

math **NEWS**

Volume 52 Number 4

March 2, 1990



After returning from a week
of rest and relaxation students
prepare for a second round of
midterms. midterms. midterms. midterms.

LookAhead

mathNEWS	
	(MathSoc, MC 3038 @ 19:00)
Mar 12	Issue #5 production night
Mar 16	Issue #5 hits the stands
Mar 26	Issue #6 production night
Mar 30	Issue #6 hits the stands
Faculty Dates	
Mar 6	1B Information night (19:00, DC 1351)
Mar 8	Grad School Info meeting (15:30, DC 1302)
Cinema Gratis	
Mar 6	Sleeper
Mar 13	Willow
Mar 20	Spaceballs Star Trek IV
Fed Flicks	
Mar 2-4	Lethal Weapon II
Mar 9-11	Dead Poets Society
Mar 16-18	License to Kill
At the Shelter	
Mar 10	"The Shelter goes Hawaiian"

Soc Toc

Welcome back to the second half of the term. End of round one, start of the second. Hope everyone enjoyed Reading Week, ie. "Mathsoc Appreciation Week". Everyone is back at Mathsoc, working hard for the remaining events for the term. The theme at the beginning of the term was "Adding Value", and now this is more true than ever.

MathSoc has started to increase it's services to you. This week MathSoc received it's new "Macintosh IIfx" and "LaserWriter IIxt" as the beginning of our new Macintosh lab, to help deal with the demand for high quality machines and programs for word processing, spreadsheets, data processing, and other services. However, this is only a machine. In order to really increase MathSoc's services, we need people "Adding Value".

People walk by anytime to ask to have the office opened, when they know it's closed, so they can get what they want done, IE. MathSoc people are expected to go out of our way for others. Unfortunately, the same can't be said the other way around. Others won't go out of their way to help Mathsoc people. IE. If you use a stapler, scissors, tape, exam, study room, photocopier, or soon to be released Macintosh lab, it would be considerate to put back into MathSoc what you take out, in one form or another. If you've got a suggestion or complaint, talk is cheap, so get involved. MathSoc is made up of dedicated volunteers who help in the office, and run the events and make MathSoc what it is.

I hope everyone enjoyed the Yuk Yuk's comedy night at Fed Hall. I'd like to thank everyone who helped make it successful. You know who you are.

Orientation application/information forms for the fall '90 frosh orientation week are now available. If you want to be a big brother or sister and re-experience the big event from the other side, here's your chance. All forms must be in by Friday, the 9th of March.

Upcoming events are WinterFest which started yesterday. MathSoc is sponsoring a Winter Volleyball game on Saturday. On March 10th, MathSoc's sponsoring a ski trip to Blue Mountain, and on March 17th we're having a curling event, details to be posted in MathSoc. So, get involved and have fun. Nuf said.

Dave Hubert
Vice-President

Class of '90

End-of-UW Countdown - 51 days maximum

Welcome back after a week of sleeping in. We assume many memorable events took place, none of which involved reading of assigned material.

One of the newest fashion trends from Paris has been on sale all this week. The demand will determine how long the sales effort will continue. These boxer shorts make a fashion statement and are all-purpose. They can be used as athletic shorts, sleeping apparel, signal flags on a boat, and many more uses (totally dependent on your imagination).

The MGB is only two weeks away. People are needed to set up the hall; if interested contact one of the directors. The seating arrangements will be decided on soon. Look over the grad bulletin board for further details.

The class photos have been ordered and should arrive within two weeks. We assume the grad rings have arrived, so find that receipt, and pick up your ring before we re-sell it.

An evening of snooker at the Westbury Club is being organized. If you are interested in playing, leave your name and telephone number on a note for Steve Johnson. Drop it off at the grad office (MC 3042).

The PGB tickets will be going on sale. The gathering will take place at the Valhalla Inn, in the evening of the day of Convocation. You can rent a room for the night to avoid drinking and driving.

Our fundraising directors have worked hard in attaining a bingo night, They need runners to work selling cards and reading out numbers to the caller. The tentative date is April 16th. If interested, please contact Geoff, Jeff or Pete.

There will be a general meeting for all MGC members this Tuesday, March 6th at 2:30 pm. The latest social event was yesterday with a grad bowlerama. We hope everyone who attended had a fun-filled evening.

That's all for now. Good luck in keeping warm and having a great weekend.

Kelly Start
Emil Mlinarevich
Chairs at Large

Class of '91

Wanted: Leader to Unite Classmates

Graduation may be over a year away, but the planning for your final year at the University of Waterloo begins this term. This past week, nominations for the position of Math Grad Committee Chairperson have been accepted. Due to reading week, the nominations will close on Monday, March 5th at 4:00 pm.

If you or someone you know is in the Class of '91 and has the necessary qualities to organize the graduating class, pick up a nomination form at the Math Grad Committee (MGC) office MC 3042. The form requires ten signatures of members in the class of '91 who support the nomination bid.

All completed forms can be placed in the Grad Committee mail slot in the MathSoc Office. This nomination is open to all students, and not restricted to students who are presently involved. However, the individual must be on campus during the F90 and W91 school terms. If you have any questions, feel free to talk to any of the MGC directors or chairpersons. Your interest in this endeavour is greatly appreciated.

Kelly Start
Emil Mlinarevich
Chairs at Large

CSC Flash

insert witty subheading here

By popular demand, "tea and doughnaughts" will not be mentioned in the CSC flash this week.

This past Tuesday, the Computer Science 3B Information Night came and went. At this festive event, 3B students listened to CS profs describing the joys that await them in the 4th year computer science courses being offered in the near future. Refreshments whose exact nature will not be revealed were served.

Due to rather rapid growth in recent terms, the CSC has found it necessary to modify (or rather implement for the first time) some policies. We have a problem. The CSC is always open, always ready to provide guidance to the confused, confusion to the guided, sleep to the weary, animated conversation to the inanimate, and watcsc to the rest of the world. The CSC has also recently found itself providing a couple of new services: cash and free books to the dishonest.

This can't continue. We find ourselves using our funds to replace the books we've already bought, instead of getting new, exciting titles. Much as we like the CSC's friendly open-door policy and anarchistic, chaotic disorganization, we have been forced to make some changes.

As of now, the CSC office will only be open when a member of the newly-appointed office staff is around. The office staffer has the authority to kick people out, in particular, to close the office. The office staffer is the person you want to see when signing out books, as books will no longer leave the office unless properly signed out. The office staffer is also the person you want to see to buy a membership.

Clearly, the office staffer wields incredible power. Should you wish to become such a superior being, contact our secretary, Dan Astoorian (djast@watcsc) and he will bring your application to the executive for consideration.

These changes are unfortunate, but necessary. Also, if you have any of the CSC's books lying about, we'd appreciate it immensely if you'd return them.

Calum T. Dalek

Thinking about graduate school?

The Faculty of Mathematics is holding an **Information Meeting** on graduate work in the mathematical sciences:

Thursday, March 8, 1990
3:30 p.m. - DC 1302

- * Why undertake a graduate program?
- * How do you know if you are suited for graduate work?
- * Where can you obtain information on programs?
- * What financial assistance is available?

Departmental representatives from Applied Mathematics, Combinatorics and Optimization, Computer Science, Pure Mathematics, and Statistics & Actuarial Science will be available with specific information about their programs.

All students welcome
Refreshments available

Ultraclassifieds

FYI: Project Chomelean-X will hold an initial briefing in six days. X-hour will be announced then. Be ready.

Q.

To "Tiny" Gizmo: Good quality leather sheaths are planning to transfer. We are disappointed in the lack of swords and cannot even find any good daggers. We refuse to settle for pen-knives which are so prevalent.

Disappointed

Kelly: You watch too much T.V. Or perhaps you just can't get enough.

Ernie, Bert & Big Bird

To Caleb & Howard: Your poem "Now!" makes a wonderful point, but if that is all you intend to do about it, then your point becomes meaningless.

C.F.T.E.

Kivi: How can I ever thank you? You were really wonderful.

Clara

Happy Birthday to me, Happy Birthday to me, Happy Birthday to mee-hee, Happy Birthday to me!

The Grey Pilgrim

Lost One faith in humanity. If found, please return to: J. Mathless, c/o mathNEWS.

Will Disco Make a Comeback?

We hope not. But some say it already has. How so, you ask? In the form of rap music. We came to this controversial conclusion in the Bomber over a pitcher of Canada's finest. The Song Remains the Same was on the big screen. (Led Zeppelin, for all you rap fans). We were feelin' fine when all of a sudden it hit us... Rap \cong Disco. We realized that disco has one main beat that it maintains through the whole song. Guess what? So does rap. Disco lacks lyrical content. So does rap. Disco relies heavily on bass and techno-sound. You know what? So does rap. Need we say more? Yes. At least disco involves some guitar. Rap doesn't. Does that make rap \leq disco? We think so. Not that we like disco. We will let you draw your own conclusions because we know ours.

Crash & Burnout

Hard to Graph

With apologies to TPOH

Everyone who smells you thinks you
should be bathing
That VGA's so pretty, that PC clone's
beguiling
Everyone who knows you wants you
socialising
Thinks you should unplug her and
take up ballroom dancing
But it's
Hard to graph when your monitor's
a monochrome
Green or amber colour
Axes not compelling
Hard to graph when your points don't
look so critical
But you've got to graph
To prevent yourself from failing
Everyone asks you why you're so serious
'Cause your assignment is a problem with
solution quite mysterious
Yeah, the question calls for brain cells
and you've got none to spare
'Cause every time you're plotting you want
to pull out your hair
But, you know, it's...

Dr. T. Squid, BMath

Prez Sez

Apathy From Our End

I guess we all know that apathy at Waterloo is a well-worn subject at best. Every student leader in this institution's history has promised to combat apathy in every conceivable way. Unfortunately, for the most part their efforts have been unsuccessful. Maybe, however, people might think just a little bit more about it if they understood better how their lack of involvement or caring can affect them directly.

A day doesn't go by when someone doesn't come up to me and ask me why the Office isn't open and why they can't use the photocopier. My usual response is "Well, there just isn't anyone to work in there right now". What I'm trying to get across and what I really want to say is "Maybe if you could spare an hour a week to work in the Office, it wouldn't be closed right now." It upsets me a great deal when people who don't have the slightest inclination to offer their assistance are the same people who are so quick to complain.

MathSoc services (and other University services) are not a right—they are a privilege, and a very fragile one at that. Without the very dedicated core group of volunteers that we have right now, a large number of services that most of you have come to take for granted would not be available. *mathNEWS*, photocopiers, old exams, the C&D, the lounges, all these would be gone without someone to maintain them.

My point is this: the next time you walk into the Office, or ask the Turnkeys for something, or take advantage of a Fed service, just take a moment to think about who is making it possible and why they are doing it. Then just think for a moment about whether maybe you could spare the small amount of time and energy needed to do it too. That's all, just think about it.

Tom Vandelloo
MathSoc President

VapidFire

More news on the Ballard saga

SINGAPORE — Marathon swimmer Vicki Keith climbed out of the Pacific Ocean for the first time in 7 months today after successfully completing a fund-raising swim across the Pacific Ocean. "I could have done it in 5 [months], but that darned slick forced me to go off course," a triumphant and "pooped" Vicki commented, making a reference to the remnants of the Exxon Valdez oil spill that she encountered off Hawaii.

NEW YORK — An earthquake measuring 6.7 on the Richter scale struck Wall Street last Wednesday. A broker for Robb and Blind, Inc., commented that this was simply a "minor market correction."

WEST PALM BEACH — As Harold Ballard remains bedridden at the Maple Leaf Hospital here, a Federal court finally rules what the rest of civilized humanity has known for decades—that Ballard is mentally incompetent.

MOSCOW — McDonald's Hamburgers opened its first store in the East Bloc last month, to an enthusiastic response from Muscovites and foreign tourists alike. This lasted about half an hour until the restaurant had a burger shortage.

ROME — In preparation for the 1990 World Cup (that's soccer for you North Americans), ten busloads of English fans came down this weekend and levelled a third of the city. One unidentified fan commented, "We just wanted to feel at home, see?" except in a Cockney accent. [ed. note: \LaTeX does not supply a Cockney font.]

BUCHAREST — The local tabloid newspapers in Romania are beginning to publish a large number of reported sightings of deposed dictator Nicolae Ceausescu. Typical of the headlines: "Nico hitched a ride with me and then blew my head off!"

BERLIN — Talks to reunite East and West Germany are well advanced, but there remain a few details to be worked out. For example, East German athletes are afraid that they will have to share their steroids with their West German counterparts, despite repeated assurances to the contrary. Also outstanding is the West German request that the united Germany build a wall around Dresden to keep the riffraff in.

Mr. Death

Fight Of The Term

UWI - In an attempt to promote campus spirit (and to make lots of money on the side), fight promoter Dumb King brought the controversial but classic battle of the programming styles to UW.

The challenger, Peter "Buhrster" Dickless appeared weak in the early rounds as he was dominated by "Iron" Mike Ditchfield. The champion began with several devastating blows to Buhrster's programming style, with the revelation that "all loops [need not] be written as for loops with break statements!" (accompanied by a brutal quote from Robert Graves and Alan Hodges). The challenger retaliated with the cheap shot, "I have exactly the opposite coding style," followed closely by a reference to a journal he had hidden in his trunks. Buhrster was reprimanded for the low blow by special referee Hulk Hogan.

It was at this point that forum owner Rick Strawbosser stepped between the two, declaring the inappropriateness of the event in his arena. Both men were driven from the stadium with their tails between their legs.

"Although the previous discussion has some obvious relevance, I think any continuing discussion can be moved to a more appropriate location so that those... not interested in this discussion any longer do not have to wade through the remaining rubble," Strawbosser whined.

My grandmother was unavailable for comment.

Johnny Mathless

Editors' Notes

It is now *mathNEWS* policy that all third person pronouns, in cases where gender is not defined, will be in the new personal neuter gender, which we define as follows:

	Nominative	(Dative) Accusative	Genitive
masculine	he	(to) him	his
feminine	she	(to) her	hers
neuter	ne	(to) nem	nes

It has come to our attention that while we have been begging and pleading you people to come out and contribute your significant and not so significant skills to *mathNEWS* we have neglected to tell you where to come! So for all those millions who wanted so desperately to come out before but were left wringing your hands in despair, here is the secret location of all *mathNEWS* production nights!!

mathNEWS production nights are held in the MathSoc Office

So there you are! At last the secret is out! Now if you don't know where the MathSoc office is you better switch to Arts.

The Editors of the Sword

Letter to the Editor

Dear *mathNEWS* editors,

This is in response to the letter from Prabhakar Ragde in the February 9th issue, regarding the article "*How To Get A Girl*". I personally thought the article was funny, and every girl I've talked to about the article thought the same thing. Not one of them was offended or bothered in any way. This article was simply men making fun of themselves, nothing more.

In her letter, Prabhakar says that "the reader concludes that sexism and aggression is wrong only because it doesn't work". How stupid do you think *mathNEWS* readers are? We are all university students, and are mature enough to realize that this kind of conclusion is ridiculous. As for "articles like this are contributing to the problem", I think most men (not all, unfortunately, but a vast majority) do *not* believe that women are "objects to be acquired", and I don't believe that this type of article is going to make anyone change their mind on this issue, especially when the article is read in *mathNEWS*, a publication almost entirely devoted to humour.

I agree that "we must not underestimate the power of words", but we must also be able to distinguish between an expressed opinion, and sarcastic humour. This article was completely and totally the latter.

Graeme Perrow
3A CS

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Editor: Paul J. Sahota and David Weil

How To Get A Guy

Second in a Series

Editor's note: The views in the following article are strictly those of the author.

Author's note: The views in the following article aren't even mine. They're sarcasm.

"But they're all nerds here. Where are all the MEN?" This question is oft heard in response to the idea that the 70/30 male/female ratio provides some advantage to females on the hunt here at Waterloo.

Perhaps the first step should be to lower your standards. Many women look for strength, sensitivity, good looks, intelligence, and income potential in a man. Give up! These men exist only in your imagination, and on *The Young and the Restless*. Try going for a realistic sub-set of these qualities, like the big, dumb jock who thinks "fooling around" means a game of flag football before bed. Another reasonable combination is the rich, good looking guy that considers women to be fashion accessories. Both of these types should be readily available at other universities, and in the "real world."

If you choose to man hunt here at Waterloo, though, you may find yourself in a bit of trouble. The particular breed of man that is found here is hard to recognise. The first characteristic of men at Waterloo is hair. Most men here at Waterloo have hair. The length, sadly, is not an indicator, and women have hair, too, so this isn't much help. Other not-too-useful signs are: ear rings, three piece suits, and moustaches.

If you're not too picky about strength, attractiveness, or personality, you can try one of Waterloo's many nerds. These people are distinguished by long, greasy hair, pimply faces, black tape holding thick glasses together, and absolutely no social skills whatsoever. These people are sometimes intelligent, and will be as sensitive (indeed malleable) as required, as they're desperate for female company.

If you do manage to find yourself a real man here, you've got another problem. He's taken. This isn't a maybe, it's a certainty. Since there are so few women, he probably isn't too keen to give up the girlfriend he has, either, and you can be certain that she'll do everything required to keep you out of the picture. There are several subtle and effective ways to get rid of her and put yourself in her place. The easiest is murder. Just knock her off, and make sure that you're first in line to comfort the grieving male. Other ideas include: telling him that she has AIDS, telling her that there are more men at Laurier, and showing him that you've got a better body than she does.

Not Quite Dead Yet

*mathNEWS*Movie Mania

A Review of Drugstore Cowboy

Drugstore Cowboy is the story of four addicts, set in the early 1970's. Its main character is played by Matt Dillon (of *My Bodyguard* fame) who displays, in this movie, a wide range of acting ability. He plays the head of the group of four people (two women, two men). They obtain their drugs by robbing drugstores and hospitals. Matt steals the drugs while the other three (or two) provide a diversion. After the robbery they sit back to a quiet night of drugs.

This is not, however, your ordinary 'lets do drugs and have a good time' film, it does have a very strong anti-drug message. This message is not, however, put across by preaching. It is emphasized by the gritty life the characters lead and the situations they are put in.

The movie, itself, does have quite a few good comic moments. Some of these include dogs, hats, beds, corpses, police officers and an addicted priest.

This film is most definitely a must see.

Drugstore Cowboy is playing again at the Princess Cinema the first full week of March.

Don Chuckles

Prof Quotes

"Can we fail to prove this to be expressible? Sure, we just fail to get up in the morning."

Buss, CS 360

"If my chalk had all the fancy fonts on it, then this 'B' would be different from this 'B'."

Buss, CS 360

"Ach! I'm not dyslexic normally."

Buss, CS 360

"But, you see, real lemons. . . I mean real women, sorry. . ."

Holmes, PSYCH 254

"Today we are getting away from the simplex method. Don't worry, it's nothing to deep, because if it were, I wouldn't be able to understand it."

Hadley, C&O 350

"Don't use 'it converges by the ratio test'. That's dumb. That's like saying 'it converges by the Grace of God!'"

Ponzo, MATH 138

"The first time I read that, I said, 'You are bullshitting me.'"

Tenti, AM 361

"We will scream, that's for sure."

Szarycz, RUSS 102

"Bind that definition to thine hearts with hoops of steel!!!"

Furino, MATH 234A

"I appreciate that. It makes me look like an idiot, and you're gonna fail for it, but . . ."

Furino, MATH 234A

"Seed catalogues are wonderful—and, they're free!"

MacKay, STAT 230

"If you're dead, you miss your turn."

MacKay, STAT 230

"There should be a publication where we get to laugh at what you guys say."

Marshman, AM 250

"No one is taking notes in this course—right?"

Lobahn, CS 487

"Please stop abusing your spouse back there. Wife-beating isn't allowed, at least not in class."

Davis, M244B

"After a while, these operations begin to feel like . . . surgery!"

Zorzitto, MATH 136

"It skims off the top, and leaves you gasping for more."

Watters, CS 241

"CS is like a black hole that sucks up time."

Wainwright, MATH 230A

"I didn't get lucky, but someone in the class got lucky."

Cummings, MATH 234A

"If you kick a dead horse, it's dead. If you kick it again, it's dead. If you kick it again, it's still dead. It's unchanging, that's all I'm saying."

Zorzitto, MATH 136

"In real life, you don't find stories coming up to you and saying, 'Hi, I've got a binomial distribution.'"

Springer, STAT 230

"Divide the class into male and female; I won't say which one is successful and which one failure."

Springer, STAT 230

UW Considers Uni-Lingual Policy

Buoyed by the success of the linguistic policy making necks de rouge in small towns across Ontario, the AFTPC has started calling for single language regulations here at UW. Chairman for the AFTPC, C. S. Keen, remarks, "It's about time we realized that anyone at this university who knows what they're doing uses the C language. Why should we have to pay to provide services for languages that are obscure and obsolete."

There is growing unease in the FORTRAN speaking population at Waterloo, who can be found in significant numbers in non-CS departments. Engineering poo-bah Bob Boraxa warns that, "FORTRAN is far from dead. Silly language policies like those recommended by the AFTPC, and the failure to ratify the Laurel Creek Accord could leave us with no alternative but to separate from the University." (The Laurel Creek Accord would recognize Engineering as a 'distinct society'. Other faculties object to this clause. While everyone agrees that engineers are 'distinct', most think that this fact is nothing to be proud of.)

Reaction in other faculties is vague. Dr. Art C., professor of political science, points out that, "Diversity of ideas is one of the things that makes this university great. To eliminate the use of some computer languages would be a loss to us all. On the other hand, with a common language, computers would be able to communicate more readily with one another and could live in harmony. Without the duplication of services, we could save money. In my opinion, they should paint the Math Building Orange." The official stance of the Math Faculty administration is, "Oh... whatever." While the University administration usually jumps (like a dog for a bone) at chances to save money, they have been silent on this issue because they don't like to do anything controversial.

The Alliance For The Preservation of C may have trouble within its own ranks as well. Splinter groups, such as the AFTPC++, are pushing for more radical language restrictions, and accuse the AFTPC of being out-dated. As well, the AFTPC faces competition from other radical language groups. For example, while the AFTPADA is generally regarded as a group of wandering lunatics, they are supported by the American government, and add yet another dimension to the thorny issue of language at UW.

So's your mother!

Top Ten Good Things About the 1990 Budget

10. It reduces the deficit.
9. It will reduce overcrowding at universities.
8. It reduces the deficit.
7. Micheal Wilson saved \$100 by not purchasing new shoes.
6. It reduces the deficit.
5. The provinces will no longer have to worry about budget surpluses.
4. It reduces the deficit.
3. It's a full year until the next one.
2. It reduces the deficit.
1. It might spell the political end of Brian Mulroney.

george (not her real name)

MFCF News

In the next couple of months, MFCF will be replacing WATMATH and WATER with new hardware. This is the beginning of a larger program to replace and augment computing facilities. MFCF is currently evaluating some exotic machines for potential purchase, and has some of them on campus for testing. Other plans include rationalizing current MicroVAX usage, perhaps by providing students with accounts for the duration of their undergraduate careers, instead of new ones every term, and obtaining PC style applications on UNIX¹.

Beyond the above, MFCF's plans are less clear. There are tentative plans to purchase expandable new UNIX machines, in particular, for third and fourth year CS major courses. PCs and Macs will be supported indefinitely, but MFCF wishes to move more or less towards an all UNIX environment. Improving connectivity between PCs and UNIX is also desired.

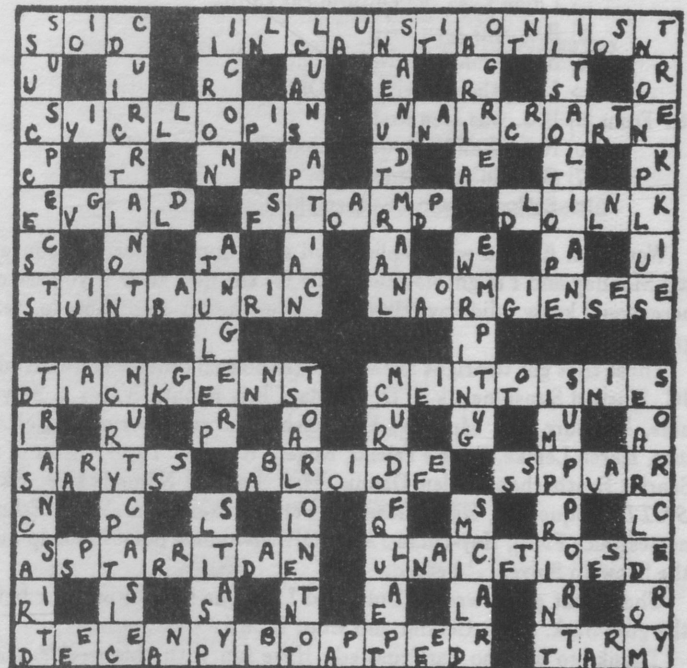
What do you think are pressing needs? For example:

- Dial-in support. Is dial-in support adequate, or does UW need more dial-up lines. If so, are 2400 baud lines sufficient, or do you own a 9600 baud modem? Do you still suffer with a 1200 baud modem?
- Portables. Do you own such a beast? Could you use a plug-in ethernet connection on campus?
- Terminals. Are there enough? Would replacing rooms full of KD404s with WYSE 75s be desirable, or would it be better to replace them with a smaller number of X-windows workstations?

Please voice your opinions, they do matter. The purchasing decisions of MFCF will be influenced by student concerns, but only if they know about them. Please send any relevant comments to:

Stephan Mueller,
undergraduate representative to the CS Equipment Committee
(sbmueller@tiger)

¹UNIX is a registered trademark of AT&T, those clever guys.



Answers to Logic Problem #1

The answers to last issue's problem are (in order of arrival):

1. The green car from B.C.
2. The blue car from New Brunswick.
3. The grey car from Saskatchewan.
4. The red car from Ontario (not mine).

The reasoning: **Legend** (I) = information held in the introduction. (X) = information held in clue number X. [X] = information held in answer number X.

1. From (4) The red car came from further east than another car,
 - The red car isn't from B.C.,
 - (2) The red car isn't from New Brunswick,
 - (5) The colour of the car from Saskatchewan began with 'G',
 - The red car isn't from Saskatchewan,
 - ⇒ The red car is from Ontario.
2. From [1] The car from Ontario is red,
 - (6) The car from B.C. isn't blue,
 - (1) The car from B.C. isn't grey,
 - ⇒ The car from B.C. is green.
3. From (5) The car from Saskatchewan is green or grey,
 - [2] The car from B.C. is green,
 - ⇒ The car from Saskatchewan is grey.
4. From [1] The Ontario car is red,
 - [3] The car with the Saskatchewan licence plate is grey,
 - [2] The car from B.C. is green,
 - ⇒ The New Brunswick car is blue.
5. From (6) I saw the car from B.C. first.
6. From [5] The car from B.C. was seen first,
 - (4) The car that was seen third came from further west of another car,
 - The third car wasn't from New Brunswick,
 - (2) The car from New Brunswick was seen before another car,
 - The last car wasn't from New Brunswick,
 - ⇒ The car from New Brunswick was seen second.
7. From [1] The red car was from Ontario,
 - (2) The red car isn't third,
 - I didn't see the Ontario car third,
 - [5] B.C. was seen first,
 - [6] New Brunswick was second,
 - ⇒ I saw the car with the Ontario licence last.
8. From [5] B.C. was seen first,
 - [6] New Brunswick was second,
 - [7] Ontario was seen fourth,
 - ⇒ Saskatchewan was seen third.

Wow! I'm flooded with replies, and all in support for this concept. It's Monday and I might not have time for the new grid. If you see one here, you'll know I did have time. If not see the article on how to create grids.

Those that got the right answer are (in no real order): Karen Kuder, JC, Warped Sunshine a.k.a. D. Casola, Chris Krantz, Votex + Strychnine, Watburr [OK Murray], Ein Leichtmatrose, Khorin BattleHammer, Karen Lemke, Dave's Friend, Roger "Ramjet" Tutor, Sister of the Scarlet Brotherhood, Glen Dennis, Mrs. Paul E. Nomial, Mrs. Skull, SKID, "Squeeze", Killer, Karrak [Points taken], Dr. V. C. Eshoer-nettes [Nice Font], Hey-Dude JAM! [OK, give some points to help make the 'How to Solve...' better].

Those that got it wrong (Both said I saw the red Ontario car before the grey Sask. one): Gemini and Capt Ilcard.

Thanks to all who participated. Have fun with this week's. Look around in this issue for the next logic problem. Have fun!

The Nutster

Logic Problem #2

Since last issue's logic problem was so well received, here is a slightly more difficult one to tickle your taste buds. You may want to look at the article "How to Solve Logic Problems" from last issue. Submit answers to the BLACK BOX on the third floor of the math building.

On with the puzzle:

Betty and her husband hosted a party at the local country club. They invited four other couples. From this and the information below, can you determine the full names of each person (one man's first name is Edward), to whom each is married (each wife has the same last name as her husband) and in what order they arrived (all couples arrived together)?

1. Brad's wife, Eve, complained most of the way to the party.
2. The following arrived in the order given, though not necessarily consecutively: The Andrews, Cathy and her husband, and Alan and his wife.
3. The hosts, who, of course, arrived first, pointed out that the Eastman's car was the same type as their's was. Both cars were driven to the party.
4. Charlie, who isn't Mr. Baker, made sure that he and his wife, not Donna, arrived a little early for their friend's party.
5. Dave and his wife arrived at the party, in a taxi, before the Cooks, who got there before the Amy and her husband.
6. Mr. and Mrs. Deare arrived 20 minutes late, after everybody else.
7. No man is married to a woman whose initial of her first name is the same as either of his initials. No man had the same initial for both his first and last names.

The answers and explanations shall be printed in the next issue.

The Nutster
Good Luck

	A	B	C	D	E	A	B	C	D	E	F	S	T	F	F	
Andrews																
Baker																
Cook																
Deare																
Eastman																
First																
Second																
Third																
Fourth																
Fifth																
Amy																
Betty																
Cathy																
Donna																
Eve																

Useless UNIX Command of the Week

: > /dev/null

mathNEWSquiz #4

Technical Difficulties

It's now 2h15. The mastHEAD was done up an hour and a half ago, as was the squiz (with some minor incompletenesses), and now in pops dag with the answers I was missing.

Anyhow, the winner of squiz #3 is... **Auntie Annie & the Pup**, who got 11 correct out of 18. Also ran: GHW + the Crapstains (10), Macgician (9), Capt. π card (8), Warped Sunshine (5.5) and The Easter Bunny & Lips—You Know It!! (5). Auntie Annie and/or the Pup can claim the winner's prize in the mathNEWS mailbox in the MathSoc office.

Solutions for mathNEWSquiz #3:

1. Diplomat/Ambassador
2. Walking on the wrong side of a white fence
3. Uhura
4. Sun T'zu
5. Dr. Gillian Taylor
6. 3
7. Bob Dylan, George Harrison, Jeff Lynne, Roy Orbison, Tom Petty
8. Tschaikowski
9. Guitar and double bass
10. Richard Rodgers
11. 1967
12. David Robert Jones
13. Allen Stewart Konigsberg
14. A Change of Habit
15. Tom Cruise
16. (unascertained)
17. Buckaroo Banzai...
18. Indiana Jones and the Raiders of the Lost Ark

Submissions for the following squiz are due by 18h30 on Monday 12 March in the BLACK BOX or under the mathNEWS office door.

Canadian Content

1. What is the claim to fame of Montgomery's Tavern?
2. In what year did the Houses of Parliament burn to the ground in Ottawa?
3. Who was the first European to see what is now Saskatchewan?
4. What city grew up where Old Fort Garry used to stand?
5. What is the closest French colony to Canada?
6. Which Canadian Prime Ministers never sat in the House of Commons as Prime Minister? (hint—there are two of them)

Spaced Out

7. What are the names of the asteroids past which Galileo is expected to fly on its way to Jupiter?
8. Now that Voyagers 1 and 2 have finished visiting planets, what is it they're looking for?
9. What was the name of the first Venus lander?
10. What impressive canyonlike feature on Mars is named after the Mariner spacecraft which first mapped it?
11. When is Halley's comet next expected to visit our neighbourhood?
12. Name the two closest regular galaxies to Milky Way.

Mr. Death
(and dag)

Masthead

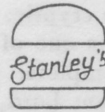
Your esteemed (and weary) editors
Dave and Paul

Another issue of mathNEWS massively behind schedule. Catastrophe reigns and sleep has fled! Anyway, thanks to all who came and helped out.

Robulyn, Koorosh Shahrokh, Andrew Smyth, Roger Maxwell, Stephan Mueller, Trevor Green, David Nuttall, Michèle Renaud, Becky Riedl, and everyone else who didn't get around to signing the attendance list.

Many thanks to Marion and Graphic Services.

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Vanilla GridComments

I don't wanna play school no more

Did you know that "blet" is a word? It's in my dictionary! It means "a decayed spot in fruit". Neat, huh? I hope everyone had a good slack week, at least one better than I. Without further ado, we go on.

Correct cryptic submissions were received from: Vectorman; Vistlik the Romulan; Rich and famous; Captain Chaos and Berserker Cat; Travelling Salesman; Thanatos, The Evil Galactic Warlord Larry, mouse & help from moo-moo Bunny Lips; The Easter Bunny & Lips—You Know It!!; dB; The Avalonians; The HitchHiker, et al.; The Mock Chickenloafs; Thinkdude; Millenium Falconer. Macgician; Pcecil; and Auntie Annie & the Pup submitted incorrect solutions for the cryptic. The conventional must have been nearly as tough as one of mine. Only three submissions were received, none complete. Conventional attempts came from: Vistlik the Romulan; Lord S'Djawkheril (just kidding); and Mrs. Skull.

Favourite swords were: The Sword-in-the-rock, dude!; Anything of high caliber, X is good; Sod is a good s-word; Super Pas Sword; Veesh; Anduril; Whirling Hall of Knives; That's a rather personal question!?!; My favourite S word is *scilicet* [That makes *two* new words today! Wow!]; Caliburn, aka Excalibur; +3 sword of calculus prof slaying; Shucks; Sarcophagus; Glamdringel; 'Sblood!

Comments: Ack Ig; Muchos gracias por los nombres grandes...; And this one without a dictionary or thesaurus!!; You have successfully dethroned the GridGod, scilicet fletniowski; You can lead a yak to water, but you can't teach an old dog to make a silk purse out of a pig-in-a-poke!; [...] Let's have a little more of a challenge next time!!; Some people are so unhip, it's a wonder their bums don't fall off; Try the turkey, it's fresh today!; Best fun I had all slack week [That's good?? I think?]; Ooog; Not a bad GridWord, pity the weather couldn't have been better; Good difficulty level (conventional); mathNEWS? — I say mathPUZZLES; A woodchuck can chuck 0.43 cubic cubits; Not Bad!

This sesquifortnight's GridWinner is dB. Ne can leave a note if ne wants nes prize. (They aren't done yet, surprise surprise.) There is, again, no conventional winner. Sorry guys, but thanks for trying. Maybe this issue's Grid is easier. By the way, this is another recycled Grid — take that as you wish. (Sorry Vistlik.)

Solutions are due by 18:30 on Monday, March 12th in the BLACK BOX or under the mathNEWS office door. Maybe you could turn them in at deadline and hang around to help out on issue #5...

Lord S'Djawkheril
with help from fletniowski

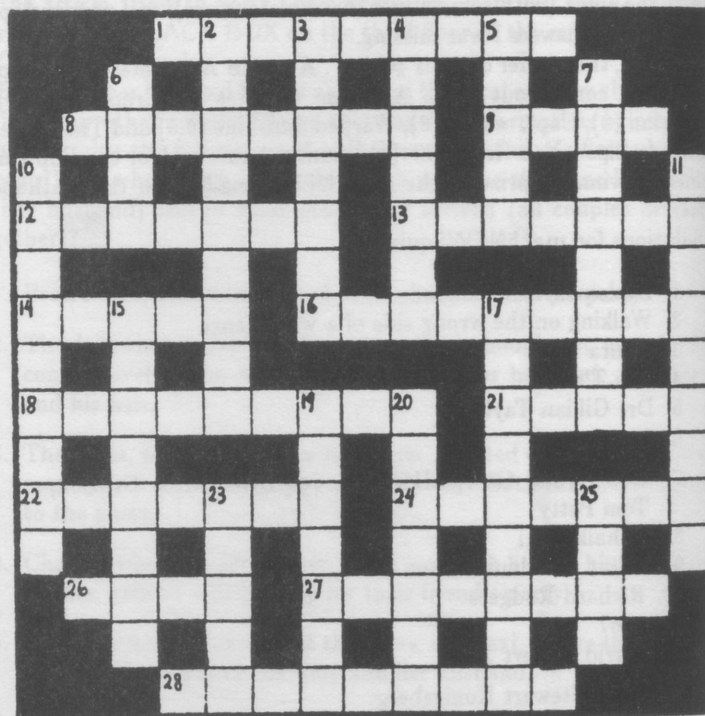
CONVENTIONAL

Across

1. CHEESE
8. BOARD GAME
9. ARRANGE
12. REJECTED
13. KEEPS YOU GOING
14. GREEK LETTER
16. NOTRE DAME RESIDENT
18. AFRICAN SEGREGATION
21. MEASURING DEVICE
22. FORTRESS
24. MUSICAL
26. LEAVE OUT
27. APES
28. ALIEN

Down

2. NON-STOPPING
3. WIDTH
4. CERTAIN ASIAN CITIZEN
5. HAPPEN AFTER
6. COOK
7. PROLONG
10. GESTATION
11. FOLLOW IN REVERSE
15. INTERVENING PERIOD
17. DISGRACE
19. OVAL
20. INCRIMINATING
23. AS BEFORE
25. PROFOUND



Name: _____
Favourite Epitaph: _____

Comment: _____

CRYPTIC

Across

1. Started among the thing. I consumed many (9)
8. Back an alien with bullets or a companion (8)
9. By way of fifty bottles (4)
12. These years. note. take a real directionless leader (7)
13. A gold street left breath in another country (7)
14. Implied I'm in diplomacy (5)
16. Enters the service again about a letter of rosters (2-7)
18. Out of lively existence. direct knowledge (9)
21. A hundred in a thousand is left chaotic (5)
22. Cereal is nothing at lunch (7)
24. Love poetry starts across the water (7)
26. Leap to guilty or not guilty (4)
27. The animal has a french fry brother. I hear (8)
28. Isn't complete to relax the resistance of confinement (9)

Down

2. The United Nations back me to tell nothing right of the top fraction (9)
3. A real triform towed vehicle (7)
4. The middle of the road has ire (7)
5. The First Ladies have a hangover (5)
6. Raise a feeling of Armageddon (4)
7. Not one gentleman has a newspaper up at the fort (8)
10. A portion fowl over Athens (9)
11. Taco saw it about the garment (9)
15. Certain seats covering it and less seats leading (8)
17. The strange numb realm of timber (9)
19. Sickly here, French start to be prohibited (7)
20. Currently, I ripped up the sexual material (7)
23. High spirits among the latest (5)
25. Without a southern continent and an eastern province (4)