

Volume 37 Number 4

15 February 1985

math NEWS



YOU will *accept* this job!

AfterFASS

Altogether Too Much Quiche!

dan gets a haircut

Why not?

Grop!

LookAhead

A glance at upcoming events

Math Events
15-18 Feb Quebec Winter Carnival
20 Feb Video Night
23 Feb British Pub
6 Mar Pizza Day
Fed Flix
<i>starts 8:00 pm in AL 116</i>
<i>cost = \$1.00</i>
15-17 Feb All the Right Moves
22-24 Feb Educating Rita
1-3 Mar Ordinary People
Cinema Gratis
<i>starts 9:30 pm in the CC</i>
20 Feb Next Stop Greenwich Village
27 Feb Smash Palace
6 Mar Ordinary People
UW Arts Centre
<i>Call Humanities Theatre Box Office at</i> <i>885 4280 for more info</i>
<i>Art Gallery</i>
until 17 Feb ...but is art? <i>Computer art from UW's Computer Graphics Lab!</i> opens 21 Feb... Rome Retrospective
<i>At the Humanities Theatre</i>
15 Feb Murray McLauchlan
18 Feb Salome Bey
22 Feb Southwestern Adventure <i>(part of Kiwanis Travel & Adventure series)</i>
23 Feb Alligator Pie
26 Feb Best of the Cannes Festival <i>(world's best commercials!)</i>
DCS Courses
Free! One to three one-hour lectures; contact DCS to register or for more info.
18-20 Feb UNIX for Documentation
Co-Ops Only
Math schedule...
18 Feb-8 Mar Interviews
AM/Eng schedule...
25 Feb-15 Mar Interviews
mathNEWS Important Dates
25 Feb Articles deadline for next mathNEWS
26 Feb mathNEWS Production night 7 pm, MC 3038—join the fun!
1 Mar Next mathNEWS hits the streets
Other Stuff
16 Feb theatresports! Live improv comedy (or tragedy—your choice) this Saturday, HH180 2000 hrs.
19 Feb UW President Doug Wright featured on CBC-TV The Fifth Estate
4 Mar Pre-Registration for f85—PLAN NOW!

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mathNEWS Contest Announcement

Riding the "Get Around Gang" is not the most exciting thing that you will do with your day. Those stupid advertisements soon get boring. What to do? Especially in the winter when all the windows are fogged up and you can't see anything. And, naturally enough, there are never any gorgeous girls/guys on the bus that you can dream about. When this happens, it is fun to watch the other people in the bus to see who resembles a Muppet. It is something that we all do, and we all enjoy it. It really makes the end of the journey go quicker when you can laugh about the guy at the other end of the bus who looks like Grover.

Well, we at mathNEWS have noticed that on campus there are a large number of students, staff, and faculty that resemble Muppets. You know the one: the girl in Calculus class that resembles Big Bird. The Algebra professor who looks like Bert. And we have decided to make these people famous, by introducing: **The First Annual Muppet Look-A-Like Contest.**

To enter, all you have to do is send in a picture of the person you think looks like a Muppet. On the back of the picture write your name and ID number and the Muppet that you think the person resembles. It's that easy. mathNEWS does not require the name of the person on the picture, but the person must be associated with the University.

There are many categories and you may enter as often as you wish. Print your name and ID on the back of the picture and drop it off at the mathNEWS office or in our mailbox. Here are the categories:

- Bert
- Big Bird
- Cookie Monster
- Fozzie
- Gonzo
- Grover
- Henrietta (Gonzo's Chicken)
- Kermit
- Miss Piggy
- Rowlf
- Or any other Muppet that we forgot
- Note: No Fraggles, please.

Dr Ernie

Flanagan Wins Fed Presidency

Scooter!

mathNEWS staff

Waterloo[mN]— In a surprisingly close race, Sonny Flanagan and Mark McKay won the Federation election held Tuesday and Wednesday of this week. Taking 1 155 votes (34.5), they squeezed past the Jeff Wilson / Kathryn Seymour slate which took 1 099 votes (32.6%), and the Scott Forrest / Will Grove slate, which took 1 065 votes (31.8%). There were 31 spoiled ballots and an overall turnout of 22.7 percent of those registered to vote.

At the Math poll, the Flanagan team took 247 votes (43.9%), with Forrest taking 175 (31.1%), and Wilson only 140 (24.9%). Meanwhile, in Engineering, Forrest led with 183 (40.1%), followed by Wilson with 147 (33.2%), and Flanagan with 111 (24.3%). In Arts, Forrest led with 178 (36.6%),

Flanagan with 168 (34.5%), and Wilson with 139 (28.5%).

The surprise of the evening was the strength of Wilson, buoyed by a 364 vote return in the mailout (49.3%), compared to Flanagan with 213 (28.9%), and Forrest with 161 (21.8%). Wilson also tied in HKLS with Forrest with 82 (37.1%) while Flanagan had 57 (25.8%), and in Optometry with 38 (56.7%), compared to 22 (32.8%) for Flanagan, and 7 (10.4%) for Forrest.

Analysing the on-campus voting alone shows what developed into an almost anticipated trend; where Flanagan took 942 votes (36.5%) to 904 (35.0%) for Forrest, and 735 (28.5%) for Wilson. The Flanagan forces took ES, Math, IS, Science, and St. Jerome's with tallies around 40% of the vote, while Forrest took Arts, Engineering, Renison, and tied for HKLS. Wilson won only the mailout and Optometry, as well as the tie in HKLS. Otherwise, the Wilson vote tended to be about 25% in the polls they did not take, while Forrest was closer to 30% as was Flanagan in the polls they did not take.

Turnout in Math was 28%, compared to 22.7% (3348) overall. In ES, 30.4% turned out to vote, while only 19.2% turned out in Arts. Response to the mailout was 22.4%.

The results, announced to Tom Allison, current President of the Federation at 10:02 pm, were viewed by Math Society President Tom Haapanen as "Somewhat akin to what I was expecting, but closer than I thought. ... I expect we will be able to work closely with the Flanagan administration." Due to extensive celebrations on the part of the victors, we were unable to obtain a comment from the President-Elect for this issue, but when he starts his promised office hour at MathSoc, we hope to be then able to obtain a full interview.

New Minister Backs Off Over Bovey Report

Scooter!

mathNEWS staff

Waterloo[mN]— The new Ontario Minister of Education, Keith Norton (MPP Kingston and the Islands), started his job off on a surprising foot by stating that he did not support two of the more contentious findings of the Bovey Commission into the Future of Ontario's Universities Tuesday. Himself a former elementary school teacher, Norton did not agree with the needs to limit accessibility by four percent, nor, he stated, did he feel that it was warranted to increase tuitions to a full twenty-five percent of the costs of university operations.

Norton, only in the cabinet since 1977, distinguished himself in his first ministry of Social Services, where he worked to improve the children's aid facilities. Also serving in the Environment and Health, he still holds a reputation of concern for the little guy. This ability to smooth ruffled feathers should also assist in implementing the extension of full funding to separate schools and possibly even to an acceptable, long-term compromise to solve the funding problems for post-secondary education.

British Pub Night

In Club 750 on Saturday the 23rd, MGB presents the British Pub Night, featuring three comedians plus Irene and Carla all the way from the Brunswick House in Toronto. Also Fish and Chips, and British beers. Tickets are only \$3 Feds, \$4 for others, and are available at MathSoc or the Fed Office. So get y'mates and y'bird and join us for a pint and a jolly good show.

MathSoc Council Report

Scooter!

mathNEWS staff

Waterloo[mN]— MathSoc held its budget meeting on January 30 and confirmed the budget as appearing in the last issue of this paper. Of note is \$360 for the Computer Science Club to begin refurbishing its office, \$100 for the Open Computing Group, which is an effort by several people in and about the CSC to establish a computing facility where anyone may obtain a computer account free of charge and commitment, so long as it is not used for course work. We hope to bring more about the OCG in an upcoming issue.

MathSoc also announced that it was planning to renovate MC 3001, the undergraduate "smoking" lounge, to be a common, and tentatively non-smoking, study lounge. Financing for this project will come from a special reserve fund managed by the C+D.

Orientation '85

Orientation next fall promises to be one of the best ever, but only if YOU (ie. the person reading this) get involved. Wouldn't you like to corrupt instead of being corrupted, abuse frosh you don't even know merely because they're frosh? You can get them drunk, get yourself drunk, get me drunk (please) !!!

Does the prospect of engaging in highly mathematical discussions with eager young minds excite you? Probably not!! That's why we need you to otherwise occupy their time, minds, bodies, etc.

Anyway, to the point: we, the presidium of the Orientation '85 committee, in a burst of unexpected assertiveness, have announced that a meeting will take place on Monday, Feb 18th at 4:30 in MC 2034. All interested (or non-interested) people (or non-people) are welcome.

Sincerely,

Colin Biggin + Mark Haygarth
Orientation '85

Entertainment

by Marcel Kahnt

Now that FASS has past us by and mid-terms haven't, we have a chance to claim that we need to escape from the pressure of it all for something of a lighter vein.

Heavenly Bodies

Starring Cynthia Dale, Richard Rebiere

RSL Entertainment Release

Directed by Lawrence Dane

Playing at Frederick Mall

Don't let the title fool you, this is a serious movie! In many ways, it is similar to *Flashdance*, except that it is better choreographed. I thought that the soundtrack to *Flashdance* was good, but this is much better, and I await its release (I hope they are going to release it) with anticipation. Quickly, the story is of one woman and her two friends who start an aerobics studio by the name *Heavenly Bodies* (Hence, the title). It is very successful; so successful that the established, big name fitness club in this mythical city (which bears an uncanny resemblance to Toronto only because it is Toronto) tries to put our heroine out of business. A final showdown is arranged and the results, while predictable (what do you expect in a good vs. evil confrontation), involves the audience so fully that you cannot help but share the thrill of the outcome, to the point that you are almost exhausted as the actual competitors.

Movie Night

I thank Colin Biggins (no relation to Bilbo Baggins) for passing on his tentative list of films for next Wednesday's

Beautiful

It is a trying time of the year. Half the term has passed and midterms are taking their toll. Winter is at its worst, cold, bleak and oppressive. Though i am on work term at present, i am very familiar with the trials of the season and i wish to bring encouragement.

A friend once said that she sought the real happiness that would last for her lifetime. Now i have much happiness. Lesson—happiness isn't so hard to find, just relax and it will come on its own.

Happiness can be found in little things where it is not expected. If one has expectations one can only be satisfied or disappointed. If one lives without expectations one can only be pleasantly surprised. This i know to be true.

People tend to worry too much, especially about material things. I see so many people rushing about, building walls to knock themselves against, struggling upstream but not knowing where they are going. There's a beach here, welcoming people willing to relax.

Learning to relax is very important. A step in the right direction is to free yourself of your fears—particularly fear of things you don't understand and fear of what people will think. Nobody really wants to hurt you. We all really just want to be happy and we all can be without hurting anyone. Love people.

Video Night. There's quite a list of quality, and then there's *The Last Starfighter*. Some people feel I dump on that movie too much, but even though it is popular on VHS and Beta, I still feel that it was a turkey extraordinaire. Otherwise, the remaining features range from terrific to tremendous. Other titles include *Blame It on Rio*, *Where Eagles Dare* (with Eastwood and Burton), and *2001: A Space Odyssey*. It's a perfect reason to postpone an assignment another night.

Fed Flicks

This weekend is *All the Right Moves* with Tom Cruise. I'm not crazy over it, although I must admit that, if you liked *An Officer and a Gentleman*, you will likely not mind this. Next weekend is the feature *Educating Rita*, which, while I haven't seen it yet, I understand that it is good. Who knows, you might see me in the line at AL 116.

Cinema No-Charge

Wednesday you will find that *Next Stop Greenwich Village* (that doesn't quite sound right, does it?). I rank that as a should at least make a chance to see, if t wasn't for the MathSoc Video Night. However, the following week, with no Video Night to compete, the Turnkeys have brought out *Smash Palace*, which is actually not bad fare.

Miscellaneous

Next Saturday at Club 750, the MGB Committee is putting on a British Pub Night. With an atmosphere that must be seen to be believed, this is an event that you will enjoy and remember for a long time, or at least until the hangover is gone. It's ranked as a "You've got absolutely no excuse for missing this one" event, so I hope to see you there. Until then, take care and enjoy.

At this point you might suspect me of preaching someone's religion. On the contrary, i am the spirit of my own "religion" and i have no expectations of developing a following. I do not mean to preach. I really only intend to communicate a wish for your happiness.

Love people, all people. Look at people for what they are and they become very easy to love. People are all complicated combinations of minds, hearts, bodies and souls, with a common denominator of needing to give and receive love. That's what makes them great.

There is no need to religiously pursue someone else's goal's or live someone else's beliefs. Look inside yourself for the answers. They are there in all of us and in finding them you will also discover a greater self-worth and real happiness.

Place importance on your own personal happiness—it is the best thing you can do for the people of our world. This may sound hedonistic, but i believe otherwise. Real happiness brings with it a generosity— a vehicle for which to spread the happiness.

That is my message—find personal happiness, real happiness—i know it will spread—and love people (it'll be a source of more than just personal happiness.) I wish you luck and welcome you to share in my happiness.

Let me say that again—you are welcome to share in my happiness. There are others, many of them, who feel as i do and i hope that, when you are in need, you can take comfort in this knowledge.
dan schnabel

Prez Sez Fees? You wanted fees?

We (myself and several other mathSOC reps) met with the Faculty last Friday (a week ago) in the Faculty-Student Liaison Committee. The main item on the agenda was the proposed \$60 computing fee. I've been trying to solicit opinions from people on this issue, and I passed them onto the Faculty. Results? Depends. They listened and said that we had very reasonable opinions. However, they are not bound by the Committee's recommendations. The following is a condensation of everything we know about the fee issue:

- No computer usage fee has yet been approved. It was merely a proposal in Dr. Wright's budget. Admittedly, it'll likely go through in some form, but it has not yet been approved.
- The fees are likely to be decided on a per-faculty basis, as the use of computers varies widely across campus.
- Nobody is pushing for the \$60 flat fee any more. This has been abandoned as there is no "general use of computer facilities" outside of courses.
- The Faculty suggested the possibility of a graded \$20-\$40-\$60 fee in place of the \$60-or-nothing fee in order to have just (?) fees for those courses which use computers but can not be strictly classified as "computer-intensive". However, this does not seem too likely, for two reasons: (1) There is greater administrative overhead, in both charging and classifying courses, and (2) this would lead to a greater "steering effect" with students taking a different course just to save \$60. With the flat \$60-or-nothing course fee, the steering effect is limited mainly to CS courses. The "unjustness" of the medium-usage courses' fees will also even out over the length of one's university career.
- The fees should be placed into a distinct fund earmarked for equipment purchases. This was mainly suggested by students, but the Faculty was quite responsive. It's possible, however, that some maintenance costs would be paid out of this fund, but in general it would be used to purchase new systems (anybody out there think there are too many people on watrose?) and/or peripherals such as terminals and Sytek boxes.
- Our final request was that there be some student input into the process of determining which courses are computer-intensive. This would be in order to prevent arbitrary designation of courses such as STAT 231 or CS 350 as computer-intensive. This was probably the least popular of our suggestions, but we feel it definitely needs attention if the fees are implemented in order to provide future protection for the students.
- Of the Fed Prez candidates, Jeff Wilson and Scott Forrest have said that they "will fight the computer usage fees all the way" (my quote, don't sue mathNEWS...) while Sonny Flanagan states that there

should be no flat fee, but that he believes in paying for what use and so the per-course fees. When you read this, you'll know who the prez is. I hope you made the right choice...

I personally don't especially like the fees (I've got a double 4A/4B school term coming up) but if they'll help the acute computing service, and the alleviating terms that I outlined above are used, I think I'll rather pay them, thank you, than suffer on underfunded and overloaded computing systems. However, if you have strong feelings about this, please come and talk to me at mathSOC in MC3038, extension 2324. I'd appreciate hearing what you think.

Tom Haapanen
The Prez

Ode to Rogue

On a dark winter sidewalk,
Freezing blasts through my hair,
Sweet smell of wet concrete,
Rising up through the air.
Up ahead in the distance
I saw a huge mass of grey
Even though I had to do my Stats,
I went on inside to play...

There it sat in the classroom
A VC-404.
And I sat down in front of it
Like I had n times before.
I called up WatUnix
And I shifted my seat.
Cracked my knuckles and asked for Rogue
Prayed for monsters' defeat.

Chorus

Welcome to the WatRose Unix dungeon
What a slimy place, what a grimy place.
Plenty of time found to play the Unix dungeon.
Just forget your class, this thing too shall pass.

I got put in the dungeon,
Into level nineteen,
My tenth rank cleric
Hadn't heard the banshee's scream.
As I rounded the corner,
I found a dragon's foul lair,
It was time for a fight to the death:
Computer vs. Player

As I parried against it,
I was burned by its breath,
Tried to pray for a healing spell,
But I got only death.
Now I try to forget it
As I work on my books
You can logout any time you like
But you're always hooked!
(Guitar Improv. and Fade)

(Apologies are extended to the Eagles)

Nobodaddy

Part Four

He wandered in unchanging twilight for what seemed to be endless hours. By some strange logic his watch had become a tiny hourglass about his wrist, and the sand in it flowed not at all. He had fallen from the air, from a great height but without injury, from one season to another. The sultry June became a cruel whining winter month, a nameless companion to the Jotuns we call December, January, February. Fred had plunged into a four- or five-foot embrace of snow, draped in a towel from a deceased hotel that he suspected was millions of light years away now. He named the plane or planet Wintern, and he hated it.

Time was unyielding. It passed in unbearably long moments, but he did not feel his heart beat, did not feel hunger or the need to micturate. Likewise cold did not creep into his veins, or frost snatch at his extremities. It came to him that he might possibly be dead, stranded on an endless funeral plain. But alas, that was too simple an explanation. Besides, even with his mystical bent he knew that death had to be more than this; it had to have trumpets and posaunes and great rattling carts bearing cavorting corpses. It had to have drums and cries and faceless messengers steering souls like ... well, like steers. This lot to the garret, that lot to the cellar. He feared death because it meant not learning anything more of the Earth, and he was glad he had eluded it again.

Forty days in Sinai desert would be nothing compared to this. For what he was sure was five years he wandered in that wasteland, hearing only stray snatches of T.S. Eliot that were quickly recaptured by parsimonious troubadours that lurked unseen at Fred's elbow. In his mind were the only vestiges of the real world, the real, soft, yielding world that he once knew as the only world. He honed his mind, trimming out untruth and trivia, judging by no rule. At the end of this time he was ready.

A forest appeared on the horizon. It was no miserly grey band of trees but rather a frothy green expanse, rushing psychedelically to meet him. Soon he was shouldering by small ferns and shrubbery. This was a forest on the move, migrating from edge of the world to the other. When it was thickest about him and he had to dodge the rolling conifers, a whistle blew and the forest halted, chlorophyll steaming from its nostrils.

An invisible mathematician walked down an aisle of bowing larches toward him. She was blonde with a pale complexion and held a small grey computer under her arm. She was distracted by something and failed to see him.

"Er, excuse me."

"Oh, I am sorry. I did not see you there. Here, put on some clothes."

From a tree she produced a pair of grey overalls with a Greek epsilon embroidered on them. Recovering his modesty Fred donned them quickly.

"Could you tell me where I could get to a phone?"

She shrugged. "I do not know what I cannot name. It is best that I go now."

Fred ran to her desperately. This was the only person he had seen for five years and perhaps his only chance for change.

(to be continued)

Opinion

re: Just Stop and Think (mathNEWS, 1 Feb 1985)

JSaT reads like a requiem for the purpose of mathNEWS. It has long been acknowledged that mN contains "very little math and even less news". Today, with Vol 37 no 3 in front of me, I wonder what it is.

Could it be GridWord with 9 pages of filler? No, I think not, although it is sometimes difficult to tell.

What then should mathNEWS be?

Should it be a forum for debate on today's issues? We are, after all, in an intellectually stimulating atmosphere, where schedules and priorities prevent organised debates or discussions. Yet, can't Imprint be that forum? Shouldn't Imprint be that?

Should mathNEWS be a place for heavy philosophy? If that's the direction we're going to take, perhaps we need an armchair philosopher's page. It may (or may not) be a good idea, but discourses on the nature of man are somewhat incongruous when stumbled on between MathSoc news and album reviews.

Should mathNEWS be a place for news of the math faculty and society, various reviews, and humour? Yes, definitely, for mathNEWS is an old friend for Friday Algebra classes.

Politics? Why not? Mathies certainly have the ability to hold intelligent discussion of issues, and controversy is the lifeblood of democracy.

We of the crew sense confusion on the bridge. Do we have a course, or are we just drifting?

with respect, Sauron

Yes, we are drifting, but we are not entirely without direction. mathNEWS, unlike Imprint, relies heavily on its staff and regular contributors to give it its spirit and direction. Unfortunately this staff and these contributors change every four months; sometimes (compare the paper last term to this term) the change is quite radical. To move away from this sort of editorial vagrancy we are in the process of setting up an editorial board for mathNEWS that would be able to direct policy and planning over the course of years rather than terms.

The present weakness of the paper (in your view) is no one's fault. It is perhaps the product of too little new blood and too few new ideas, or it could be a lack of real support from the students in general. Rather than hazard guesses as to the diagnosis, I would suggest that part of the cure would be to involve more of the crew in the work on the bridge, and I invite you, Sauron, to join us next production night.

Tom Ivey, Editor

Most proofs that I have seen end with "QED" or " \square ". However, all of my Math 234A proofs end with "Similarly for scalar multiplication".

QED

Feedback

Faith vs Science, and Quiche

To the Editor of mathNEWS

The mathNEWS "Opinion" (Jan. 18) signed "blsccarc" was a review of my Imprint article "Faith in God vs. Science".

First, I would like to correct a misunderstanding: the so-called speed of light on earth is a scientific concept which gives in my opinion no direct information about the nature of visible light in the distant universe.

In the "Opinion" a very old universe was swallowed more easily than God's recent creation, but this news from math ignores that confidence in a very old universe requires enduring faith in recent mathematics.

Astroscience holds in general that the physical constitution of the heavens are as on earth, which is the so-called homogeneity of the universe. In spite of this rather sweeping assumption which no man can prove ever, a large number of mathematical models represent the world today.

All solutions of the field equations of Einsteinian relativity carry the light speed as a constant, which is measured on or close to the earth, and this generates a travel time for light in the universe in billions of years. The universal constancy of light speed is a paradox for speeds change in general, but it makes light a yardstick for time in relativity and cradles a belief that the world is very old.

Astroscience today is a free enterprise zone for mathematics, but can neither prove nor disprove God's creation.

Judaism and Christianity are not as consistent as mathematics, which is disciplined by strict rules of deductive logic and tends to be boring even if it carries assumptions which sweep the universe. God has given even fallen man an unbelievable freedom, but expects us to have faith in the sacrifice of His Son Jesus in spite of the things that happen on earth.

J. Schroeder, Dept. of Civil Engineering

I've discovered a major error in your article on "Quiche Consumption". In it, you were discussing if quiche ate quiche and concluded that they do not. By using an alternative method, I've discovered that quiche DOES eat quiche! The error in your formulation was that you assumed that the product of the interaction between the quiche_consumer and quiche was 0. This obviously creates a contradiction, since this would imply that nothing was left after a quiche tried to eat a quiche (i.e. both disappeared)! Barring a matter-antimatter interaction (which would require the transition of the eater-quiche into antimatter upon being hungry (an unlikely proposition)), we must conclude that the product of the interaction is actually:

$q_c q_f = q_f$, where q_c is the quiche_consumer, q is the quiche_to_be_eaten, and q_f is the quiche_consumer after eating (i.e. the full quiche).

Zero does NOT eat quiche, since, if q_c equalled 0, q_f would also equal 0, thereby making the quiche_consumer unchanged. Likewise, if the quiche_to_be_eaten is zero, q_f is zero, proving the trivial result that, if there is no quiche to eat, quiche will starve to death.

If the quiche_consumer and the quiche_to_be_eaten are both non-zero, then q_f is also non-zero. Therefore, the quiche_consumer is changed but still there. However, the quiche_to_be_eaten is no longer there! Barring matter-antimatter reactions, it must be concluded that the quiche_consumer ate the quiche_to_be_eaten.

Therefore, either:

- quiche eat quiche, or
- two quiche placed beside each other will annihilate each other with NO residue.

I hope that this clears up the controversy.

Sincerely, Carlo Sgro

Chef Dwarf comments:

Please recall that zero, since it is a real number, and thus a complex number, is also quiche. Thus, if zero is placed beside a non-zero number (or quiche), zero (which is quiche) results. For those taking M234B, one can look at quiche with the operation of multiplication as forming an Abelian group.

Editor's Notebook

Went to see FASS Friday night. Excellent performance, excellent writers, excellent show—but I'm sure you don't need me to tell you that if you went too. The whole milieu of the show was so interwoven with jokes and sidewise references that it reminded me rather of *Finnegans Wake*. Carla, if that is type-casting, what type *are* you? After FASS followed a bit of multiculturalism around campus. Why was there no United Empire Loyalist pavilion? And what happened to the Armenians, Kurds, Magyars, and Cajuns? Still, the Campus Caravan was fun and I wish I'd seen more of it.

Item two on the agenda is winter, that cold, cruel necessity. The Coalition of Warm-Bodied Beings Against Winter (CWBBAW) is a fledgling organisation founded to protect the rights of students and other wayfarers against cold, snow, sleet, hail and cafarad. Currently we are lobbying the City of Waterloo (Oh, illustrious giver of parking tickets) to place a retractable dome over the central part of the city. After all, if Toronto can have one (mind you, theirs is only over a stadium) why can't we? Plan B is to persuade UW's sage governors to build the ICR building somewhat farther south (eg. Florida or Tristan de Cunha) than its present proposed site.

Item three is what you hold in your hands, mathNEWS. With its gently mirthful pages mingled with the persuasive aroma of new ink, it is perhaps your most precious possession and an ideal gift for the holiday season. Why, if you forgot your Valentine (male or female) pining away in Bracebridge, you can send mathNEWS, even when you mean to send the very best, or even when you mean to send a truckload of hungry lions. In the meantime, hang loose and you won't get tight. (That made sense, didn't it? (Scooter! demurs.))

Tom Ivey
Once and Future Ex-Editor

Math Grad Ball

Grads! Grads! Grads! March 23rd is fast approaching and with it comes the notorious Math Grad Ball. For a mere \$40/couple we can promise you a delicious beef, ham, and turkey buffet at Bingeman Park's main ballroom. The later hours of the evening will be spent floating, twirling and rocking to Toronto Harbour. They play anything from Tom Dorsey to Billy Idol!

You will receive a pair of complimentary MGB wine glasses, a bottle of wine with dinner, free cocktail punch, after dinner mints, complimentary coatcheck, coffee and goodies at midnight, door prizes, and much more.

Tux's are available from Collin's House of Formals at a discounted price for those who are interested. A tux is \$50; tails \$55. Fittings should be done before March 2nd to ensure desired selection. Schnarr's Florist is offering a 15% discount and a deal on a special MGB corsage: three sweetheart roses (choice of colour) for \$5.00 (reg. \$7.75).

The Class of '85 will be making a special presentation to the Faculty of Mathematics in memory of Dr K.D. Fryer.

Tickets will be going on sale this Monday through Friday (18-22 Feb). Watch for the ticket table on the 3rd floor. Buy early, they go fast.

Collins House Tux \$ 50. of Formals

Tails \$ 55.

Shoes \$ 5.

579-5420

659 King W. Kitchener

Fitting should be done by March 2nd
for best selection.

Do it! You won't regret it!

Special MGB discounts Almost 50% off!

Villagegate Revisited

It looks like Villagegate is still going on. The 5 February issue of *Pennysaver* (a local newspaper for classified ads) included an innocuous-looking ad with an interesting phone number:

CONSTRUCTION/Traffic/Beer Signs for sale.
Look just like the real ones. Reasonable. Moving
soon. Call 885-1211 ext. 3211.

It looks innocent enough, but the phone number belongs to UW Security! Unfortunately, when one calls Security requesting specific information about the signs, the voice at the other end chuckles in amusement and says that no signs are for sale, that it's all just a joke. So who put in the ad? Who knows. It's too bad; a neon "Welcome to Miller Time" sign would look really nice in my living room window.

B.S. Tomcatt

Schnarr Florists

504 Albert St. Waterloo

884-3281

Special MGB Corsage
3 Sweetheart Roses
for \$5.00 (reg. \$7.75)

15% discount for all other flowers.

UltraClassifieds

mathNEWS will publish your UltraClassifieds for free! Just write your ad down on a piece of paper, and send it to mathNEWS c/o the MathSoc Office, or via that black box across from the third floor lounges.

Great Deal: Hyperion portable micro-computer 256K, 2 5.25 drives, 300 baud modem, built-in monitor, various software with manuals (Lotus 1-2-3, dBase II, Inscribe, several games, others). Call Now 885 5679 before 9 or after 5. \$2500 (negotiable).

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T.A.Ivey

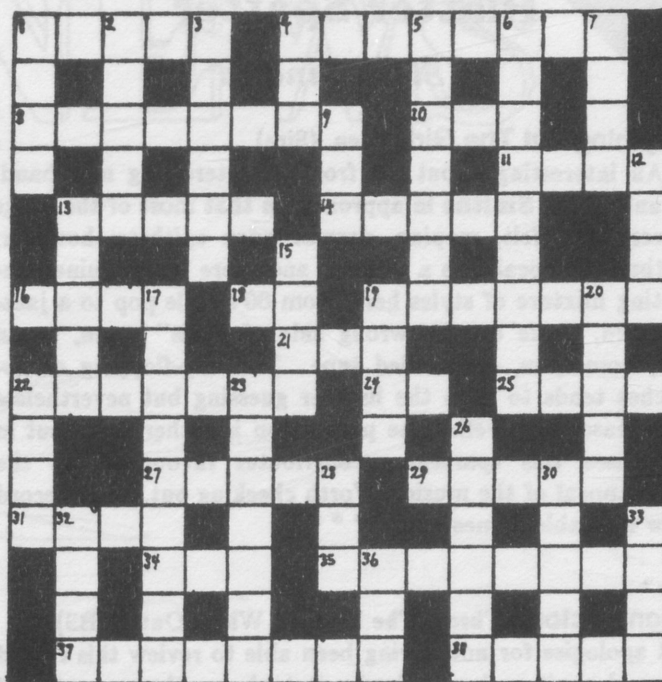
GridWord

By Frank Letnowski

Follow the clues and try to decrypt them if you can. If you wish any help, try to track down back issues of this term's mathNEWS and compare the clues to the answers. For a list of winners for last issue's GridWord, see the Grid-Comments article elsewhere in mathNEWS. If you complete this GridWord, submit it to mathNEWS—you could win a secret neat prize! Submit GridWord solutions via the black box across from the third floor lounges.—Typist]

1. Content and very quiet in the hay (5)
4. Map until you find the metal (8)
8. Gaily let strange conformity to law (8)
10. Every other oblong marsh (3)
11. Conceal that this is badly turned (4)
13. In two ways, inside winners (5)
14. Pay for it all unless Dutch go along (5)
16. At some point, the laboratory gets a slice (4)
18. If not, the metal loses direction (2)
19. Rub lace to ensure a remedy (7)
21. A breezy manner? (3)
22. Liberty formed strangely around eccentricity (7)
24. No, back over (2)
25. Ted gets shown the perimeter (4)
27. You need pull to eat this! (5)
29. The really rich give a word in music (5)
31. Sid left the first element of the meal (4)
34. Nothing splits in this atom! (3)
35. The old autos scared us, perhaps (4,4)
37. It's healthy to fix icy hinge (8)
38. The French hesitates but ogles (5)

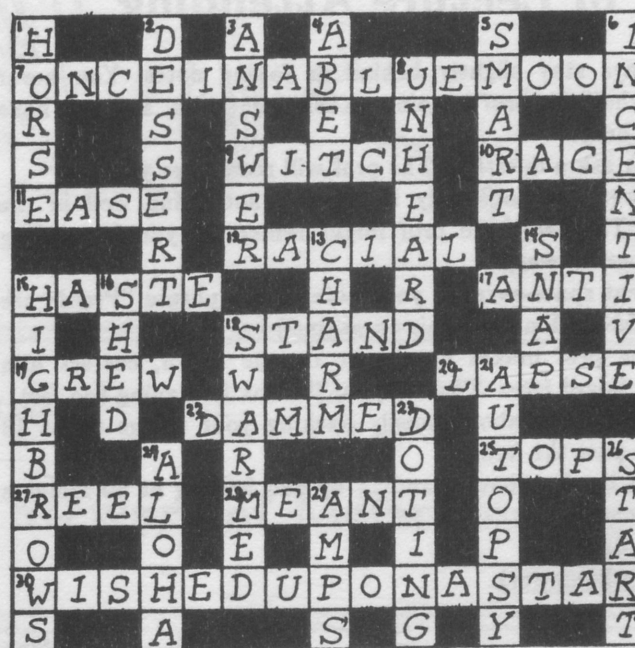
1. Laugh at the left stop (4)
2. It's heathen to get silver in a pan (5)
3. Screamed "Yellow!" painlessly at Mr Kennedy (6)
4. Place back-up at the first turn (3)
5. The gold-laden table is a vivid scene (7)
6. Dream about the evening horse? (9)
7. Males have a lot to fix (4)
9. Yes, the end increases still (3)
12. Otherwise, the letters go east (4)
13. Riled a lazy person, perhaps (5)
15. Mar a passing grade up with late study (4)
17. The right bean helps respiration (9)
19. Boast over a bird (4)
20. Reasoning the log of one hundred (5)
22. Fail at the end to parry (4)
23. It's a crime to show off encephalitis (7)
26. If I worship singer Billy, this has two meanings (2,4)
28. Thou soundst like a tree (3)
30. Angry, that is around the rodent (5)
32. It chooses to give irritation (4)
33. Osiris holds his wife (4)
36. Turn the case to find a pouch (3)



GridComment 9 From Outer Space

This time, we had submissions from Paulina Chin, Jim Dodd, Jill Fleischman, Mark Haygarth, Stuart L Hodgins, Robyn Landers, Judy Majsztrik, John McIntosh, Catherine Olin-ski, Jeff Petro, Angela Ruiter, Brad Sokol, and Rob Sutherland.

Unfortunately, with all these entries, we could choose only one winner. We took those submissions which were total-ly correct and did a binary randomised draw on these. The big winner this issue is <drum roll> Robyn Landers. Come to MathSoc (MC3038) to pick up your mystery prize. Thanks to all who submitted; you have another chance with this issue's GridWord.



Platter Spatter

by *Slash Sinatra*

Everything But The Girl: Eden. (Sire)

An interesting debut LP from an interesting new band. Not unlike the **Smiths** in approach, in that most of the songs are very heartfelt, moping, despair-laden epithets; however, this time the vocalist is a woman, and there is a genuinely interesting mixture of styles here, from 60's-style pop to a jazz-influenced, "cafe on the wrong side of Paris" genre, to an earth, homespun, countrified type. This flip-flopping of approaches tends to keep the listener guessing but nevertheless works reasonably well. The production is rather weak but in most cases this sparseness contributes favourably to the overall appeal of the music. Worth checking out. This record is now available domestically. * * ½

Fiction Factory: Throw The Warped Wheel Out. (CBS)

I apologise for not having been able to review this record sooner. I can't understand why it took me three months of searching the import bins to procure myself a copy. This baffled me even more after I started listening to the music. Here is an example of a straight-ahead pop album that does not rely heavily on "hooks", but instead relies on good production and good songs to carry it through. There is a nice variety of stuff here, and in my humble opinion this record has the potential to be very big—but unfortunately probably never will. The singer owes equally to Messrs Bowie and Sylvian, and the instrumentation is imaginative and lush. Worth the purchase price for the song "Feels Like Heaven" alone—just an amazing piece of music. This record is available on import only and is hard as hell to find. Highly recommended. * * * ½

Musings

You may or may not have heard of the sale of much of the assets of Dominion Stores Ltd. to A + P Canada about a week ago. To me it is of some importance as Dominion has been my father's employer for some twenty-six years now. He doesn't need to worry about losing his job as he is the Head Janitor at Dominion's regional main store in Kingston. For the first while, it was a point of concern as we feared Dominion may not have been able to transfer the store. The greatest concern on the part of the staff was to be left in the Dominion rump, as it would need to continue working from day to day, uncertain of the fate of the company.

Amongst the staff at my father's store, the company was not very popular. Only once did someone within the store move up to the manager's position through the ranks; and when he did what the employees felt was best for operations rather than what the company wanted, he was simultaneously transferred and demoted several ranks in the hierarchy. The current manager is the first one in the store's history to last more than two years, and thus far it has only been because he is one of the best cheese product salesmen in the eyes of Kraft (he has a permanent display that pushes cheeses and displays his half-a-dozen awards for cheese sales). A + P is not so likely to view that as sufficient reason to keep him on, especially when the manager of the nearby A + P is interested in this larger store and the current manager has one of the worst records with the union, and with the grievance board which consistently finds against him, in the Dominion chain.

My father looks forward to his new employer. He feels that, given that Dominion at times didn't seem to be too interested in selling groceries, A + P, which deals only in groceries cannot do any worse.

Scooter!

Hints on the Art of Lecture Attending

1. Do it
2. Always stay slightly behind in taking notes. You never know when the prof is going to ask a question, and you have to look busy.
3. Never ask a question. The prof will remember you.
4. Answer questions only if you are not doing well in the course. That way the prof might remember you (depending upon your answer).
5. A great space-saver in your notes is the phrase "Proof—see text". (Note: don't use this on exams!)
6. If the prof makes a mistake on the board, correct him about 1 board later. That way, he'll think he's going too fast.
7. Don't be shy about noisily packing your things up at 18 minutes past the hour.
8. Don't be shy about standing up and leaving at 20 minutes past the hour.
9. Bring coffee.
10. Bring homework.

grmcfarlane

You're In What?

How many times have I been asked: "What's Applied Studies!?!?"

Mathies, engineers, scientists and the like have called it artsy, while artsies have called it difficult ... Meanwhile, I have heard some A.S. people say it's for those who don't know what they're in.

All of the above contains some truth. As an A.S. student, I must take six electives in first year in addition to courses in CS, management, essay writing and a second language. Applied Studies is also co-op, so Needles Hall does become a haunt for most of the term. It may be difficult, though, to get employment related to our major, since our majors include such options as Religious Studies, Philosophy, and languages.

At best, you can call us general specialists or maybe even specialised generalists. At any rate, we are doing what our program name suggests — applying our studies to our lives.

Barbara Stankiewicz
1B Applied Studies