

Help Wanted

As your newly elected (acclaimed) Mathsoc leaders, we wish to appeal to all you people out there who are the volunteering type. Mathsoc requires people (*you*) to fill out the remainder of the executive, therefore the Mathsoc office, MC 3038, would like to receive applications (or just come in and tell us you are interested) for the following positions:

Speaker
Social Director
Education Director
Internal Affair Director
Mathletics Directors
(1 male, 1 female)
Administrator

Let's have some *response!*

Gary Prudence (President)
Kevin Willis (Vice-President)

Vandal Diversifies

After a three-week sabbatical, the vandal returned last Sunday, March 28. It started three fires (one for every week of its vacation?), but it was obviously rusty from its long layoff. The only targets it hit were bulletin boards. In fact, it missed destroying a pamphlet about a Canada-USSR exchange program which was posted on one of the boards. It is conjectured that this was because the pamphlet contained non-inflammatory material.

In a very uncharacteristic move, the Computer Science department was not its major target on this night—the bulletin boards which it did scorch were located outside the C&O office, outside the HKLS office (it really diversified), and in the purple corridor outside the Colloquium Room.

The fires were started early in the evening, just after the Security Guard in

See Bulletin Boards for Hot News

The Building had gone off duty for the night. There were a great many people in the building at the time, but they were almost all on the first four floors, and the vandal's targets were on floors five and six.

One suggestion is to operate the doors on the fifth and six floors on the same basis as those in the library. That is, at night, only one door will be open to the fifth and sixth floors, and opening any other door will sound an alarm. Elevator service to floors five and six will have to be cut off at night. This could serve as a deterrent to the vandal.

A reaction to this suggestion, however, was that burnt bulletin boards are preferable to burnt circuit boards. The reasoning seems to be that if the vandal can't attack the fifth and sixth floors, then it will set its sights lower (to the third).

WEDNESDAY, APRIL 0, 1976
ISSUE A.A

mathNEWS

mathNEWS SUBSCRIPTIONS

Once more, as yet another term draws to a close, and a dark cloud of exams looms over the horizon, **mathNEWS** is again providing its readers with a unique opportunity to keep up with the happenings at UW over the summer through a subscription to the official weekly (fortnightly in the summer) publication of the only Faculty of Mathematics in North America. Yes, for a mere \$1.25, you will receive, direct to your doorstep courtesy of postesCANADAp^{ost}, a brand new issue of **mathNEWS** enclosed in a plain brown wrapper every second week throughout the entire summer. As only a limited quantity of each issue will be published, these are bound to become collector's items in a few years (perhaps even a few centuries) and will undoubtedly be worth several times their original value to all true connoisseurs of mathematics in the future. Start your collection with issue X.Y (where $X \in \{B, 11\}$ and $Y \in \{0, 1\}$ depending on who the summer editor is) where you can follow the incredible misadventures in the "Life" of the ubiquitous Burloaf. Follow this with issue X.(Y+1)

where "everything you wanted to know about computers, but were too dumb to understand" will be explained by Exil Q. Trob (provided he can understand them, of course). Keep up with what is (or isn't) being done by the Fed.of.Studs when *J. J. Looooooooong* reports. And of course, what would your summer be like if you could not exercise your mental capacities occasionally, by attempting to solve the *gridword*?

Clearly, your summer will be a total waste if you do not order your summer subscription to **mathNEWS**. *now!* So dig deep in your pockets through all the paraphernalia of the term that was, take out 5 shiny new quarters and send them to

mathNEWS
MC 3038
University of Waterloo
Waterloo, Ontario
N2L 3G1

Do this right away so you will not miss a single issue of **mathNEWS** during those long summer months.

Coffee & Donuts Pours On!

The Math C&D stand, in its never ending struggle against crime and punishment, will continue serving the poor people of this growing metropolis until the very last moment possible during that frightful time of year known as *EX-AMS!* So, without being totally ridiculous about the whole thing, the C&D stand will remain open until 5:00 p.m. on Thursday April 15, 1976. After that (or at least the Spring manager gets started), you're on your own!

By the way, three of the four positions necessary for C&D for the Spring and Fall terms were decided at the Mathsoc council meeting on Tuesday, March 23: the manager for the Spring term will be Gary Prudence; his lovely assistant will Anthea English; the manager for the Fall term will be Robert A. G. White; as yet, the position for assistant-manager is unfilled.

In any case, thank you all for your continued support this term.

Joe Lifshitz
Manager

BURLOAF

was eaten by the Eater, in three bytes.

Metric Conclusion

Well, we had only one British system supporter give us a reply to last week's quiz. Alan Goodenough answered most of the questions correctly, although he did a lot more work than necessary—the quiz quite explicitly stated that it was a quiz on the Imperial system of weights and measures. This meant that American measurements were not to be included, and that I wanted avoirdupois weights unless otherwise specified. Alan gave answers for every possibility, however, so he included the correct answers, along with several unnecessary ones, for each question. He should also note that it is called the Imperial system of *Weights and Measures*—the concept of mass and weight being different quantities is a relatively new idea, much newer than the Imperial system.

Alan Deacon also sent in his solution to the Metric Electricity problem set. He got 80%, missing the new definition of the curie.

Tomorrow (April 1), Canada enters a new stage in its metrication programme. Wind velocity and atmospheric pressure are going metric. Although wind speed will be measured in kilometers per hour instead of decimeters per third or even meters per second, and barometric pressure will be in kilopascals instead of kilometricals, it is nevertheless a step in the right direction. Please do not write to tell me that I have erred in stating that wind *velocity* (a directed quantity as opposed to speed) will have its units changed—every weather broadcast which I hear says something like, "Winds are from the south at 20 miles per hour", i.e., it gives a (directed) velocity, not just a speed.

Incidentally, how many of you know what pressure (in kilopascals) you should inflate your bicycle and automobile tires to? You'd better learn quickly, because I understand that that change is not far off. My calculations at shortly after 1 myth Monday morning lead me to believe that the conversion is approximately:

1 kPa = .14 psi (pounds [force] per square inch)

Well, the time has come to give you your grades in Metric 100. We decided to grade the course on a credit/no credit basis. The following students received credits: J.A. Coles, Alan Deacon, Alan Goodenough, E.L. Burke, Andy Fraser, Ron Steiner, and Owen Leibman. The rest of you have not been granted a credit. You may be required to take this course again the next time it is offered.

unclassifiable ADS

mathNEWS will print your ads, free of charge. Just jot them down on a piece of paper and put it in our mailbox on the third floor across from the C&D lounge, or take it to Mathsoc and have them put it in our mail slot, or put it in the mail addressed to mathNEWS, MC 3038, or send them in the mail subsystem on TSS to uscid mathNEWS.

Needed: Three- or four-bedroom townhouse to rent for September-December; will take over lease if possible. *Please* don't leave some fellow Mathies to a fate worse than death (*Residence!*) Phone: John Boydell at 886-2465, or Roger Hill at 742-7543.

For Sale: Cassette deck; TEAC 360 S; cost new \$500, selling for \$300; only eight months old, good condition, good buy. Call 884-9463.

To Sublet: Partially-furnished two-bedroom apartment for Spring term; includes underground garage, laundry room, large balcony; across from plaza, five-minute walk to campus. Call 886-0872.

To Sublet: One-bedroom apartment in Waterloo Towers for Spring term; \$190/month. Call 884-3545, ask for Joan.

To Share: One girl wanted to share two-bedroom semi-furnished apartment: Apartment #3, 317 Erb St. W. Call 485-8573, ask for Marilyn.

To Sublet: One-bedroom apartment for Spring term; five-minute walk to either University; \$155/month includes utilities. Call 884-1377

To Share: One person needed to share three-bedroom apartment in Toronto; own room, furniture available; parking available, five minutes to subway. Call 885-0969, ask for Ralph.

REd TvkEy To yELLoW \$ROg: The tRANS-ARNAD flyWAY PA\$\$\$ THROUGH thE R\$alM oF the SWaMP LORD! &ND 2 {TWO} B0x T0PS.

Lockers

Those who were able to obtain a locker this term are reminded that they will have to clear out their property by the end of the term. The exact date will be posted around the lockers.

To the rest of you: *cheer up!* If the 100 lockers that were supposed to arrive this term do arrive next term, then they will have been installed by the time you're back on campus in September!

Mathies Arise!

Announcing the founding of the Phillip Ludwig von Seidel Association. For too long now, this great astronomer and mathematician has been all but ignored, a victim of the Big Blue public relations machine of his major rival, who shall remain nameless. It is not enough that this rival gets his name mentioned first every time Seidel's most useful contribution (an iterative method for row-reducing matrices) is discussed, but that Pretender to the position of Prince in the mathematical world even has a society at Waterloo in his honor.

The time has come to redress this wrongdoing. It is now obvious that gaussian elimination (for those of you who have not yet realized who Seidel's "rival" is, that is a big clue) is nothing more than a diabolical scheme to eliminate the names of Seidel, Jordan, and many other mathematicians from consideration as great scientists.

The time to act is now! Denounce publicly any members of the *other* society when you see them. Try to find some information about Seidel (This is an extremely difficult task). Remember, if you do not seize the opportunity now, a great mathematician will be condemned to obscurity forever.

Friends of
Phillip L. van Seidel

People Wanted: Working in Ottawa this summer? I am looking for some people who would like to share accommodations. If interested send mail to alrichman or call Al at 884-7435.

To Sublet: One-bedroom apartment for Spring term (May-August) 1976. 15-minute walk from University; rent negotiable. Call Clare, 744-6997.

To Share: "Quiet" female student (co-op or graduate) wanted to share one-bedroom apartment in Toronto. Fully furnished, fully carpeted; \$112.50/month each, utilities included; Three-minute walk to Keele Subway, twenty minutes to downtown. Available from May 1. Please write: Bernice Lam, c/o Linda Wang, 497 Parkside Dr., Apt. 2, Toronto. Or call 361-3922 (in Toronto).

To Sublet: Two-bedroom apartment for Spring term; five minutes' walk to campus; includes appliances, underground parking, and more; \$235/month (negotiable). Call 885-2522 for details.

IMPORTANT NOTICE

Sources high up in the Mathematics Faculty hierarchy have indicated that by the time you read this, the word may be official: The Faculty of Mathematics has decided to re-number its courses. The new method will be by term; i.e. math 132a/b becomes math 132 and 232, 240b becomes 440, 340a/b becomes 540 and 640, etc.

One professor said, "Personally, I would prefer a count-down numbering, where first-year courses would start with 4 and fourth-year courses would start with 1." Apparently this plan was considered, but was rejected as a regressive measure.

To bring all students into line with this reorganization, all students who have not taken math 127a are required to take it either next term or in the fall. A secretary confided that the administrative staff are already preparing for the large number of preregistration changes expected to be necessary.

CONDEMNATION!

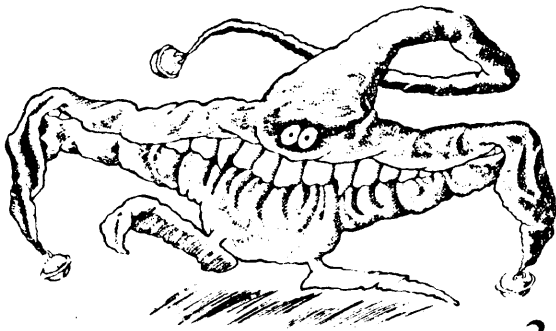
Waterloo Regional Building Inspector H. D. Jarry has condemned the Engineering Lecture Hall as unsafe for human habitation and a public menace. He has given the University thirty days in which to demolish the structure, which he ordered closed immediately.

Dr. Burt Matthews, the University President, was quoted as saying, "Nonsense! It's safe enough that I've been there myself. The view from the tenth floor, once you get past the books, is fantastic!"

Another April Fool...

Ontario Premier William Davis paid a surprise visit to the campus Sunday morning. A Waterloo alumnus, Premier Davis said before leaving that his government would give the University the money it had earmarked for Health Minister Frank Miller's salary. "There is", said the Premier, "no point in throwing money down the drain."

The Premier praised Waterloo for what he called, "sustained academic achievement, especially in computer science. Waterloo is one of the few really great universities in Canada."



3

FED REPORT

Lately, the Federation Council has been very active. After two long Sunday night meetings (five and four hours), we have managed to get a lot done. This is quite a change from last year.

The budget presented by Treasurer Manny Brykman was finally passed Sunday night. There was a total allocation of \$267,000 out of an expected student fee revenue of \$282,000. Copies of the budget will be available in the Fed office soon.

There has been a move away from full-time to half-time positions in the Federation this year. In fact, only 2 out of the 6 positions are now full-time, as opposed to last year, though with the same full-time equivalent.

Council has also started action regarding a new policy for proxies and salary review. Also, a motion was approved that keeps Federation privilege cards, but restricts the number of times they can be used. Also, Council was informed during budget time that Radio Waterloo was granted a reprieve by the CRTC and will be back broadcasting April 19.

I would like to apologize for a slight error in wording regarding the rejection of Andrew Siebel for the Board of Entertainment Chairperson. Actually, I should have said that it was only in my opinion, as I have no way to prove conclusively that some members of council voted against Siebel due to not liking his personality, or the fact that his wife was president of Artsoc. Subsequently, a new Chairperson, Doug Antoine, was appointed with little opposition. He seems to be performing well.

Council as a whole has been performing well. Much business is being considered, and *quorums are being met*. Though I disagree with President Shane Roberts on some issues, I find him very willing to discuss things. In my opinion, Shane takes a more compromising and understanding position in regards to council that Shortall did. I hope he will work out better.

As this is the last issue of *mathNEWS* this term, I want to thank you for your past readership and support. I hope those leaving us don't miss me too much. I hope you all have a good summer and obtain that difficult-to-get job you want. I hope more people will get involved in the Society and the Federation in the future. If you play cards, take some time out of your game to help with the Antical survey. Attend social functions like the Mathsoc buffet pub today. Remember, we can't do it alone—we need your help.

JJ Long

A Message from the President

I would like to start off by thanking the editors of *mathNEWS* for giving me this space.

I would like to remind math students of several things, and ask a couple of favors of you.

We need to have as many responses as possible to our off-campus housing survey. So, please encourage everyone you know to fill out and return a questionnaire. Mathsoc has copies in its office.

Hopefully, word is also getting around about the rally and march in Toronto this Saturday, April 3. People will be going to Queen's Park after gathering at Nathan Phillips Square to show their opposition to cutbacks in social services as exemplified by the on-going hospital closures. We are afraid universities are next on the government's chop-chop list.

Five buses will be leaving from the Campus Centre for those who want to go to the rally. The buses will leave at 9:30 a.m.

The favors I would like to ask of you involve your ideas. This summer, we want as many students as possible to send us ideas on:

1. what you think should go into the campus handbook;
2. what you would like to see in September's orientation;
3. academic complaints or suggested improvements in the teaching/learning condition.

Please address your replies to:

S. Roberts,
Federation,
Campus Centre,
University of Waterloo,
Waterloo, Ontario
N2L 3G1

During the summer, we will have students working full-time and part-time on these matters in co-operation with Mathsoc. Former Mathsoc president Gary Dryden will be in a position to help us a lot. Summer work will be important to preparing for the big year ahead.

Another thing you can do is to write in comments about the Chevron. We are going to make suggestions to the new editor, and are looking for your input.

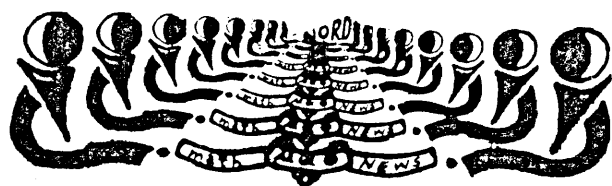
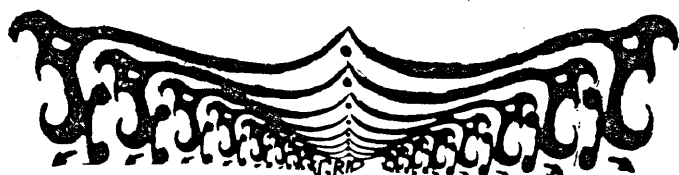
Did you hear the rumor that the AIA claims to know the exact value of π ?

I would like to wish you all a long and good summer.

Shane Roberts
Federation President

Housing Survey

If you live off-campus and have not already filled out a housing survey, come to MC 3038 and get one.



a whole bunch of arrows pointing right

- A 4 metric engine size
- A 7 "deaf"
- B 1 spring load
- B 9 nanny ____
- C 1 say
- C 9 removes the paper
- D 1 this and ____
- D 9 big deal!
- D12 noise?
- E 6 ____ and Other Strangers
- E13 cheer!
- F 2 UW-developed variant of B
- F 5 silent show
- F10 mountain in Switzerland
- F14 ____ own
- G 1 used to sell products
- G 4 has value
- G 9 what you hammer in
- H 1 passing through
- H 6 not moving
- H13 help!
- I 1 towards stern
- I 5 not off
- I 8 Registered Imbecile
- J 1 Long Island
- J 4 doesn't care that you gave up your spare time to help
- K 1 less than 90°
- K 7 the nice things in life (M↔N)
- L 1 type of Chinese soup
- L10 disallow
- M 6 applaud
- M11 magnifier
- N 1 evidence not allowed
- N11 not looking forward to
- O 5 present of was
- O 8 charged particle
- O13 sneaky
- P 2 recognize
- P11 child's glue

another bunch of arrows pointing down

- 1B large town
- 1G mountain hazard
- 2A wash
- 2F structure
- 3B show
- 3H where it's ____
- 3K not them
- 3N help
- 4A wagon
- 4J speak
- 5A American equivalent of C.A.
- 5F doesn't denote marital status
- 5I before 2's
- 5N breaking the 10 commandments
- 6B using
- 6M players
- 7A beer
- 7E a good ____
- 7J the n-jineers are having one
- 8A University of Toronto
- 8E was a soldier
- 8O possible?
- 9C employ
- 9H ancient religious ____
- 9M clever ____
- 10A not knowing
- 10J Engineers' Main Vocation
- 11A plant
- 11E Patty Hearst group
- 11J electrical ____
- 12A cover
- 12F 3.14159265...
- 12I golf club
- 13A largest consumer(/person) of wine
- 13G sixth note of scale
- 13J queen of beasts
- 14C rhyme and rhythm
- 14H see 8O
- 14M used on roads
- 15C neutered (female dog)
- 15J question coloring

GRID COMMENT



This time, there were as many as 9 solutions submitted for the *gridword* in A.9. But only three people knew the correct answer to 15C, which was *DayOfTheFight*, not *DayOfTheNight*. (To those who didn't submit because they didn't know what "nadsat" meant: read *A Clockwork Orange*.) Of the three correct, the winner was a very persistent

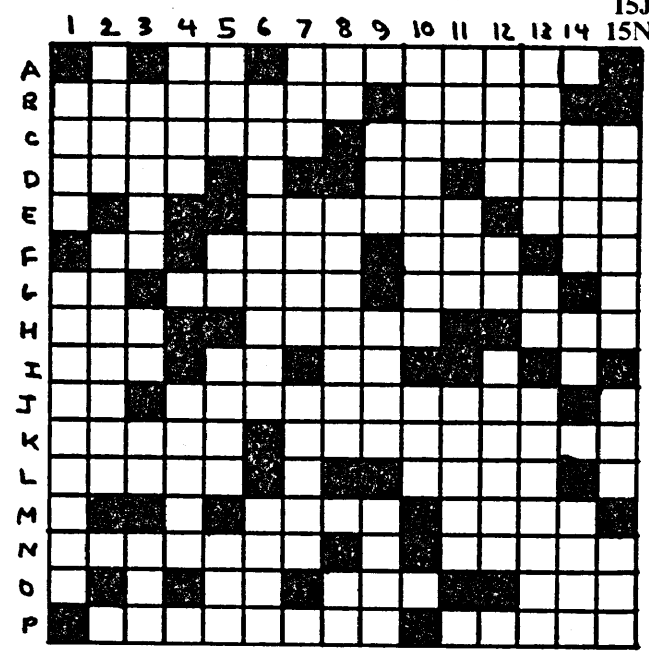
Dave Newell

who knows he's fishy and thinks he's cute... (who says we don't like Bunnies around here?)

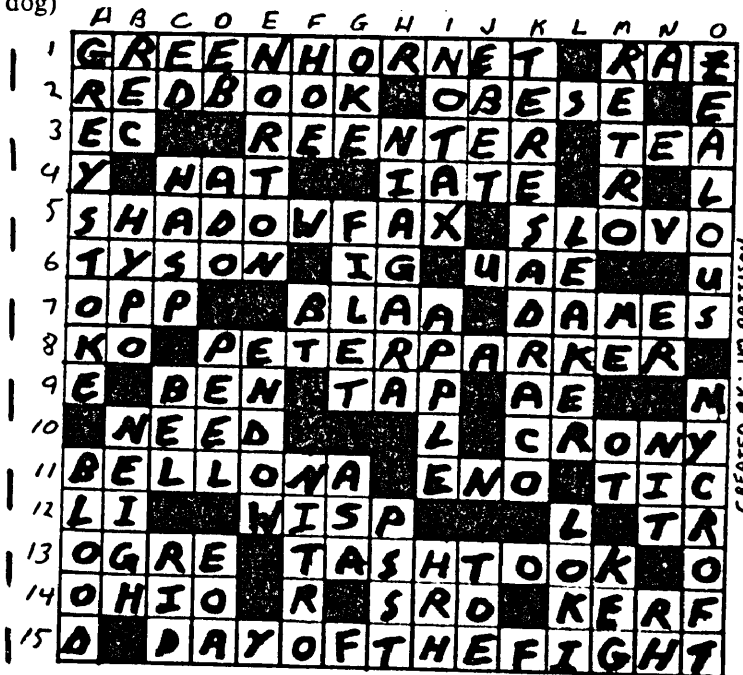
This week's grid was ironed together by Roxanne Jones (at the pub... so be prepared). So either or both of you can show up around Mathsoc and give a poor T-shirt a home.

The solution to this issue's grid will be printed in the first issue this summer (B.O or 11.1 or something like that...) so if you want it you'd better subscribe (unless you did this term in which case you'll probably be here). Meanwhile, we'll post the winner's name on the bulletin board outside Mathsoc (MC 3038), shortly after the deadline for submissions, which is 1:00 p.m. on Wednesday, April 7 (one week from today, if this issue comes out on time).

Have a good summer, and may your Rabbit Ears never wilt.



USER ID ---
 PASSWORD ---
 SYSTEM? ---
 4



CREATED BY: JM PATTISON

Dear mathNEWS.

I would like to suggest to Mathsoc that they see if money can be allocated for some levellers for the tables in the third-floor lounge. If they can't get the bucks for it, could they put some pressure on whoever is responsible for maintaining the tables to fix them? I sure am getting tired of squeezing my coffee out of my jeans.

Sincerely,
J. R. Miller

This Week's Torus

Dear mathNEWS,

When you reprinted the article in the Gazette about the fifth-floor painting, you at least should have corrected their mathematics.

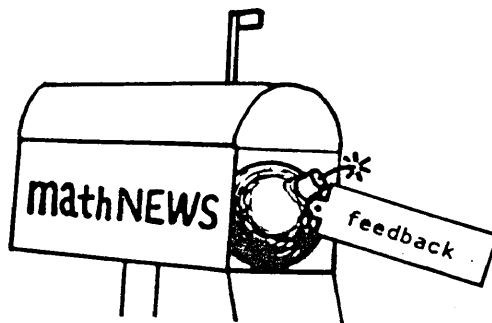
Of course you can't 4-color the fifth floor! The 4-color conjecture applies to planar or spherical surfaces, while the fifth floor is a donut with eight holes. (Imagine filling all the corridors with dough.) It could require 13 colors to color it (13 being the integral part of $[7 + \sqrt{385}]/2$).

W. Gilbert,
Resident Topologist

Contrariwise!

Since each corridor is to be painted with one color throughout, and adjacent corridors must have different colors (but what about MC 5227, 5229, 5230, and 5231?), the fifth floor is a planar surface with one hole in it: the regions each consist of a corridor and an adjoining chunk of rooms.

Exercise: How many colors could be needed under this interpretation?



How do they find
room for the hole?

OR

Last Week's Torus

[This letter was intended for the previous issue, but accidentally delayed.]

Dear mathNEWS,

I just found the following on a donut package I bought from the machines in the math lounge:

Ingredients: enriched flour, sugar, shortening (contains lard and/or vegetable oil and/or beef tallow and/or coconut oil and/or palm oil), dextrose, yeast, salt, starch, milk solids and/or whey powder, soya flour, hydrogenated vegetable oil, sodium caseinate, calcium sulphate, ammonium chloride, potassium bromate, protease, sodium benzoate, malt syrup, natural and artificial flavours, colour. In addition, if apple spice, contains glucose, apple pulp, apple juice concentrate, malic acid, spices, potassium sorbate, sodium citrate; if blueberry, contains corn syrup, blueberries, sodium alginate, pectin, citric acid, adipic acid, fumaric acid, monosodium phosphate, calcium citrate; if lemon, contains glucose, carboxymethyl cellulose; if raspberry, contains corn syrup, raspberries, sodium alginate, pectin, citric acid, adipic acid, fumaric acid, monosodium phosphate, calcium citrate.

Can you believe those and/or's? One supposes that what goes into any given donut is up to the will of some \$145-a-week baker. ("What will we kill them with today, Charlie?")

One hopes that the C&D donuts that are consumed by the millions have somewhat less toxic ingredients than these.

Yours sincerely
Keith Pybus
3A math

mathNEWS welcomes your criticisms, comments, suggestions, etc. All letters should be signed, but if requested, a pen name will be used. Put your Feedback articles in our mailbox on the third floor outside the lounge, or mail it to us on TSS to userid mathNEWS, or take it to MC 3038 and have it put in our mail slot, or put it in the mail addressed to mathNEWS, MC 3038.

More Snake

Dear mathNEWS,

I am pleased to find that others share some of my tastes for fine literature (as indicated in your last mathNEWS). What follows is yet another bit of Monty Python, excerpted from their Big Red Book.

anonymoose

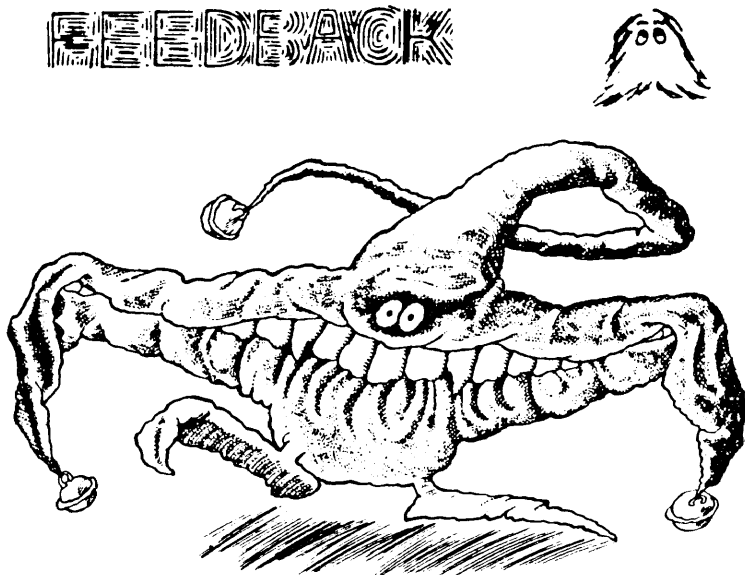
Neville Shunt's latest West End Success

It All Happened on the 11:20 from Hainault to Redhill via Horsham and Reigate, Calling at Carshalton Beeches, Malmesbury, Tooting Bec and Croydon West is currently appearing at the Limp Theatre, Piccadilly. What Shunt is doing in this, as in his earlier nine plays, is to express the human condition in terms of the British Rail.

Some people have made the mistake of seeing Shunt's work as a load of rubbish about railway timetables, but clever people like me who talk loudly in restaurants see this as a deliberate ambiguity, a plea for understanding in a mechanised mansion. The points are frozen, the beast is dead. What is the difference? What indeed is the point? The point is frozen, the beast is late out of Paddington. The point is taken. If La Fontaine's elk would spurn Tom Jones the engine must be our head, the dining car our oesophagus, the guards' van our left lung, the cattle truck our shins, the first class compartment the piece of skin at the nape of the neck, and the level crossing an electric elk called Simon. The clarity is devastating. But where is the ambiguity? Over there in a box. Shunt is saying the 8:15 from Gillingham when in reality he means the 8:13 from Gillingham. The train is the same, only the time is altered. Ecce homo, ergo elk. La Fontaine knew its sister and knew her bloody well. The point is taken, the beast is moulting, the fluff gets up your nose. The illusion is complete; it is reality, the reality is illusion and the ambiguity is the only truth. But is the truth, as Hitchcock observes, in the box? No, there isn't room, the ambiguity has put on weight. The point is taken, the elk is dead, the beast stops at Swindon, Chabrol stops at nothing, I'm having treatment and La Fontaine can get knotted.

M. Python

FEEDBACK



WHO? Ray Butterworth	U
WHAT? 71212246	N
WHEN? Now.	D
WHERE? Here.	E
WHY? Because.	R
	P
	R
	I
	V
	I
	L
	E
	G
	E
	D

myth LETICS

Mathsoc Athletic Awards

Yes indeed, boys, girls, and others, it's time once again for more thrills and excitement from the third semi-annual Mathsoc Athletic Awards, in which are recognized the outstanding abilities and disabilities of our constituent members.

Once again this year, the Awards Presentation will take place in the fabulous Upstairs Room of Waterloo's luxurious Kent Hotel. Assisting in tonight's presentations, we have several distinguished members of the community.

They are, in alphabetical order:

- (1) **Dryden** (because he said that if he couldn't be a judge he would take his awards and go home).
- (2) **Bert Mathnews**—a highly regarded organizer in this town.
- (3) **Raymond the Rubby**—because of his sterling performance during the last Awards dinner (and because we are currently occupying his table!).
- (4) **Scrooge**—mostly because he actually writes the majority of this crap and without him we would have to rely on **Dryden**—perish the thought.

-- Ah—Excuse me, ladies and gentlemen—there will be a slight change in this evening's program. It would appear that two of our distinguished judges,

namely (2) and (3), have not appeared on the podium—and right now I would like to dispell the rumor that they are downstairs under a table—that's just not true.

And now the nominee for the *Oh Christ, how could he possibly have missed that one is*—goalie **Joe "the drunk"**.

The *Reformation of Our Holy Name of Mary* award goes to **Kathy-X** for the noticeable lack of chain-saw murders in the K-W region, this year.

The nominees for the *Rookie of the Year* award are:

- (1) **Prudence**
- (2) **Keith**.

And the winner is not Prudence (it could be because he's not a rookie but probably not), but Keith because he actually was good.

The *Brillo Pad of the Year* Award goes to **John Ellis's** hair. (Note—this should be self-explanatory).

The *Teflon Award* was uncontested this year and has been won by Prudence's shoes, which were determined to have the lowest co-efficient of friction in the league.

The *Howie Meeker* award for screwed-up coaching has been posthumously awarded to **G. Dryden** who was unfortunately murdered by the **Math Hacks** team when they were defeated by Science in the play-offs.

An honorable mention by the judges has been given to **Kamikaze Liz**, the only girl known to dive-bomb head first into enemy brooms.

The *Most Valuable Player* and the *Most Improved Player* awards have been won by the same individual again this term—nobody!

The *Ringer of the Year* was **Brenda (Bean) Finlayson** (who has recently been signed to an exclusive 50-year, no-cut contract by the **HotDogs**).

The *Hippie, Weirdo, Freak* award goes to **Bob Cameron**, who wins a free hair-cut and shave at **Joe Razor-cut's** Barber Emporium in the Campus Centre.

The *Finlay* award is given annually to the horse doctor of the year who because of her stupidity plays for the **Whizz Kids** instead of the **HotDogs** and is this year given to **Electric Hair Barb** (ptui!!).

And finally, the *I f—ing hate to lose* award to **Dave Holland** (first runner-up was **Dryden**, but you have to have red hair to win).

JJBT Road Trip

Alas! Alas! Once more the term ends bringing about the end of the season for the much-maligned but undaunted **JJBT**. However, not to be outdone by last term's season-ending performance, **JJBT** propelled itself, in an almost kamikaze effort, to the intercollegiate sports scene.

Yes, dear **JJBT** followers (another way of stating staff, faculty, and students of **UW**), **JJBT** did enter and participate in the first annual *Ontario University Frisbee Championships*. This athletic endeavor, unparalleled by anything in the Guinness Book of World Records or Book of Olympic Records, began with the buzz and tinkle of alarm clocks early Saturday morning. Those very same buzzes and tinkles were to signal the beginning of a weekend which will stand forever as one of the outstanding historic events of all time.

The 8 **JJBT(?)** Frisbee participants arrived in St. Catharines at approximately 10:15 a.m. on Saturday and took the Brock campus by storm. After scaring the opposition (which consisted of teams from McMaster, Brock, and Guelph), with our abilities, we proceeded to win the rules meeting by a very wide margin. However, realizing that we could win the overall championship before the first day was over, the Brock team came up with a

superhuman effort to come from behind to defeat us in our first ultimate match. However, despite the Brock win, a new all-time **JJBT** ultimate frisbee scoring record was set in this wide-open exciting match. This stunning loss dropped **JJBT** into the consolation round. This proved to be our undoing as we had not realized that Guelph had such an excellent scouting method. The Guelph team wheeled and dealed us into allowing the game to be shortened by 10 minutes, so that, by eliminating the most effective part of our game, they were able to squeak by us into third place. Despite the shortened time, the spark of a comeback was definitely there, as **JJBT** scored the last point of the game. All in all, it was a very inspiring day of Ultimate Frisbee. Credit must be given to our stalwart defense of **Bobby Johnson**, **Shoes White**, **Brian Pelly**, **Dave Henry**, and **GOO**. Scoring finesse was due to **Captain Catfish** and **UFO Petec**, while **Dave Gillett** led the team in setting precedents for the incorporation of new rules. Extra special mention must go to **Joan Ross**, whose presence and participation allowed the public address announcer to announce **JJBT** goal scorers (Yes, there were some) and most of all enabled **JJBT** to capture the *Co-Ed Ultimate Frisbee Championship*.

As stated before, this was almost a kamikaze effort, as only two members of **JJBT** Frisbee survived the night to return to the heat of action. After having attended the Saturday night workshop, **Dave Gillett** and the **UFO** came prepared to dazzle the crowd with the freestyle techniques they had picked up from the **Molson's Frisbee Team**. However, what they did not realize was that the other teams had picked up pointers too. As a result, **JJBT** did not win the freestyle competition, but finished a strong fourth, despite being the only team to use *two* frisbees in their display. Many of the spectators were later heard grumbling that Waterloo had been given the shaft by the judges, but we accepted the judges' decision as being final (and correct). After the competition, however, several judges informed the Freestyle team that they had some very innovative catches, and also showed a great deal of interest in the **JJBT** special trick Frisbee (which was modelled after the grid donuts which occurred in several issues of *mathNEWS* this term).

Due to a lack of players, **JJBT** was forced to drop out of the Guts competition, but, to prove that they held no grudges against

...continued on page 8

The Ontario Intercollegiate Frisbee Trob

Frisbees, those plastic circles that get tossed around the beaches and parks all summer, have made many important, even *vital* contributions to the history of Mankind.

Cave paintings indicate that roughly 100,000 years ago, Neanderthal man baked frisbees of clay. Seeing one roll along the ground on edge, he thought, "Now, if I put a stick between two of these..."

Some time later, the Greeks made the throwing of stone frisbees part of the Olympic games. This was the origin of "Guts" frisbee; legend records that a prominent spectator was killed by one of these disks. Also about this time, small metal frisbees became highly-valued as good-luck charms and tokens of exchange.

Meanwhile, with stone too dangerous, and the rising cost of clay and metal, people had turned to bread or cake dough as a material. The *pancake* was born! This led an unidentified Roman matron to be the first mother ever to tell her children, "Cessum jute cum edum!": Stop playing with your food!

Newly-rediscovered records indicate that it was Julius Caesar himself who first conceived of the idea of garnishing the previously barren frisbee with an assortment of other edibles. It is just possible that he was really killed because he wanted to call it "Chef's Surprize", but the Senate wanted to call it "Pizza"!!

Shortly thereafter, somebody named Nero opened the first pizza parlor. Unfortunately, safety regulations then were not what they are now, and the place burned to the ground shortly after it opened, taking the whole city with it. The incident, however, marked a great stride forward. Some of Nero's patrons had complained about the way his pizzas stuck to the box in the center, but since Mama's wasn't open Sunday's and Nero delivered, he still made a profit. Some of his customers discovered that if you grabbed the pizza by the edges and lifted it quickly, it left the center in the box and you held a ring.

A passer-by at the moment, Timonius Hortonius, noticed that the rings made possible some throws and catches never seen before. Within the week, he was selling 57 flavors of frisbees with holes, which he called "donuts". Unfortunately, his shop was destroyed when Nero's went up in smoke.

The hole, however, was the key. Messages could be stuffed in the hole and thrown over great distances. The hole also changed the topological order of the frisbee. From there it was only a few easy steps to the development of the hula-hoop and the magnetic core, the rubber tire and the life saver.

Development of holeless frisbees was still underway, however. Convinced that the fantastic energy of the frisbee could be

harnessed somehow, Michael Faraday mounted a metal one on a crank with wires to the center and edge and rotated it between the poles of a magnet, producing the dynamo. Investigating the frisbee's extraordinary stability, Sir Isaac Newton invented the gyrocompass.

New experiments with dough frisbees were also conducted. Martha Washington placed another one on top of her favourite pizza before baking and invented apple pie. A certain Mr. Pringle, trying to set a record for the smallest and lightest non-hole frisbee, invented the potato chip. And by adding the garnishes and an additional frisbee *after* baking, Ronald MacDonald invented the hamburger.

During the 1920's, a new American sport was formed, which remains popular even today. It involves the throwing of frisbees full of whipped cream, and while nobody seems to know the rules, a reputable source has told me, "All you have to do is aim for the face..."

This past weekend, yet another advance was made, as JJBT (myself included) took an honorable fourth place in the first annual Ontario Inter-Collegiate Frisbee championship at Brock University. See the JJBT column for more details.

Walking home one day last week, I happened to glance at a University wastebasket and noticed that my name was on a piece of paper in it. Bending closer, I realised that it was a letter to me with an answer attached. The letter asked for an explanation of a joke I have not heard these many years, and I did not recognize the answer as my own. Then I suddenly remembered! Quickly checking the rest of the paper, I verified that it was indeed a recent copy of (one-over-n)-jin-ooze, and that the answer was in fact the work of my jineer branch office. (Branch offices in the Gazette, Chevron, Artsnooze, etc. are expected to be established in the near future.) While I must support some of statements involved; for instance, 2a chemjineers *are* nuts, and *do* like to live in holes, I feel I have a duty to warn the public. While my branch offices offer a certain convenience, only by send your letters to the "Head Office", c/o mathNEWS, can you be sure that your letters will receive the quality attention they deserve.

Speaking of which, there was no mail this week...

About seven or eight years ago, the U. S. Army conducted serious research into possible warlike uses for frisbees. After spending x-million dollars on research, they concluded that the load-carrying capacity of the frisbee was too small to be worthwhile.

Seems to me that if you *made* it out of

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plastique...

Glancing through that same copy of (multiplicative-inverse-of-n)-jinooze, I noticed certain inaccuracies, which I intend to rectify here and now. For instance, a number of articles referred to an N-gineering Weak. As everybody but (n-3)-jineers know, this week was cancelled. How then, you might ask, did the staff manage to fill most of an issue with articles about a week that never happened? Simple, really. Painfully aware of the average jineer's lack of any IQ whatsoever, they simply dug out last year's articles. What they forgot was that last year's week was cancelled and the previous year's stories used. Trouble was, the week was cancelled that year too...

Best indications are that most of these articles were actually written ten or more years ago in Ancient Torontonion, and have since been translated to the pidgin Neanderthal mumbled around Waterloo and passed on from year to year.

Under the concentrated cross-fire of vague references to account deletion, the *COMPUTER_OF_THE_WEEK* is the UNIX PDP-11. UNIX is a time-sharing operating system, operating at Waterloo on a PDP-11/45 on the sixth floor. Like the Honeywell, it has attracted a close-knit group of users who have figured out how to do anything to the system and are up until all hours doing it. This group displayed great jubilation last week as they installed (more or less) a tape drive for the system.

Perhaps the main attraction UNIX has for Honeywell users is speed. Because there are only a small number of terminals, huge numbers of users cannot clog the system. The terminals run in the vicinity of 2400 baud, so users can see for themselves that those numbers on the back of any VC are not just for show; they really *can* go that fast. And because the system is full-duplex with full look-ahead, you don't even have to wait for it to finish one command before typing another.

UNIX supports Fortran, Basic, and an assembler; but the pride of the system is C, a language very similar to the Honeywell's B. The intersection of the two is large, but neither is a subset of the other.

UNIX will be very attractive to those whose accounts on other systems have dried up and/or disappeared. As yet it has not proved necessary to implement specific file-space allocation, while the on-line accounting system is used mostly to determine whether accounts are being used or not. For anyone who wants to try out this system, there is a general userid, jppublic, which you may use.

This is, of course the last issue of this term. However, mathNEWS will bring you the Trob again next term—*unless we receive \$500,000 in small bills by April 20.*

continued from page 6... the Guelph team, they lent their UFO to Guelph. He subsequently inspired the Guelph team to take the Guts Championship, despite a strong showing by York University, who had only come for this event.

As might be expected, JJBT, in the traditional method, placed ahead of Trent, Queen's and Wilfrid Laurier Universities, who had decided not to come as soon as they found out that JJBT was competing, and also ahead of York University, whose team came but made absolutely sure that they did not enter events where they would have to face the awesome power of JJBT.

Some final comments on the Winter 1976 JJBT team. The Lung Trophy, given annually to our most valuable road hockey player has gone this year to:

Robert (Merlin) Biddle

for his efforts in scoring the first JJBT goal in each of our games.

JJBT made an absolute shambles of the 3B Mathematics squash ladder, by taking four out of the top five positions. They were led by Owen Leibman, in the number one spot, followed by Paul Simpson (#2), Ron Steiner (#4), and Brad St. Pierre (#5). Only Rick Mason, in number three spot, prevented a clean JJBT sweep.

All in all, Winter '76 was one of our most successful seasons ever. We are all looking forward to the Fall, when we can again bring to the University of Waterloo the spirit of our motto:

Concordia cum Perdiendo

Welcome to issue A point A,
our Not Quite April Fools' Day Issue

for 1976. This is the last class

day of the term and the last issue of the term too. It was assembled at a production meeting that began Sunday evening and is now finishing up as noon approaches on Monday, by the following dedicated and multiprogrammable people: J J LONG and JOE LIFSHITZ, EXIL Q TROB who did disgraceful things but produced much output as well, co-editor RANDALL it'S your decision McDOUGALL, late but functional arrival RAY BUTTERWORTH, RANDY MORRISON on his first all-night session of the term, PETER C CHYNOWETH and even longer associate OWEN CLEIBMAN, and finishing up my first term as the only male editorial staff member (of 6) who was not at the original organizational meeting (of 8), MARK you're right Owen I shouldn't pause so long here because somebody might come up and fill in the initial for themselves BRADER.

mathNEWS is spelled mathNEWS not Mathnews, MathNEWS, mathNews, mathnews, MATHNEWS (although that's how it was in our first masthead), nor especially Matthews (confuses the mail), and is financed by but independent of Mathsoc. The masters are prepared on TSS and typewet, er, typeset, on the Photon Econosetter, taped into place, and sent to Graphic Services (circulation this issue, 1200) for multiplication (yeah). This issue was translated to Photon codes between 6:18:19.824 and 6:22:25.239 this morning using 42.652 s of TSS processor time, and typeset between 6:22:31.045 and 7:28:57.356 using 7.417 s of processor time and about 10 feet of 8-inch-wide film (about 3 m of 20-cm-wide...) If the columns seem straighter these last 2 issues it's because we're taping the articles into place on graph paper... The JJBT is considering deposing me in a coup d'etat... This page is about full (full)... hope your class got antical-surveyed... and what more appropriate character for end of term than

mathNEWS welcomes your criticisms, comments, suggestions, etc. All letters should be signed, but if requested, a pen name will be used. Put your Feedback articles in our mailbox on the third floor outside the lounge, or mail it to us on TSS to userid mathNEWS, or take it to MC 3038 and have it put in our mail slot, or put it in the mail addressed to mathNEWS, MC 3038.

Another Federation?

Dear mathNEWS,

The Vaselino Federation, a North American Corporate Computer Linkage group (similar in format to the Computer Communications Network, but wealthier) has decided to hold its bi-annual Western Hemisphere convention in the University of Waterloo. The event will be held at the peak of the American bi-centennial to avoid excessive publicity. The Federation, begun in 1962 by Antonio H. E. Vaselino, has financed the Provincial Budget for Universities by subsidizing the transport of computer equipment to Canadian interests, largely in secret (or in private as the Foundation prefers to report). Technologically, the Foundation has undertaken much private research in modelling human memory processes, and pattern recognition schemata, while keeping this information largely within the Federation. Many sources believe the Federation to be working on massive computer networks designed to offset those created by the world powers. Antonio Vaselino was once [1974, UPI] quoted: "As powerful as nuclear technology may be, it is dependent upon computers for its existence and usefulness. Just as the Pentagon may destroy us, a network of communication can protect us, and foil their madness like a contraceptive device!". More details will be announced.

MacLean Dufresne

Keep Comments in Anticalendar

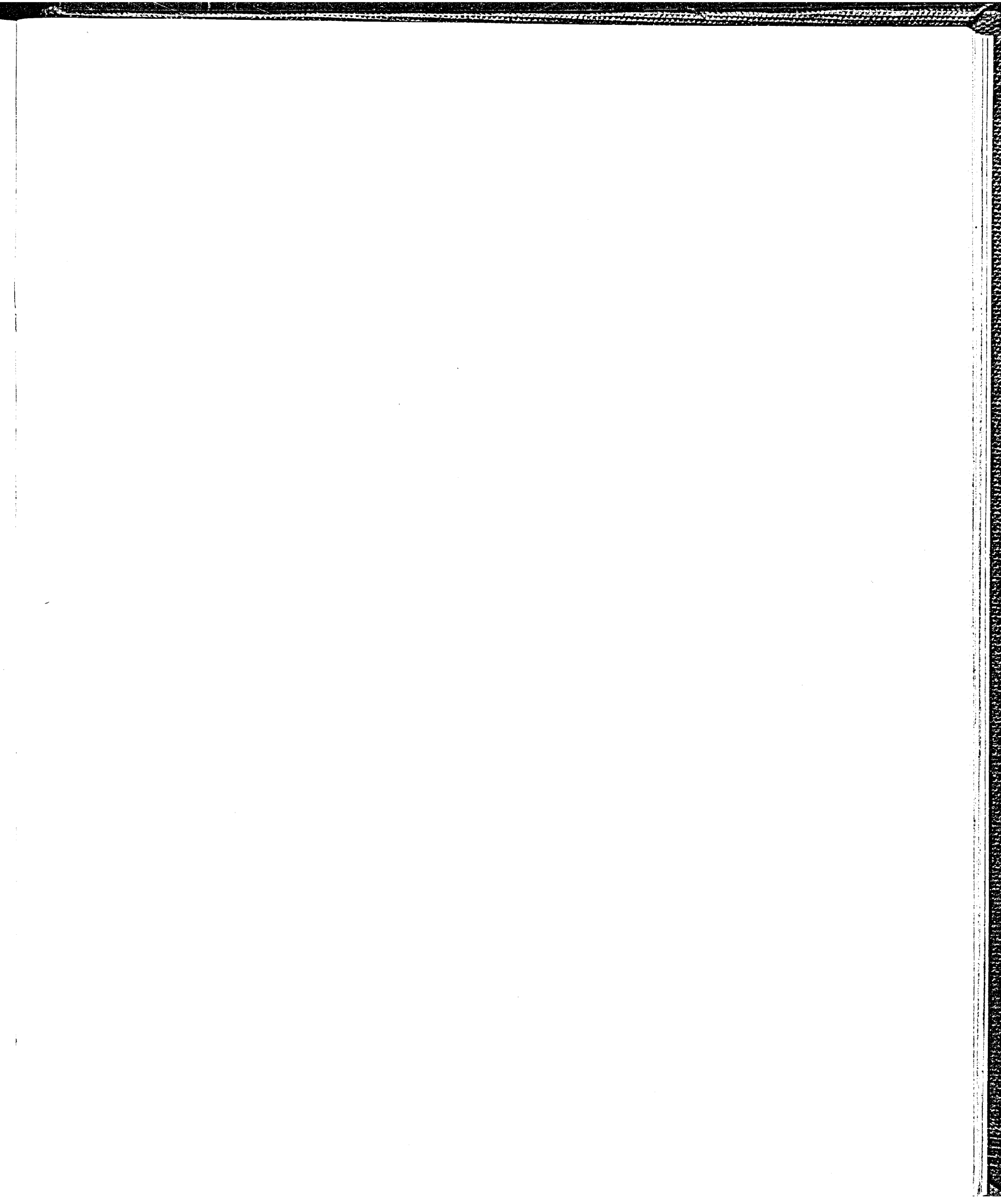
Dear mathNEWS,

After reading the article about the Math Faculty Council (March 19 issue), I thought that I should write. Since the beginning of September, I have read various articles written about student comments in Antical. A few professors are upset because it would seem that students have been malicious in their comments. While I am sure that there are students who use the Anticalendar to take pot-shots at professors, it is my experience that most of the comments are constructive. I have found old Anticalendars particularly helpful in picking profs, or finding out what my profs will be like. I usually agree with the students' comments.

If only favorable comments are allowed, the purpose of Antical will be defeated. If the comments are eliminated completely, most students will have no outlet for their opinions (be they bad or good), save the usual dinner-time conversation. I do not condone unfair and unjust comments, made by either students or professors, but I think there is a lot to be said about the courses which no questionnaire could hope to cover, and that comments can only help to fill this gap.

Sincerely,

Rosanne Murray,
Second Year Honours Math.



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