"  
"No ma'am. The FBI has no sense of humour that we are aware of."
2. "Don't worry. Nobody dies in this story. They just get really big boo-boos."
3. "Lies, deceit, mixed messages... this is turning into a real marriage."
4. "We can do this the easy way or the hard way."  
"What's the hard way?"  
"It's harder. It's harder than the easy way. That's what I know."
5. "Can I ask you a question?"  
"What is it?"  
"It's an interrogative form of sentence used to test knowledge."

These questions are all that I have. Please make me happy and submit. Submissions can be made by one of three ways: either in the BLACK BOX, by e-mail to joswan@undergrad.math or in person. But remember, submissions must be made to me by **October 20, 1997 at 4:30pm... no exceptions whatsoever!** So happy "Squizzing" to you all and please submit. Don't make me beg; I just do not like doing it.

John "The Psuedo-Squiz Master" Swan  
Mike "Hammer" Hammond

## Not Coming Up In Future Issues of mathNEWS

- Articles on Spam
- Interview with Nelson Mandela
- 101 Uses For Splines
- Turkey Recipes
- Scratch & Sniff cover
- Coupons For Ant Poison
- Filler masquerading as an article

# GRIDWORD

1	2	3	4	5	6	7	8	9	10	11	12	13	
14				15				16					
17				18		19		20		21			
22				23		24				25			
				26					27				
28	29	30	31					32					
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54	55	56				57							
58				59				60		61	62	63	64
65				66			67	68					
69				70		71		72		73			
74										75			

## Grid Clues

### Across

- Vigoda and Lincoln
- Star Wars* character
- They search the skies (abbr.)
- Vomit
- Relating to sheep
- Necklace material
- State (not in English)
- Tied up
- Bodily organ
- Feminine singular
- Reputation
- Star Wars* big wig
- American tennis player
- Born (not in English)
- Hawaiian island
- Collection of terms (abbr.)
- Award
- Suffix meaning "full of"
- Weights
- Actor Gulagher
- Bush
- Action towards a goal
- Marked by ease and informality
- U.S. gun lobby (abbr.)
- Harden
- Star Wars* character
- Norse mythical hero
- Mahal
- It's in a water closet
- Lotto (Fr.)

- Section
- Jet
- Betel palm
- Hereditary property
- Irish political party (1<sup>st</sup> word)
- Star Wars* actor
- Malay law

### Down

- Snakes
- Warning sound
- And everyone else (2 wds.)
- Beget
- Star Wars* locale (abbr.)
- Big monkey
- Co-starring the Ewoks
- Sharp vibrating sound
- Script term
- Roads
- Basketball player Vlade
- Bowel procedure
- Russo and Descartes
- Used in walking
- Not yet an adult
- Horse sound
- Lion
- He's with Andy
- Wound
- Hungarian violinist
- Yes (not in English)
- Guitar guy Paul
- Sault — Marie
- 251, to Romans
- Part of the Arabic alphabet
- Oswald's killer
- Tap
- To remove an obstruction
- Woman's garment
- Larry Sanders (inits.)
- Leaf-cutting ant
- Halt
- D. Broncos' kicker
- Greek marketplace
- A vampire, for example
- Goes with scarum
- Casablanca* character
- Put to rest
- Sicilian resort
- Pavilion
- Mulberry of India
- Exclamation of pain, disgust, delight, surprise
- Cool rapper guy (1<sup>st</sup> two initials)