

Donut Dunker Dips Digits Into Drawer...

THEFT BRINGS TOTAL TO \$600

During the early morning hours of Friday, March 9, approximately \$200.- of the coffee and donuts money was stolen. This money included worker's pay for the week and the normal float for the next morning. This is the second time this has happened, the last time it was \$400.- Coffee and donuts is a break-even operation, and in the past it has been running on a slight profit. This profit could have been returned to the students in terms of supplying free coffee and donuts to Computer Science Club meetings, free coffee during exam periods etc.

Because of these two thefts, the coffee and donut operation now has a deficit of about \$500.-. This is the student's money, and if similar things continue to happen, MathSoc or any other student service organization will not be able to provide any service involving cashflow, for example, T-shirts, advance tickets etc.

In the future, students should be more alert to strangers entering, say, the MathSoc office, people snooping around etc., and if you notice something suspicious going on then pick up a campus phone and contact Security(ext 3211).

SHAMROCKS & ELVES

A reminder that on March 17 (this Saturday) the Math Society will have a special St. Patrick's Day Pub. What's special about this pub is a real Irish pub band the Northwest Shovel Company from the Nags Head an Irish style pub in Toronto. Also featured is real green beer for all you off colour beer drinkers.
Food Services 8:30 PM- advanced tickets available for Mathies in MathSoc office.

math NEWS

a news weekly
published at the
university of waterloo
friday, march 16, 1973
number 8

RECORD TURNOUT!

At the "meet the Math-Fed reps" meeting last Tuesday the audience was out-numbered by the Math reps. One of the reasons for holding the meeting was to enable math students to learn a bit more about the Student Federation.

The Federation consists of 9 boards. Entertainment and Publications get 50% of the \$22.- fee which students fork over each year. The rest of the money is split between the other seven boards which are: Education, Co-op services, External Relations, Communications Creative arts, and Student Grievances. Student Grievances deals with such items as towing & parking problems, administration hassles, etc.

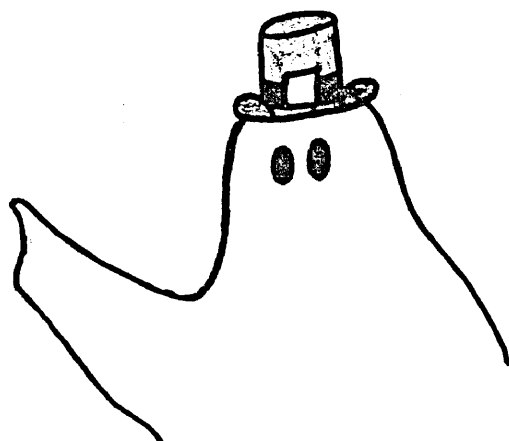
Any person wishing to help or needing help should contact either the Fed Reps or the Fed office in the Student Centre.

Another reason for the meeting was to find whether or not students supported the Federation policy of supporting OPRIG in its campaign to get an extra 'voluntary donation' added to students registration fees. For some odd reason a show of hands was not called for on this important issue.

...blood donor's clinic DRACULA WHERE ARE YOU?

On Tuesday, Wednesday and Thursday the Blood Donor Clinic returns to the Math Lounge to expunge some more fine young student blood. The clinic is jointly run by Circle K Club and the Waterloo Red Cross. Last time the clinic visited our fair campus the full quota of 1000 pints was collected. The organizers are looking forward to an equally fine response this time around.

The Blood Bowl, the traditional award presented by the Circle K Club, is once again on the line. The Math faculty has claimed this trophy 8 out of the last 12 times it has been offered for the highest percentage turnout in a faculty. So lets get out there and bleed our way to another win.



the phantom reports...

Not much has been happening this week, that is to say things are in just about as much of a mess this week as last. Though, of course, there would appear to be some m132 assignments due, if fact, there have been people stacked two deep waiting for terminals as if there were no such thing as (I know it's disgusting but) batch.

In APL the primitive formatting function made its odious presence known by reviving that old nemesis of people who don't like their workspaces unexpectedly cleared, the SYSTEM ERROR. It was also noted to do strange things to which lines output goes out when it is outputted.

Anybody out there strange enough to know anything about the game of LIFE will notice that there is a new version in library 12. This is due to the ceaseless, untireless effort of its author, one M.S.Brader, who is now spending a great deal of time, ceaselessly and tirelessly gloating over this accomplishment.

In the mean time, it should be noted that 555 MAIL's DIRECTORY now bears a striking resemblance to that of 11495 MAIL. Yes, it has been compressed somewhat; it seems that sometime TUESDAY afternoon, the MAILBOX updated its directory (right out of existence for a time). This will probably not worry people too much however; after all, not many have lost sleep over the fact that most of the passwords in the system are common knowledge.

And now as I finally prepare to leave (and there are people still waiting for Honeywell terminals at quarter to three in

the morning!), I see that my ghost writer intends to get even with some comments of his own, but first:

TO FRISBEE, LARRY, AL, BAY, AND JIM: IN ANSWER TO LAST FRIDAY'S QUESTION, I REFUSE TO ANSWER ON THE GROUND'S THAT IT MIGHT BE SELF-INCRIMINATING; ALSO IT WOULD BE CHEATING.

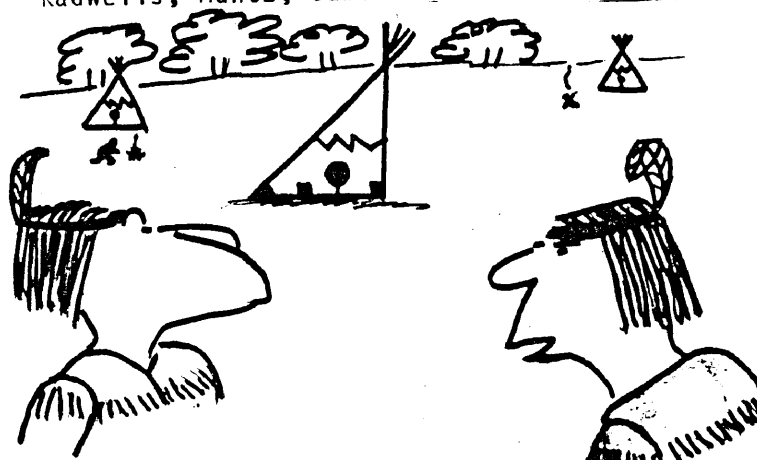
TO M.S.B.: MAY YOUR SYSTEM ERRORS ALWAYS COME JUST BEFORE YOU REMEMBER TO SAVE.

TO MY DIM-WITTED GHOST WRITER AND ALL HIS FISHY FRIENDS: GO TO IT, I'M LEAVING!

TO THE PHANTOM FROM HIS GHOST WRITER: E.C.T. YOURSELF (WITH A SPOON)!

CHEAPSKATE'S DREAM

Remember the good old days when a chocolate bar was 10¢, a bottle of pop was 12¢ and concerts were \$1.50. Well don't fret folks those days are coming back at least the concerts are. A combined effort on the part of U. of W. and the W.L.U. S.A.C. has procured CHILIWACK for two shows at this low cost to you. The scene of this happening is the Waterloo Luthern Theatre Auditorium starting at 8:30 P.M. on Wed March 21. Tickets are available at Kadwells, Huntz, Sams and the Fed Office.



"BELONGS TO THE
NEW MEDICINE MAN,
CALLS HIMSELF
'PY THAGORAS' "

Tonto

WHAT'S UP?

FRI. 16	SAT. 17	SUN. 18	MON. 19	TUE. 20	WED. 21	THUR. 22
Chinese Movies MC 2065 7:00 & 9:00	St. Patrick's Day Pub FS. 8:30	Special	Matheatre MC 2066 2:30 "Shi the Outer Limits" "The Pharmacist"	BLOOD DONOR CLINIC 3rd floor Math & Computer Building 10:00-12:00 1:30-4:30	DONOR CLINIC 10:00-12:00 1:30-4:30	10:30 - 4:30

spirited beginning...

BIRTH OF NEW COUNCIL

Amidst an outbreak of pyromania, votes on votes and the occasional comment from the pigeons outside, the first "real" meeting of the new math society took place on Tuesday afternoon. However, despite these minor incidents, this first session of the newly-elected council was a spirited one. Members boasted a 100% turn-out and, as somewhat of an insurance measure for a continuance of the same, council passed a motion, which in effect requires members to attend at least 50% of the meetings in any one month, or face being voted out of council. As part of her election platform, new mathsoc president Cindy Harris suggested that the meetings of mathsoc meetings should be made public via mathNEWS. Complying with this request, the following report on Tuesday's meeting was submitted by Camille Tkacz.

mathsoc report...

Tonight Tuesday, March 13, 1973 at the Math Society council meeting the new president, Cindy Harris announced her new Executive. David McMaster, has been appointed the Social Director with Carl Chaimovitz as the assistant Social Director and Executive without Portfolio. Bonnie Matt has been appointed the Treasurer with Jeff Braybrook as the intern Publicity and Publications Director and Lucy Sokolowski as the intern Secretary.

ANTI-CAL

Among the items reported on were the Anti-Calendar future plans and volunteers were solicited from the members present. Another report was given by Jeff Braybrook with regards to his films which have been running for the last three weeks. Jeff seemed quite pleased with the response so far and is hoping for more participation as the word gets around.

SUNDRY DISCUSSIONS

Business-wise quite a few items were on the agenda. Coffee and doughnuts, which will be more thoroughly discussed at the first summer meeting of the Math Society, stated through the auspices of its manager, Godfrey Lee, that there will be a report given in an imminent meeting on how coffee and doughnuts is doing and how it has done this term. The lockers which are now occupied will not be cleared out till the last day of exams and since other students will want them for next term, the council hopes that they will be cleared out by the students themselves on the last day of their exams, so that their belongings will not have to be removed. OPIRG and what the Math Society will do about it will be dealt with, it has been decided, at such time that the Math Society Council is more aware of the wishes of the students of the Faculty of Math. Math Society bulletin boards and Math Faculty Bulletin boards

will be kept more up to date as was decided at the meeting tonight. Cindy, our new president, promised, spurred on by the past Social Director, to get her (censored) going on the issues of her campaign.

All in all, the first meeting for business of the new Math Society Council was very well attended, fairly well run, and a lot of work accomplished.

Matheatre

A new movie house has opened in MC 2066. In an operation sponsored by Math Soc free films of exceptional calibre have been presented for the past three weeks. Although this enterprise has not marked a rebirth of the motion picture art the response has been good. Jeff Braybrook, the man behind the projector, says he hopes to see more participation as the word gets around. Some of the coming attractions include: ON MONDAY MARCH 19 2:30 "Ski the Outer Limits" -a little something to restore the faith of all you downhill addicts who missed out this year due to a severe case of warm weather and a lack of the white stuff, added attraction- double bill "The Pharmacist" with W.C. Fields -a little archaic humour from the dim past but good fodder for you nostalgia freaks. ON MONDAY MARCH 26 2:30 "The Question Tree" -you tell me, I haven't a clue about this one. Also "24 Hours at Le Mans" -all you racing fans should love this one, watching the little cars go round and round the track. Some shots of the French scenery should be a drawing point for you lonely boys.

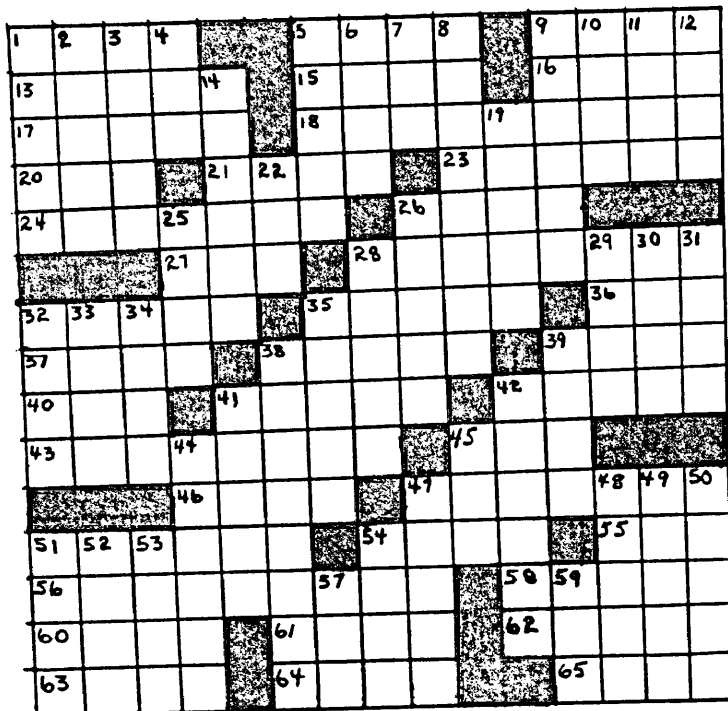
sound off :

ROWDYMAN VISITS U of W

On March 2, Circle K Club ran a pub in food services as part of their student service projects. Towards the end of the pub both of the wash-basins were untimely ripped from their mounts in the men's washrooms. Damage amounted to over \$200 for parts alone with labour taking an equally sizable chunk. Is this the work of a demented mind or is this some new trend in things to do at pubs?

LAW & ORDER

On another occasion an unhappy drunk when told to stop breaking bottles exhibited his superior intelligence by punching holes in the ceiling tile. He then proceeded to punch one person in the eye and a second in the stomach. The Federation is now looking into decreasing the number of Security persons at the pubs. Is this a wise move on the basis of what has happened? Can we expect peoples behaviour to change for the better, or will it get worse? We all benefit from smoothly run pubs so it is our responsibility to voice our opinions. Come on speak up for law and order.



ACROSS

- 1) Killed
 5) Book of Bible
 9) Dog's feet
 13) It's capital is Austin
 15) Good, bad or ugly
 16) Wings (LATIN)
 17) Oust
 18) Imitate Riemann
 20) Slippery fellow
 21) Ceremony
 22) Five kids, all at once
 24) Likes more
 26) Je... J'ai dit
 27) Tree
 28) Scraping of teeth
 32) Kind of plug
 35) Read from
 36) Mustang or pinto
 37) Citrus fruit
 38) Measurement of paper
 39) Any
 40) King-beater
 41) Patched blanket
 42) Tendon
 43) One of first rockets
 45) Fiver
 46) Bird
 47) A lot of yellow ones around here
 51) State
 54) Use a horn
 55) Linkletter
 56) Two-sided
 58) Not now
 60) First man to be conned by a woman.
 61) Ride out of town on a _____
 62) Female name
 63) Makes clothes
 64) Agile
 65) Telegdi

DOWN

- 01) Having a sharp decline
 02) Lifting a tool
 03) Banishment
 04) Army woman
 05) Gives out
 06) Area
 07) Deteriorate

GRIDWORD

- 08) Good enough
 09) District church
 10) _____ alda
 11) Famous physicist
 12) Notices
 14) Going like a _____ of shit.
 19) External appearance
 22) Botler
 25) Get the hell out of the way, or I'll bean ya.
 26) Piggish sound
 28) Merciant's union
 29) Religious image
 30) WORD WITH NICK OR BRAND
 31) Sprouted
 32) Eastern European
 33) Print size
 34) Prayer word
 35) Hierd event
 38) Football terms
 39) Basin
 41) Liquid measure
 42) Hammer and _____
 44) Shines
 45) Sports watcher
 47) Like St. Nick
 48) Department store owner
 49) General movement
 50) Wander
 51) Down with (FR)
 52) Flank
 53) Cole _____
 54) Rock opera
 57) Talk it over
 59) Pie _____ mode

This week's gridword courtesy of Norm Macdonald.

GRIDWORD COMMENT

Norm Macdonald won the T-shirt in last week's gridword. There were no other correct answers. As usual a free T-shirt will be handed out to the first correct solution to this week's gridword. Submit solutions to MathSoc Office.

	13	12	11	10	9	8	7	6	5	4	3	2	1
14	R	I	S	E	R	I	T	A	T	R	A	C	T
15	A	L	E	X	A	N	D	R	A	E	L	L	E
16	F	L	E	X	B	L	U	R	B	P	O	E	T
17	T	E	N	O	R	A	R	A	B	A	T	O	L
18	P	L	A	N	A	Y	E	S	Y	Z	Y	G	Y
19	F	O	R	E	C	A	S	T	F	U	E	L	S
20	E	R	R	M	A	R	S	H	A	R	I	O	I
21	F	R	A	U	D	L	A	U	R	E	L	A	S
22	F	M	Y	L	A	I	B	R	A	N	D	T	B
23	E	I	B	A	B	I	E	S	D	U	N	C	E
24	R	A	Y	T	R	I	A	D	S	B	E	L	L
25	M	U	T	E	A	I	M	A	I	M	E	A	T
26	A	L	E	S	S	S	S	Y	C	A	R	P	S

Jan Verker and Eric Granz.



TALL (PDP-11) VS FISH (360/44)
The Fish Injun Attack

Notes by Fish

<u>Tall</u>	<u>Fish</u>
-------------	-------------

1. P-Q4?	...
----------	-----

A weak, unoriginal, and conventional move.

1. ...	P-QR4!
--------	--------

The initial move of the unbeatable Fish Injun Attack, and the move which has made me what I am today. This attack derives its name from the clever faked queen-side attack to divert Black's defenses, followed by the quick crushing blow to Black's undefended king. The unprecedented application of this historical tactic is due entirely to my superhuman powers of induction.

2. P-K4	P-QB3
---------	-------

3. P-QB4	P-K3
----------	------

4. P-B4	P-R5
---------	------

5. P-K5	P-QN4
---------	-------

White has foolishly wasted time, while I have developed strongly using the powerful Maginot line attack.

6. PXP	...
--------	-----

White takes the bait.

6. ...	P-QB4
--------	-------

7. N-QB3	B-N2
----------	------

8. N-B3	N-KR3
---------	-------

9. B-B4	R-R4
---------	------

White prepares for what seems to be a Black queen-side push.

10. O-O!?	B-K2
-----------	------

11. B-K3	O-O!!
----------	-------

Just another move out of thousands demonstrating my flair for originality.

12. Q-B2	P-Q4
----------	------

13. PXP ep	BXP
------------	-----

14. KR-b1	N-K5
-----------	------

15. B-Q2	PXP
----------	-----

16. NXP??	...
-----------	-----

Obviously, White is feeling no pain now.

16. ...	BxBP
---------	------

White now has the choice between losing much material or a forced mate.

17. N-B3???	...
-------------	-----

He chooses the mate! Perhaps it is just as well for the quality of his play shows that he is in no condition to continue.

17. ...	Q-N3ch
---------	--------

18. K-R1	N-B7ch
----------	--------

19. K-N1	N-R6ch
----------	--------

20. K-R1	Q-N8ch!!
----------	----------

21. RxQ	N-B7 mate.
---------	------------

The traditional smothered mate (asphyxiated spouse to all of you polysyllabic profundity and platitudinous ponderosity fans).

A note by Fish's writers: thank you sincerely for all the letters regarding the mistake in last week's game. Among the first to correct us were Mark Shields and Mark Saaltink. When Fish heard of the error, he called us unprintable (anywhere but Engineers) names and repeated the right variation..

The corrected continuation (given at the end of the game) is: 15. ... N-KR3 protecting against the mate) 16. RxP (threatening 17. QxRch NxQ 18. R-B8 mate) P-QB4 17. KR-B3 (threatening 18. QxRch NxQ 19. R-B8ch K-K2 20. R/3-B7ch K-Q3 21. RxQ

etc. with a bit of material gain.) QxP 18. R/7-B6 K-Q1 (getting his king out of the line of fire) 19. RxN etc. with a win for White, of course.

Fish can be reached through '11495 MAIL' or '555 MAIL'.

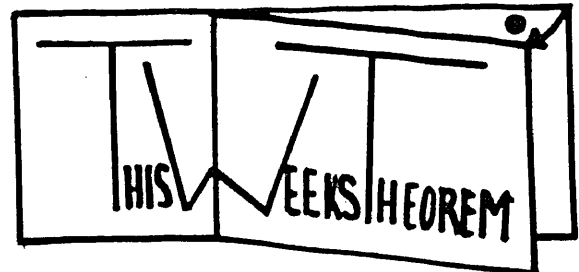
TO CHUCK: BETTER LUCK NEXT TIME!

the Water Melon Caully Flower Dough

This is part 7 (of 9)
of an inspirational
novel by Gerhardt van
Schplümpftk

CHAPTER 7

Eat me.



Take any rectangle ABCD ($BC > AB$), choose point X on BC so that $BX = BA$. Extend AX to Y. Then

$$BY = BY$$

$$BX = BA$$

$$\angle BYA = \angle BYX$$

$$\therefore \triangle BYA = \triangle BYX$$

$$\therefore YA = YX$$

But A, X, Y are collinear in that order, so $XA = YA - YX = 0$. Now A and X are on the parallel lines AD and BC respectively. Therefore they are the same line.

Thus Area ABCD = 0

\therefore The area of any rectangle is 0

Practical Application:

The area of any hockey net is zero; hence, the New York Islanders can never score a goal.

thank to Mark Brader
(we were desperate)

math ETICS

HOCKEY ... TOURNAMENT SLATED

The unofficial Ontario Universities intramural hockey championship will be decided this coming week with the inaugural University of Waterloo intramural invitational tournament.

Commencing with two games involving local teams on Thursday, March 22, the tournament will continue all day Friday, March 23 with the championship game slated for Saturday March 24. All preliminary games will be held at Moses Springer Arena (Lincoln & Weber St.) with the final to be held at 9:00 pm Saturday at Waterloo Arena.

Six other universities are expected to send teams. MacMaster University will likely be represented by traditional power-houses Edwards Hall while the University of Western Ontario will likely send King's College. The University of Guelph, Waterloo Lutheran University, York University and the University of Toronto are also expected to participate.

Representing the University of Waterloo will four time champions Regular Math and the team Reg Math edged 1-0 in the winter play-offs this term--Environmental Studies. The two societies of the faculties of Math and E.S. are jointly sponsoring the event. Here is the tentative schedule: (Games will be at these times but the visiting teams may play at different times than are noted here)

schedule

Thurs. Mar. 22, 3:00-4:30 pm

SERIES A Regular Math vs. University of Guelph, 10:00-11:30 pm

SERIES B Env. Studies vs. Waterloo Lutheran

Fri. Mar. 23, 9:00-10:30 am

SERIES C U. of W. O. vs. York University, 10:30-12:00 noon

SERIES D U. of Toronto vs. MacMaster University, 1:30-3:00 pm

SERIES E Winner A vs. Winner C 3:00-4:30 pm

SERIES F Winner B vs. Winner D (All above games at Moses Springer)

Sat. Mar. 24, Winner E vs. Winner F 9:00-11:00 at Waterloo Arena

Admission: 25¢/day
50¢ for final

CLASSIFIED

ADS ARE***FREE***. Send them to mathNEWS, c/o mathsoc office, M&C 3038. Or drop them in at the mathsoc office, anytime.

FOR SALE: 1970 Kalasaki 250 A1 totally rebuilt, with TT100 rear tire \$600 or best offer. Call Dave 884-9338

FOR SALE: One waterbed no frame Call Ron 884-8195

FOR SALE: McClary-easy wringer washing machine, 2 1/2 yrs. old \$40.00 excellent condition. Call Ian 884-9925 anytime

FOR SALE: 1967 Suzuki X6 250 cc. completely rebuilt & rebored colour-racing green \$350 Call Ian 884-9925 anytime

FOR RENT: Don Ablett has room, 379 O'Connor St. Ottawa Ont. 235-0331 share a large room, complete run of a house \$65/month

TO SUBLET: Townhouse, 4 bedroom. Furnished, dryer, cable TV & phone connected. Pleasant view 518b Sunnyside Place Lakeshore Village April 24 to Aug 31. \$200/month Call 884-6453

Gauss Lives

SACRIFICE: If we don't sublet our 4 bdr. townhouse this summer, we'll have to stop drinking beer and eating at Macdonald's save us, only \$200 per month, Phone 884-6453

WANTED TO RENT: A room or apartment in Ottawa for summer work term. Contact Dennis, S4-216 Village 1 or phone 884-5968

HOUSING: Anyone in Math with available housing, please leave a list in MathSoc office. It's to your advantage.

LOST: I have lost a ball point pen in the key punch room on the 2nd floor on March 11. It is silvery. It means a lot to me Please phone 884-9013 Kathy

LOST: In M&C building on Tuesday, Math 229 text, "Linear Algebra with Differential Equations" by TSE-TSEN HU. Call Paul McKnight at 884-0035

Herman died last night. Anyone interested in attending funeral please phone extension 2324, ask for Zelda



Testing....



FEEDBACK:

resounding off

Dear Editors:

I wish to have words with our anonymous "self-proclaimed intellectual" who sought on February 23 to alarm us with the spectre of one Jerry Malzan, brandishing his maple leaf, driving the barbarians from our gates.

It is fallacious to hold that intellectual competence has been the sole operative criterion for hiring faculty of Waterloo. In most cases there has been some prior connection, formed in graduate student days, which facilitates hiring. In one instance a friend from the old school inquires as to whether your department is likely to have an opening. In another, a friend or former teacher reminds you that one of his good students (usually his "best student in years") will soon be looking for a job. Or the fellow you met at the last AMS meeting writes to tell you his being laid off next year. When a large proportion of our faculty are foreigners and new immigrants, the overseas connections are weak. Then letters of reference from Canadian universities fall on deaf ears; those from overseas bear with them a certain glamour. Short of serious reassessment of priorities, the structure is self-perpetuating.

Our anonymous "reporter" asks us to select between "a shiny new Ph.D. born in Loose Creek Ontario, who does not know the first thing about teaching" and "someone from Stockholm, Melbourne, Tokyo or London (the other one, of course), perhaps world-reknowned in his field, who exhibits an adequate teaching technique". The question is more fairly put as follows: Given that our department has good applicants, graduates of other Canadian universities, or Canadian nationals who wish to return to teach in Canada after

(continued)

HELP!

WANTED: Persons willing to work a couple of hours Wednesday mornings (12mid to 5am) in producing a great literary work called the mathNEWS. Apply at the MathSoc office or show up at the appointed time (or a couple of hrs earlier) at either MC3008 or MC3011. Free coffee.

NEW MATHSOC COUNCIL

With this year's mathsoc elections now past history, mathNEWS presents this list of the newly-elected reps. These are the people to see with any complaints, suggestions, comments, etc.

- President:
Cindy Harris
- Vice-Pres:
Andrew Haycock
- Fourth Year Regular:
Godfrey Lee
Edna Morrison
Jan Sandaj
- Third Year Regular:
Randall Arsenault
Silvia Forte
Chantel Locatelli
- 3A Co-op:
Victor Estenan
Peggy MacMillan
- Second Year Regular:
Patrick MacGrath
Doris Ullman
Gordon Westlake
- 2B Co-op:
Jeff Braybrook
Malcolm Moore
- 2A Co-op:
Peter Lee
David McIlaster

