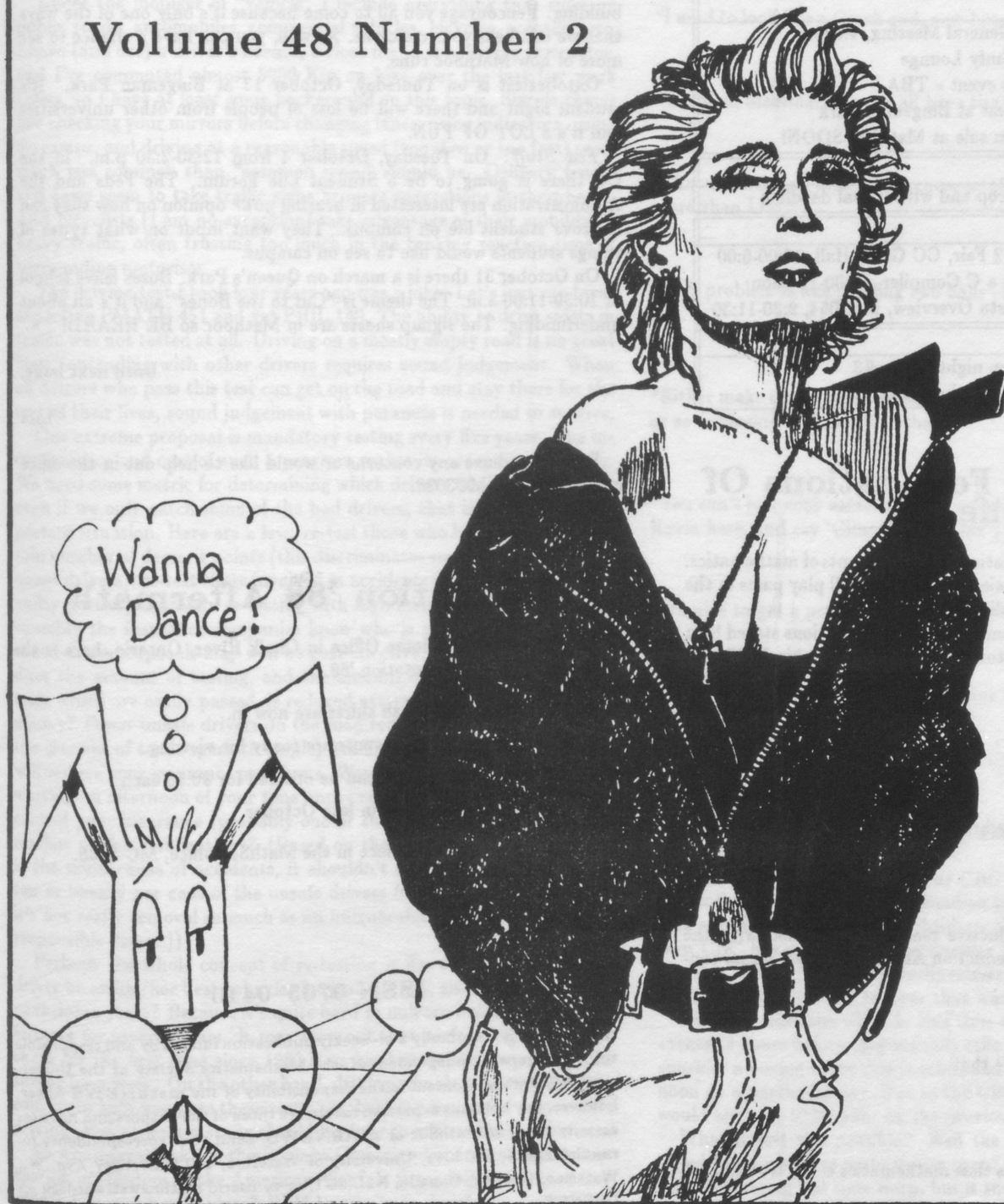


Your friend,

math **NEWS**

Friday September 30, 1988.

Volume 48 Number 2



In This Issue:
Fred the Math Bunny
Conan the C.A.
C & O Magic
Lester the Loony
The Olympics
Election News
Prof Quotes
And much more

Look Ahead

Cinema Gratis	
October 5	NO MOVIE
October 12	Acid Rain: Requiem or Recovery and Hope and Glory
Fed Flicks	
September 30	Moonstruck
October 7	Throw Momma From The Train
Co-op Reminders	
September 30	Want Ads available — Group II
October 3	Job Applications due — Group II
MathSoc	
October 5	Annual General Meeting, 4:30pm in the Comfy Lounge
October 6	FED Hall event - TBA
October 13	Oktoberfest at Bingeman Park Tickets on sale at MathSoc SOON!
Math Faculty	
October 7	Course drop and withdrawal deadline
DCS Courses	
October 5,6	IBM PS/2 Fair, CC Great Hall, 10:00-6:00
October 11	Choosing a C Compiler, 11:00-12 noon
October 13	SUN Wkstn Overview, MC2054, 9:30-11:30
mathNEWS	
October 3	production night, Issue #3
October 10	Issue #3 hits the bricks

Mathematical Foundations Of Life

As a C.A. I must base my foundations in the concepts of mathematics. Addition, Subtraction, Multiplication and Division all play parts in the organisation of the financial standings of corporations.

The basis for these concepts comes from the foundations stated by a world famous mathematician, Antonious Johann Lamprchio McFluglehorn Graaf:

- If A = Boy
- and B = Girl
- and C = Chaperon

then by the philosophy and simple brilliance of this famous mathematician we discover that:

- $A+B+C = 0$

HOWEVER, the brilliant deductive reasoning combined with the mental powers of mathematical deduction Antonious J.L.M. Graaf concluded that:

- $A+B-C = A/B$

Which in turn shows the evidence that:

- $A/B = X$

where X is a variable.

This final equation thus reveals that mathematics is the true essence and foundation of life.

Der Liebemeister



Prez Sez

Good morning all you math types! Now that you are (or should be) back into the school mode I can tell you about school type stuff.

MathSoc Stuff First: The annual general meeting is on Wednesday, October 5 at 4:30 p.m. in the comfy lounge on the 3rd floor of the Math building. I encourage you all to come because it's only one of the ways that we can hear your concerns. As well, you can have a chance to see more of how MathSoc runs.

Oktoberfest is on Thursday, October 13 at Bingeman Park. It's student night and there will be lots of people from other universities and it's a LOT OF FUN.

Fed Stuff: On Tuesday, October 4 from 12:30-2:30 p.m. in the CC there is going to be a Student Life Forum. The Feds and the Administration are interested in hearing *your* opinion on how they can improve student life on campus. They want input on what types of things students would like to see on campus.

On October 31 there is a march on Queen's Park. Buses leave school at 10:30-11:00 a.m. The theme is "Cut to the Bones" and it's all about underfunding. The signup sheets are in MathSoc so BE HEARD!

Until next issue,

Lisa

P.S. If you have any concerns or would like to help out in the office come see me in MC3038.

Orientation '88 Aftermath

Straight from the Home Office in Chalk River, Ontario, here is the latest news about Orientation '88.

- The replacement frosh shirts are now in.
- Photos of the week's events are ready for viewing.
- Reprints of the photos can be ordered for \$0.50 each.
- New ties will be ready in late October.

All of the above takes place in the MathSoc office, MC 3038.

ISSN 0705-0410

mathNEWS is normally a bi-weekly publication funded by and responsible to, but otherwise independent of, the Mathematics Society at the University of Waterloo. Content is the responsibility of the **mathNEWS** editor; however, any opinions expressed herein are those of the authors and not necessarily those of MathSoc or **mathNEWS**. Send your correspondence to: **mathNEWS**, MC3041, University of Waterloo, 200 University Ave. W., Waterloo, Ontario, Canada, N2L 3G1, or to userid mathnews@watcdsu on USENET.

Editor: John Thomas Vandelo

A Modest Proposal

Two years ago, you may recall Slash Sinatra writing an article in *mathNEWS*, whose main point seemed to be "Question Authority," but which used as its (ahem) vehicle the topic of drinking and driving. Many people responded to this by thoroughly denouncing D&D; certainly few articles in the last few years of *mathNEWS* have generated so much feedback (gridwords and quiche excepted). This piece will take a somewhat opposite tack.

The average user of personal transportation (in this country at least, more or less so in others) is too irresponsible. With freedom comes responsibility, and today the freedom of using a vehicle noticeably exceeds the responsibility shown by those with that freedom. I propose that licences for vehicles should be periodically re-examined.

Under the moniker of "vehicle" I include everything that rides on public roads: automobiles, commercial vehicles, bicycles, scooters, etc. I have (and use) a driver's licence, a close friend is a driving instructor, and I've commuted almost 5000 Km on bike over the last few work terms, so I have at least some background on this topic. Simple things like checking your mirrors before changing lanes, using indicators, using on-ramps, and driving at a reasonable speed (too slow or too fast) seem much less common than "common sense" should be. Delivery trucks and taxis seem to take traffic signs as mere suggestions in their haste. And bicyclists (I am no exception) take advantage of their mobility in heavy traffic, often trusting too much in the braking reaction time of surrounding motorists.

The driving test I took four years ago was a joke. Let's just say I was expecting PMATH 451 and got PHIL 140. The ability to drive safely in traffic was not tested at all. Driving on a mostly empty road is no great feat; contending with other drivers requires sound judgement. When all drivers who pass this test can get on the road and stay there for the rest of their lives, sound judgement with paranoia is needed to survive.

One extreme proposal is mandatory testing every five years. The inconvenience and cost of such a program makes its acceptance unlikely. We need some metric for determining which drivers need re-evaluation; even if we only catch some of the bad drivers, that is better than the present situation. Here are a few: re-test those who have used up a certain number of demerit points (this discriminates somewhat against frequent drivers); re-test those involved in accidents (both parties, or only guilty parties); correlate re-testing with high insurance premiums (presumably the insurance companies know who is at a high risk). These toned-down proposals may well be cost-effective: they substantially reduce the amount of testing, and the amount of "useless" testing, i.e. tests which are easily passed, is reduced extremely. How can they save money? Fewer unsafe drivers on the road reduce hospital costs, reduce the amount of taxes spent to employ traffic cops, and, most obviously, will reduce your insurance premiums. Would you tolerate the chance of wasting an afternoon of your time once every few years, to save 10 percent of your insurance (probably one or two hundred dollars for most readers of this publication)? (Based on the premise that driver error is the main cause of accidents, it shouldn't cost too much to remove ten or twenty per cent of the unsafe drivers from the road. (Actually, it's not really removal so much as an unignorable warning to become a responsible driver.))

Perhaps the whole concept of re-testing is flawed. Why couldn't a driver be on his/her best behavior for just one day, and a maniac for the next dozen years? Because it's quite hard to unlearn habits you've been forming for several years. It may turn out that performing a shoulder check for the first time since 1983 is as hard as quitting smoking cold turkey for a week. On the other hand, driving schools may start offering courses to help you pass these tests, emphasizing aspects of responsible driving. But at least a study should be done to answer these questions.

So whaddayathink? Is this a pinko Commie plan to remove the last bastion of freedom in the American Way? Is it too wimpy to have any effect? Got any better ideas? We'd love to hear them!

Center of Gravity

Prof Quotes

I don't know what it is this issue, but the profs have been coming up with some pretty lewd and sexually-oriented quotes. Well we here at *mathNEWS* are not afraid to print these off-colour comments (heck, it'll probably raise our circulation by a few thousand copies). So, without further gobbledygook, here's the quotes!

"The world is basically made up of vibrators."

P. Eastman, SCI 205

"I'm going to do this until I go blind."

P. Eastman, SCI 205

"I used to look like a Greek god, now I just look like a goddamn Greek."

B. Lawrence, MTHEL 100

"We're all mammals . . . we all have tits."

B. Lawrence, MTHEL 100

"I know I'm not an alcoholic because an alcoholic is someone who drinks more than I do."

B. Lawrence, MTHEL 100

"This problem is like juggling two balls . . . so I guess it's a male problem."

McGee, AM 260

"Either make the lecture so clear that the class won't ask any questions, or so confusing they won't bother."

B. Shadwick, MATH 230A

"You can't just copy someone else's assignment, come back to old uncle Kevin here, and say 'Gimme the A, big guy'."

K. Bittle, BUS 352W

"It's nice to get a proposition once in a while."

Anderson, MATH 134A

"If you don't know that one, go ask your Calculus prof for your money back."

Seigel, AM 481A

The Olympics

I really have to admit that the CBC has done a very good job on presenting the games to the Canadian public. (I'm not going to mention steroids, sprinters or weightlifters so don't look for it!) Our very own CBC has used modern technology to bring us as many events as possible. Among these new technologies are the split screen and most remarkable of all is the 14-hour time warp.

Just how does the CBC do this time warp that allows us to see the events 14 hours before they actually take place? For an example of this, consider a boxing event that is scheduled to take place in Seoul at 12:00 noon on a particular day. Due to the CBC's remarkable time warp, we would see it at 10:00 p.m. on the previous day.

What makes this possible? Well the CBC did mention something called "Sanozonol" to make things speed up. I'm not saying that this is what is creating this time warp, but it sure hasn't done anything about that Brian Williams guy.

Rex Goodbody

CSC FLASH

We are pleased to announce the election of the Computer Science Club executive for fall 1988:

President:	Gayla Boritz
Vice Pres:	Bill Wallace
Treasurer:	Edwin Hoogerbeets
Secretary:	Jim Thornton
Sys Admin:	Wade Richards

These people, along with every other involved CSC member, will be working hard to make this a term to remember. (If you are sober enough, that is...)

For those of you who are not familiar with the club, we want to briefly describe it, and encourage you to become a member. The Computer Science Club exists to promote computing interest and knowledge within the university community, through a variety of activities. Each term a number of meetings are held, focusing on computing topics of special interest. All students are invited to drop by the office for help with problems. In addition, our "consulting" office serves as a lounge breeding fascinating conversation on a broad range of topics from parallel processing to the correct amount of jam in a peanut butter and jam sandwich.

We also provide some more specific services and resources like a library of computer books and a Unix mini-computer with accounts that stay alive between school terms. Members from every faculty are welcomed. (An engineer was our President last term!) If you are at all interested, please visit us! (see information below)

Look forward to some exciting events this term! We are working now to arrange a showing of SIGGRAPH computer videos, and a lecture on cryptology. The annual Othello tournament is scheduled for November 12, and will be featured in the next CSC flash. Watch this space for further news as the term progresses. Also be on the lookout for posters announcing specific events.

Finally, a short note about how to contact the CSC.

Office:	MC3036 (usually open afternoons)
Phone:	extension 3870 from University switchboard
Email:	send to cscwatmath or execwatcsc

Believe It Or Not: Vi, everyone's favourite editor, has the power of a Turing Machine. If you don't know what a Turing Machine is, or you don't believe us, drop by the office and we'll show you.

Calum T. Dalek

Wanted - Dead or Alive

Last weekend, co-ops all over campus were frantically sifting through about two hundred pounds of newsprint, trying to find suitable jobs. In their haste, most of them did not notice the occasional little gem that slipped by the CECS typesetter. Here, then, are this term's recipients of the mathNEWS Want Ad Awards:

The 'Hotwire' Award: (University of Waterloo, Dean of Science Office - ANY - I,S): "The student must have, or find, a car." Honest officer, I just found it and I just happened to touch the ignition wires together, and...

Most Appealing: (Arrell Observation & Detention Home for Children - KI,RE - Any level): "The successful applicant will be a highly motivated self starter who can make good use of our gym, weight training, crafts, and social recreation facilities." And there's even more girls in Kin than in Math.

The 'Oh Boy' Award: (Atomic Energy of Canada - CS - I): "The student will use an IBM PC to retrieve data... and effectively display the differences between five or six key variables... qualitatively, numerically, and graphically." Don't you wish they'd been a little less specific?

The 'Tell It Like It Is' Award: (Cherniak Gottlieb & Co. - OP,AM,CS - J): "This is a junior level position which frankly will have a number of tedious low-level duties which must be performed... reception and telephone duties... typing and filing." We'd prefer it if they lied a bit (yech).

Scariest Job Title: (Ontario Hydro - PM,AM,CS - I): "Nuclear Materials Management." Successful applicants will be provided with a complimentary lead-lined three piece suit, of course.

Most Laconic: (PSC Canada - MA - Any level): "To develop applications on an Apple Macintosh computer in Hypercard, Fortran or C." 'Nuff said (???)

The Existentialist Award: (Bell-Northern Research - CS - Any level): "The system is being." Wow dude, like, I can groove this job. Like, narly.

Most Obscure: (PSC Canada - SA,BA - Any level): "Knowledge of computer." All this and a description that's about five characters longer than the one above.

The 'No Kidding' Award: (Memotec Data Inc. - CS,PM,AM - Any level): "Students considering this job should have prior knowledge of programming." I guess people who passed CS131 and 132 shouldn't apply.

Well, that's it for this term's Want Ads. Coming soon: Want Ads we'd like to see. Submit your favourites to the BLACK BOX.

The Cupid Stunt

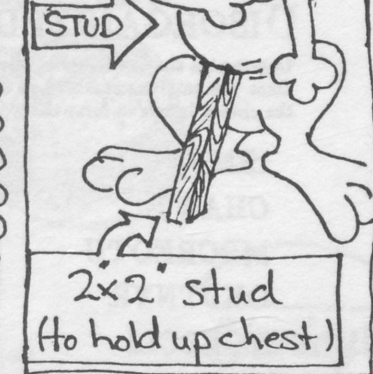
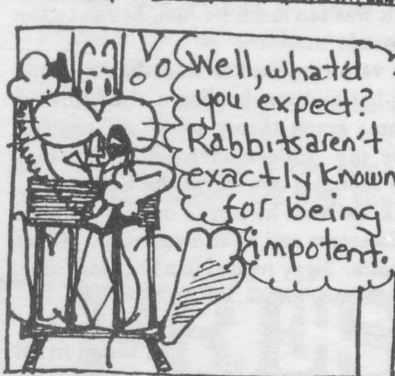
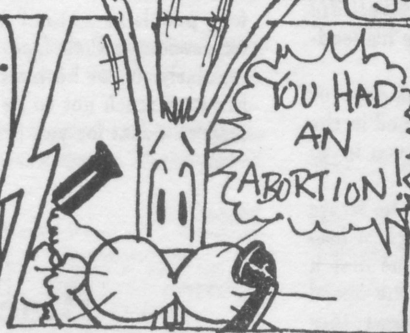
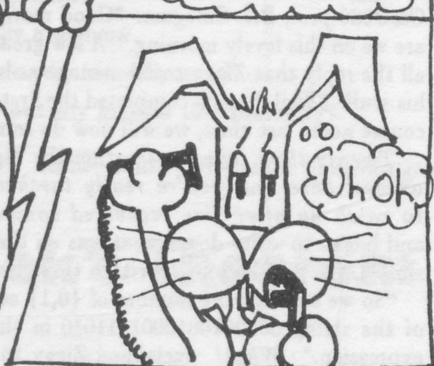


the slightly recursive return of Fred the Math Bunny

In our last episode of Fred, entitled, "Fred does Fed Hall", our hero (?) perhaps took the title a little too literally, and was picked up by Linda the 3A CS major (although I'm sure she'll deny it!).



Well, Linda the 3A CS major is now Linda the the 3B CS major, and Linda has a small problem (problems?) that is (are?) quickly becoming a much larger problem(s).



THE END Hymie 88

Didja Ever Wonder About

Combinatorics & Optimisation

Ziggy staggered slowly into his class, eyes barely open behind his dark glasses. He slumped down in his chair like so much wet cabbage and proceeded to lay his aching head on his backpack. *I should never have mixed Boilermakers and Jack Daniels on the rocks at Rock 'n' Roll night*, he thought painfully to himself. *Good thing this is the only class I have today. I'll just sleep through it and then head home and pass out.* Little did he know . . .

Ziggy was awakened by the obnoxiously cheery greetings of his C&O230 prof, B.J. Smegma. "Good morning class," he beamed, "how are we on this lovely morning." A low groan terminated by a cough was all the reply that Ziggy could manage as he lifted his head and got out his stuff. "Well, having completed the first twenty-three chapters of the course notes last class, we will now do some examples," said Smegma.

Twenty-three chapters! thought Ziggy. *Boy, skip one class around here and you're really torched!* Oh well, *I'll just have to catch up after I've recovered somewhat.* He opened his binder and began to write down what was on the board. So far it was pretty simple, the prof had only written three lines down.

"So we see that the number of $\{0,1\}$ sequences with no occurrences of the string 0010010010001111010 in them is exactly given by this expression." *What!* exclaimed Ziggy to himself, *he's only written down the question, one step, and the answer. How the hell did he get that!?* Just as Ziggy was about the attempt to raise his lead-filled hand, a girl in the second row beat him to it.

"Sir," she whined, "how did you get that result? Could you show us how you went from the second line to the third?" "It's explained in the notes," he said, "all except the actual derivation. That's for you to do as extra work. Now we'll do another."

This time, Ziggy paid much closer attention to Smegma as he wrote the question and answer down. "Now, if we partition the integer n into $k!$ parts, each of which adds up to the sum of squares of the first k digits of the Fibonacci sequence . . ." Then, Ziggy thought he heard Smegma say "Abraca-Pocus, walla-walla washington, eye of newt, toes of tadpole, bibbity-bobbity-boo" It was too much for him, he ran to the men's room holding his mouth closed.

When Ziggy got back, he was very surprised to find that Smegma had put on a black cape and top-hat and was holding a wand instead of chalk. "Now we will start some graph theory poofs, er, proofs," Smegma was saying. *It must be the Boilermakers*, Ziggy groaned inwardly as he tried to collect his thoughts and follow the lecture.

By the end of the class, Ziggy knew what he had to do. He marched like a Zombie straight out of the classroom and up to his advisor. "Can I help you," she said in a pleasant voice. Ziggy replied in a flat monotone, "I'd like to transfer into Political Science please."

The Cupid Stunt

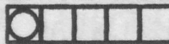
DISORGANIZED Definitions

Unscramble the five following disorganized words. Once you have unscrambled all the words, unscramble the circled letters to form the word defined below.

IRMFNUO



CHAWT



MPCREOTU



OKPTNYR



YCEBCLI



Definition: A valuable hint; a new or good idea; a notion; a device.



-Easy Ernie

An Oldie But Goodie

Some time ago an English lady looking for a house in Switzerland asked a local school master if he could recommend any. He took her to several places and, everything being settled and arranged, she decided to take one of them. However, it occurred to her upon arriving home in England that she had not noticed any water closet. She immediately wrote and asked if there was any W.C. in or near the house. The school master, on receiving the letter, was troubled, for his English was not so good, and he did not understand the abbreviation. Finally he asked a priest to help him. At last they concluded that she must have meant a wayside chapel or stopping place of worship, so he wrote "I have the greatest pleasure of informing you that the W.C. is situated 9 miles from the house in the centre of a grove of pine trees, surrounded with wonderful scenery. It is capable of holding 150 people. It is open Tuesday, Thursday, and Sunday of every week. I would advise you to go early, although there is plenty of standing room. This is an unfortunate position if you are in the habit of going regularly. No doubt you will be glad to know that a number of people take their lunch and make a day of it, while others cannot spare the time, travel and arrive just in time. I would advise your ladyship to visit on Thursday, for there is an organ accompaniment that day. The acoustics are excellent and even the most delicate tones are audible. It may interest you to know that my daughter was married in our W.C. and it was there she met her husband. I remember quite well the rush for seats. There were four people in a seat I usually use and it was wonderful to watch the expression on their faces. My wife is rather delicate and cannot attend regularly. It has been six months since her last visit. Naturally it pains her very much not to be able to go more often. I shall be very glad to reserve a seat for you (Sincerely)"

Oldie

Black Coffee???

Have you ever tried to get black coffee from the Hudson Bay vending machines?

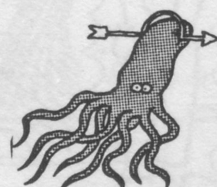
I put my money in, and waited in anticipation for a steaming hot cup of black coffee to revitalize my deadened brain cells. The cup fell down and then a thin mud coloured fluid spurted into it. Still unsuspecting, I reached for the olive green cup (could it be to camouflage the coffee?). To my astonishment, seen in the dim light, the coffee matched the cup. On my way to the mathNEWS office from the comfy lounge, I had the fortune to pass through a well lit area. The coffee was not really green. It was brown...ish!

The worst was yet to come. The smell prompted me to remember that PCBs are still a problem in Canada. The taste (yes, I tasted it!) was out of this world. (Maybe this is what hell is like?)

Several explanations came to mind: perhaps Hudson Bay Vending Inc. is spearheading an invasion of earth by aliens, and their task is to sap our will. Then a more likely explanation came to mind. That horrible stuff is the result of a promotional campaign by food services. After coffee like that, Village food looks good!!!!

Remember, you have been warned.

The man without a pseudonym



A Week in the Life of

Lester the Loony

Wednesday: Lester the Loon Coin is shipped directly from the Royal Canadian Mint in Winnipeg to a bank in Moose Jaw, Saskatchewan. Anne Artsie, a second year Poli Sci major, withdraws Lester as part of her tuition money, and flies to Waterloo.

Thursday: Anne pays her tuition (slightly late) and prepares for her first class of the week. After the money is taken to Doug Wright, who fills his bathtub with it and rolls in it, Lester is deposited at CIBC with many of his kin.

Friday: Jane Statsmajor withdraws Lester as part of the balance of her OSAP loan (all of \$17, left after \$233 for textbooks, tuition, and first and last month's rent.) She spends him in the Math C+D on a coffee and doughnut. Lester leaves and returns to the C+D several times on Friday, finally leaving with a CS major in exchange for a Coke Classic. Lester is used by said student to buy a CSC membership (cheap at half the price) and redeposited at the CIBC.

Saturday: A CIAU football referee receives Lester from the Bank, and uses him to flip for the first play at the game. Lester brings the Warriors luck, as they go on to their first victory in four years, beating York 21-19 with a last-minute field goal. The ref buys a couple of drinks at the Bombshelter celebration after the game, and leaves the loony as a tip. Lester Loony gets deposited back in the good ol' CIBC again.

Sunday: Lester laughs as he calculates that CIBC has already made twice his worth in service charges.

Monday: The Federation of Students withdraws Lester and puts him in petty cash. Later that day Lester is used to pay EngSoc for a miscellaneous Canada Day expense.

Tuesday: Lester is used all day to open beer bottles, and finishes his week in a Nimble Nuts condom machine in a truck stop in Shakespeare.

Sauron



Plan Your Future Today

Having problems with career related concerns?

Student Vocational Advisors (SVA's) are students helping student with questions and concerns about their career search. SVA's are trained by Career Services in all areas of career planning and job searching. Your Math SVA can help you to:

- identify skills and interests
- write effective resumés and letters
- develop successful interview skills
- plan your career and job search
- and more ...

Each faculty has an SVA to assist both co-op and regular students with their career concerns. Drop by soon and get started on making your future.

Your Math SVA: Julie Mulvey
Office: MC 3035
Hours: Tuesdays 10:00 - 11:30
Thursdays 1:00 - 2:30

Top Ten Questions To Ask God

10. Why skunks (and mosquitoes, and seagulls, and blackflies, etc.)?
9. Dolly Parton - are they for real?
8. What is it with these Blue Jays anyway?
7. Is Elvis really in Kalamazoo, Michigan?
6. Is he with Jimmy Hoffa?
5. Do all Engineers go to Hell for worshipping that oversized bottle opener?
4. Is WWF wrestling really fixed?
3. Is Michael Jackson really a woman?
2. Are East German female athletes really men?
1. Where the hell did I put my glasses this morning?

Luther Smith and a patch of brown goo

This Week's Theorem

Consider:

$$\begin{aligned} \int \left(\frac{dx}{x} + x d\frac{1}{x} \right) &= \int \left(\frac{dx}{x} - x(-1)(x^{-2})dx \right) \\ &= \int \left(\frac{dx}{x} - \frac{1}{x} dx \right) \\ &= \int 0 dx = 0 \end{aligned}$$

But $\int d(x \cdot x^{-1}) = \int (x^{-1} dx + x d(x^{-1})) = 0$ from above.

And $\int d(x \cdot x^{-1}) = x \cdot x^{-1} = 1$ by the Fundamental Theorem of Calculus.

Therefore $0 = 1$.

Take any real number x : $x = x \cdot 1 = x \cdot 0 = 0$

Therefore all real numbers are equal to 0, i.e. they are all equal to each other.

This is a very useful result since this means that any answer which is put down is correct. Thus everyone will get 100%. But this is the same as 0% meaning that we will all fail anyway. Oh well, you can't win!

FRESH!

HOMEMADE BURGERS & STUFF

BUY ANY BURGER
receive
**SECOND FOR
HALF PRICE!**





210 KING ST. N. across
WATERLOO from WLU
885-1850

"taste the difference of a freshly made burger"

Chair Chat

Hi, it's me again. It's been a busy couple of weeks since the last mathNEWS. Yearbooks and Grad Photo sign-ups have been going on over the last week. As well, we've had our first general meeting. Although the room wasn't filled to capacity we did fill all of our positions.

MGC Chairperson	Me (Greg Mushumanski)
Treasurer	Jamie Jeffs
Yearbook Editors	John Park and Orest Nahacziwec
MGB Director	Daryl Erwin
Publicity	Ben Johnson
Fund Raising	Charmaine Ford and Antica Milanovich
Grad Shirt	Thuy To
Photographer	Lisa Falco

Although these people are responsible for these functions, they'll need a lot of help (especially for Yearbook and MGB). Please sign your name on the list outside MC 3042 and help out if someone gives you a call.

Here are a couple of dates to keep in mind:

October 6, 5:00pm	Class Photo (by the blue CS sculpture)
October 13	Oktoberfest - University Night and Oktoberfest Sausages Day

Finally, we're starting to begin work on our Yearbook. We need pictures of you, your friends, the University, anything to do with your time here at Waterloo. Please give them to Lisa Falco. she has a box at MathSoc, or put them in an envelope under the door of the MGC office, MC 3042.

Greg Mushumanski

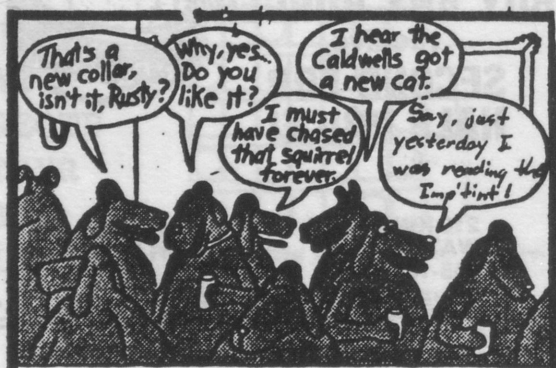
mastHEAD

This evening went much better than the last. Lots of creative energy and juices flowing all over the place (its getting pretty sticky in here though). The staff seems to be growing too, that's a quantitative observation, not a qualitative one. Helping out tonight were: Daryl Erwin, Frank Letniowski, Doug Hopkins, Rob Del Mundo, Chris Fievoli, David Treble, Stuart L Hodgins, Stig, Mike Dean, Andrew Tron, Dave Balkwill, Camille Goudeseune, Johnny Rubber, and Steve Smith.

Hail, hail, the gang's all here. This has probably been one of the most enjoyable production nights of my short career. Thanks to all of my good friends who showed up. Thanks also go to the folks at DCS, Marion and Graphics Services, Little Caesars, Q107, and Hymie for his great artwork.

Next week: the mathNEWS Enquirer, our spoof of grocery line tabloids. Submit any articles, prof quotes, ideas, or suggestions to the BLACK BOX on the third floor or to the mathNEWSoffice, MC 3041. Until next time, 'nuff said.

Johnny Rubber



mathNEWS is Organised

mathNEWS had its organisational meeting last Monday and one whole person who wasn't expected showed up. For punishment, this man was appointed Editor-in-training. The other positions were filled by the following people:

Editor-in-Chief	Tom Vandeloo
Editor-in-Training and Advertising Manager	Steve Smith
Financial Director	Frank Letniowski
Production Manager	Mike Dean
General Guy in Charge of Lots of Things	Steve Green

If you see any of these people around, please don't spit on them or call them nasty names as they might cry loudly and attempt a murder or two. If you don't ever see any one of them, no big deal, they're not much to look at anyway.

Johnny Rubber

Demonstration Sports

1992 Summer Games

- Picketing: Gold-USA (Teamsters squad), Silver-Canada (CUPW), Bronze-Poland (Solidarnosc).
- Queue Jumping: Gold-Romania, Silver-Bulgaria, Bronze-Albania.
- Synchronised Equestrian Relay Time Trials.
- New Wave Pentathlon
 - Wind Surfing
 - Submarine Racing (WR-West Edmonton Mall)
 - Underwater Safe Sex
 - Hacky Sac
 - 100m limbo dance
- Hyundai Puddle Jumping
- Coke, Speed Boat Racing
- Boxing-Referee Boxing
- Sumo Water Skiing
- Long Distance Spitting
- Soviet Satellite Dodging

Stig & Friend



mathNEWS social blunders

How the U.S. Election Will Affect UW Math

In a few weeks the United States will vote in one of the most important elections of this half-century. Will Mike Dukakis put an end to the Reagan Revolution with a Democratic win, or will George Bush maintain conservative control of the White House? In the spirit of preserving our journalistic integrity, mathNEWS examines the effect of this election on Mathematics at UW.

The candidates have been characteristically quiet on the issues of this campaign, and Mathematics has been no exception. However, political pundits have pointed out several interesting facts. The Bush camp has done little to drape rumours that during his 1964 Senatorial race, Bush appointed a motion to officially set the value of pi to 3.142. However, recent rumours regarding his disavowment of the non-singularity of matrices have been shown to be false.

Mike Dukakis has been downplaying his first term in office and rightfully so. During his tenure, he supported a number of bills which would have severely weakened the regularity condition for Green's theorem. Dukakis, whose lack of foreign policy experience has been criticised, has also been challenged on his knowledge of the Cauchy-Schwartz inequality.

GDP VP candidate Dan Quayle has the task of proving his worthiness for the job, as well as solidifying his knowledge of national affairs. Perhaps this explains his apparent lack of knowledge that all probability functions have a normal limiting distribution. However, Quayle has been shown to have a more than adept grip of contour integration.

Lloyd Bentsen, the forgotten candidate, is in fact a strong supporter of group theory and its applications. Look for Bentsen to make complex number theory an issue in his upcoming debate.

In all this has been a lacklustre campaign, mathematically speaking. With several bills before Congress challenging the validity of Chebyshev's inequality and mandating that the minimum number of terms needed in a Taylor series expansion be seven, a President with solid mathematical knowledge and good technical skills is a necessity. Mathies are urged to watch the waning weeks of campaign '88 with interest.

J. Edgar Ford

VapidFire

In a startling revelation today, officials of the Mathematical Centre for Professional Integrity in Scientific Studies revealed that careful studies had revealed that both Newton and Leibniz may have used mind-altering drugs while they were inventing Calculus. Pending verification of these serious charges, all mathematical and scientific endeavours which involve Calculus or its derivatives has been suspended.

From the Control Centre for Extremely Suspect Results in Tulsa, Oklahoma, comes word that the best protection from hurricanes can be provided by polyester-rayon plaid pants. Apparently a conference on university professors was in the path of hurricane Gilbert, but not a professor was injured. Although their conference centre was totally destroyed, not a single prof was injured. (Hair may have been disarranged, but who could tell?) Upon being awakened after the storm, a dismayed prof looked about and asked "Did I sleep through the $P=NP$ debate again? Pity."

IBM announced the introduction of a new mid-range computer based on a 80286 chip, to be called the Cobbler. Inside sources say that the name derives from the fact that IBM has cobbled the thing together from all the parts it has left over from outmoded ATs and the doomed PC junior. Asked to comment, Detroit Tigers coach Sparky Anderson said "Well, age is not an issue, and just because you've been around the diamond doesn't mean that it isn't true that a man can continue to perform long past the time. Still, we aren't out of it yet, and I fully expect that these last few games will decide it all."

The Adventures of Conan

the Chartered Accountant

After travelling for many moons in the wastelands with little food and less water, Conan the Chartered Accountant came finally to the great city of Oolretaw.

It should be understood by the reader that Oolretaw had not been Conan's original destination; he had planned to visit Nodnol, there to attend that city's great university and take part in the legendary social life thereof, but upon his arrival there the sight of the small-thewed, dull-witted, Lacoste-shirted, decadent participants in the legendary social life had so sickened him that he had departed immediately. Reconsidering, he had remembered that Oolretaw had an even greater university (one which he had feared would not admit him) and a nearby high school, and that its inhabitants were quick-witted yet decadent, and he had set out across the wastelands forthwith. Although the journey was harsh and there was nary a tax return to be seen (which depressed Conan to no end), his keen barbarian instincts brought him unerringly to Oolretaw with a terrible thirst to be quenched.

Knowing something of the city, he decided to quench his thirst at the fearsome place known as Def Llah, and soon found himself at its great glass doors. Conan paused there, his fierce barbarian senses detecting the odour of alcohol and the pounding rhythms of decadent music coming from within the huge building, then he strode inside.

As Conan walked slowly up the ramp, he and the two bulky men guarding the entrance surveyed each other carefully: they saw a towering, broad-shouldered, lean-waisted man in a conservatively cut blue pinstripe suit, with a deathly-dull CICA handbook swinging unconcealed from his belt. Conan, on the other hand, saw two pumped-up people who dramatically refuted the assertion that the inhabitants of Oolretaw were quick-witted. As he passed them, one made a move to ask for his identification, but Conan's volcanic blue eyes blazed under his horn-rimmed glasses and the two men hassled him not.

Looking curiously about him at the people gyrating on the dance floor, Conan approached the bar and, ignoring the startled glances from those who saw his giant frame slide past, ordered a Zombie (that being the name most befitting an accountant's drink). He was drinking it calculatedly when his keen barbarian hearing detected a penetrating voice asking "How many accountants does it take to screw in a light bulb?"

Conan glided effortlessly from his position at the bar and moved towards the location of the voice, his steely muscles rippling under his suit. He arrived at the speaker's table in time to hear "One, but he has to do it according to Generally Accepted Accounting Principles" followed by a roar of laughter.

Conan touched the jester, a surly-looking man wearing a pink tie, on the shoulder, and the fellow rose, swaying slightly, to stare arrogantly at the giant Cimmerian.

"I advise you to take back that remark." Conan said through his teeth.

"I will not! Accountants are pitiful, and if you don't like it you can deal with this!" roared his newfound enemy. Conan's mighty CICA handbook swept upward just as the Mathie whipped a Classical Algebra textbook from his pocket. There was a mighty crash as an attempt to prove Conan congruent to an Engineer met Conan's mind-numbing rendition of review engagement regulations. The two combatants stepped back and swung again.

In the ensuing fracas, some confusing yet boring shrapnel hit the light controls and Def Llah was plunged into darkness. Suddenly above the sounds of confusion in the black depths of the bar, a single ear-splitting scream was heard. When the lights came back on, Conan was nowhere to be seen, but the Mathie's corpse lay on the floor: with the unerring accuracy of an accountant (that is, within the constraints of materiality) Conan had read sections 3800 through 5100 of the Handbook to his adversary in the darkness, boring him to death, and escaped unseen.

Ducky

GRIDWORD

Gridcomments VII – A New Beginning

Hi there! Welcome to the wonderful world of the GridWord. My name is CYBERman, and it will be my pleasure to be your guide in this wonderful world. Cameras ready, everyone? Good, now we can begin the tour.

Our first stop is the GridWord title. Notice that it is symmetric about its centre, so it reads the same upside down as right-side up. Oohh! Aahh! Flash! Click! Click! Next we come to the Grid Itself! Note that it too is symmetric about the centre. (More oohs and aahs, more flashes and clicks.) Note the isomorphism between the GridWord title and the Grid Itself. $e^{\pi i} + 1 = 0$. Let us pray.

If you would now come along now, we shall come to the Clues. Note that the Clues are marked as Cryptic. What could this mean? I'll let PSYDA, the designer of this Grid, tell us.

"Why thank you, CY. Each clue contains two references to the GridWord entry. The actual definition of the word is buried in the clue. The other words in the clue paint a sort of 'letter picture' of the word. Let me give you an example: The clue is "An illegally copied Greek letter has a price (6)". The answer is 'pirate': 'pi' is a Greek letter, 'rate' is a price, and to 'pirate' is to illegally copy. Some clues will be this easy, many more will be much more subtle."

Some of you who have taken the tour before may notice that there is no set of conventional clues. These clues have been dropped due to insufficient demand and sufficient GridMaster laziness.

The tour of the wonderful world of GridWord is now over. If you do manage to solve the GridWord, drop your solution into the Black Box. The GridMaster will select a winner from the correct entries. The names of the winners and those who posted correct answers will be published in the next issue, along with the GridSolution. Now get out there, and do those GridWords. I find that 8:30 classes are the best time to do them.

I would like to thank PSYDA (PSYDA – qu'est-ce que c'est, a cryptic clue for talking heads) for doing the majority of the work designing the Grid, and I'm sure PSYDA would like to thank me for helping him out. Neither of us would like to thank the editor, WHO ORDERED TWO WHOLE PIZZAS FOR THE STAFF AND DIDN'T INFORM US WHEN THEY ARRIVED.

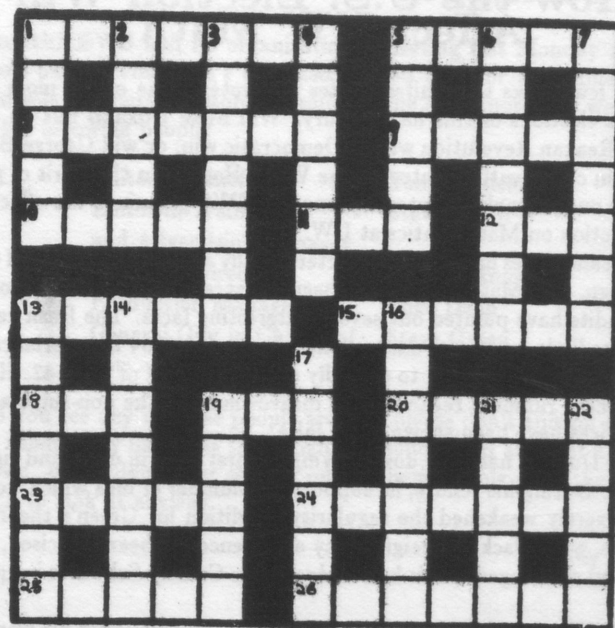
CYBERman

Name: _____

Favourite

Python Sketch: _____

Comment: _____



Cryptic

Across

1. Note: "I German solder, a major appliance corporation." (7)
5. To move back and forth, like a directional aerofoil (5)
8. Scrambled Krauts in the stables (7)
9. The high point of Arizona is a gem (5)
10. Switzerland, me, and a continent – a country (5)
11. A high note of a backwards sun god – a fish? (3)
12. Not one pound for petrol (3)
13. Strongly descend into a blossom (6)
15. Rub out the digital display back in the Parisian summer (6)
18. Initially the Regulated Entropy Society, now on-campus housing (3)
19. Five hundred and nothing, for two people (3)
20. A quiet dwarf on a bookcase (5)
23. Victory gold, less than safe (5)
24. To fish in the middle of a football play is knotted (7)
25. Look back south, staggers (5)
26. More Lorne on the other side of the fence (7)

Down

1. To imitate a repeated note a hundred times (5)
2. A conjunction in the metric system, or a girl's name (var.) (5)
3. Mean people have rage (7)
4. Sirens ignore the naval officer (6)
5. Metric upwardly mobile rodent is a musical instrument (5)
6. Little devil! Wander! Reform for the better!! (7)
7. French fuel and French woman, a fast animal (7)
13. Eternally strong, not a shortened clergyman (7)
14. No-nonsense remedy? That's abstract (7)
16. The most important thing is to curve the latter part of science (7)
17. Canine game as a means of ID? (6)
19. Over the i, environmental studies fawns (5)
21. A girl's name in The Dell, England (5)
22. Fashion, hesitate! Control the brightness (5)