

## ross has troubles

# SUPPOSE THEY GAVE A WINTER WEEKEND AND NO SNOW CAME

They did and it didn't.

"The ski trip is screwed for this week anyway" lamented Ross Kirkpatrick, Mathsoc's social director. Now postponed until next Tuesday (Jan. 30, subject to weather conditions) the Barrie trip was originally scheduled for January 23. The trip which was organized in conjunction with Formosa Spring Brewery includes transportation to and from Barrie, cross-country skiing, food and beer. The ski equipment will be supplied by Formosa. Although only 70 people were permitted on the trip because of limitations on ski equipment and seating capacity, at least two other

trips have been planned for sometime in February. The cost is \$2 for Mathies, the balance being absorbed by Mathsoc. All other students pay the full price.

### MINI WEEKEND COMING

Another victim of the balmy weather, the Toboggan races planned for Sunday have also been postponed, but this time until Math Mini Weekend in late February. "Hopefully we will be able to use the same facilities then that we had planned to this time." said Ross, who had managed to book Kaufman Flats for the day as well as buses to ferry people back and forth from the campus. "But we will certainly

con't on page 2

# math NEWS

a news weekly  
published at the  
University of Waterloo

Thursday, January 25, 1973

## LEE ANNOUNCES NEW LOUNGE SERVICE

coffee and donut stand  
Manager Godfrey Lee today announced an expansion of service by his third floor lounge crew.

In an exclusive interview with MathNEWS Mr. Lee revealed that pens will now be sold at his stand.

"They come in two prices and multi-colors," he explained. "15 cents for the cheaps and 30 for the executive model."

"Both take standard refills and are retractable. And they clip on to your pocket."

When asked why the stand is expanding, Godfrey pointed out that someone who loses a pen won't have to truck all the way to the bookstore and stand in line. And they can get a donut queen donut at the same time.

A spokesman for the bookstore refused to deny a rumor that they are negotiating to sell Tim Horton donuts.

Wednesday, January 24, 1973.

WEEKEND  
(cont'd from p1)

be supplying all equipment as we had planned to this weekend. And of course the prizes." continued Ross.

## MATH'S SENATOR BLASTS FED.

McKay Breaks with Federation over fee increase..... (in the first article of a nonweekly column, Math student senator Bruce McKay explains his views on senate happenings.)

### SMILIN' BURT PRESENTS...

In the past several weeks, the budget for the year may 73 to may 74 has been presented to various bodies by the President. There has been a great deal of misunderstanding and in some cases misreporting of this budget. The causes of this are two fold. 1. The changes in Senate and Board caused by the new U of W Act 2. Ignorance on the part of many people. Personally I fall into both categories. After three rather lengthy meetings, I am somewhat enlightened and would like to pass some information about the budget.

### HERDS OF MONEY

The total estimated ordinary operating income is \$1,910,000. Of this tuition accounts for 19.44% (as compared with 17.64 in 1971-72), provincial government grants are 78.55% as compared to 80.80. It is predicted that the deficit for next year will be \$137,300. This deficit is subject to many contingencies (such as enrollment shortfalls, settlement of salaries, etc.) which could drastically increase the deficit by numbers in the range of 1/4

Ten events have been organized involving toboggans, sleighs and disks:

- 1) Mens Downhill Toboggan
- 2) Womens Downhill Toboggan
- 3) Couples Downhill Toboggan
- 4) n-tuples Downhill Toboggan
- 5) Downhill Turning Sleigh
- 6) Slalom Turning Sleigh
- 7) Downhill Disk
- 8) Slalom Disk
- 9) Trick Toboggan
- 10) Trick Slide (on your ass for instance)

Individual and event prizes will be awarded, including a trophy for the top winner of the day (mens and womens).

These events are also sponsored by Formosa Spring Brewery. And, you've guessed it, at all Math Weekend pubs they'll be serving Oktoberfest lager and Club ale.

million dollars. This deficit will be covered by the carryover or unallocated funds the University has estimated to be \$1.859 million at the end of April 1974. This fund should not drop below \$1 million in case of future unexpected expenses.

### FEDERATION BEATS HORSE

At the Senate meeting on Jan 15, 1973, the Federation of Students presented a set of proposals which were completely ridiculous and indicated that very little research was done. It is impossible for the University to refund any increase in tuition in any manner because the Provincial Gov't won't allow it. But rather than try and present feasible alternatives and suggestions, the Federation continues to beat a dead horse and make \*\*\*\*\* of themselves.

For further information about the budget please contact myself (I have hundreds of pages of material on it), 576-1758.

Bruce C. McKay

# APL FREAKS NABBED AND ABORTED irks dirksen...

Ripoff seems to be the name of the game for undergrads using APL.

A memo sent out by Paul Dirksen, Deputy Director of the Computing Centre, shows that the Computing Centre is going to have to crack down on APL usage. Recently the Computing Centre had noticed some problems with APL and had received complaints from users who were being BOUNCED (forcibly signed off the system). It appears that a few students found out how to make their account numbers privileged, enabling them to have all the power of the main console to BOUNCE users and interfere with the system.

## STUDENTS FIRED

The Computing Centre managed to track down the students involved. They were subsequently fired from their part time jobs they had with the Faculty of Mathematics and were warned that if they were caught again they would be expelled from the university.

## BOUNCED AGAIN

But a few weeks ago users were again being BOUNCED. This brings up the question of how easy is it to break the security system. The technique is actually quite simple; one APL freak gave us this example:

"Write a simple APL program that acts the same way as sign-on procedures so that when you enter )6833, for instance, it replies with the usual NUMBER NOT IN SYSTEM message and then overprints. But the program should also write a copy of the entered account number onto a file so that it keeps a copy of it.

"The next step is to phone the Computing Centre and say that

you can't sign on. When someone arrives to fix the terminal, one of the first things he will do is to try to sign-on with his privileged number which the program dutifully records.

He goes on to explain: "The program should terminate after a few tries so that it appears that the terminal is fixed. Later you merely list the file which will of course give you the privileged number."

## MORE DIFFICULT?

This is not the first time that the Computing Centre has had to deal with APL ripoffs. APL is a well known source of note paper for undergrads in all faculties. But if you've tried to pick up APL paper recently you'll notice the vertical perforations missing, making it more difficult to trim it to note book size - not exactly a strong deterrent.

## A CHALLENGE

"...students are (not) trying to be malicious but instead find it challenging to try and break the security system of APL." explains Dirksen.

He goes on to state that students "do not comprehend that this type of action is considered a serious offence by both the Dean and the Computing Centre" and warns that "This will result in more red tape for the student, the professor and the Computing Centre."

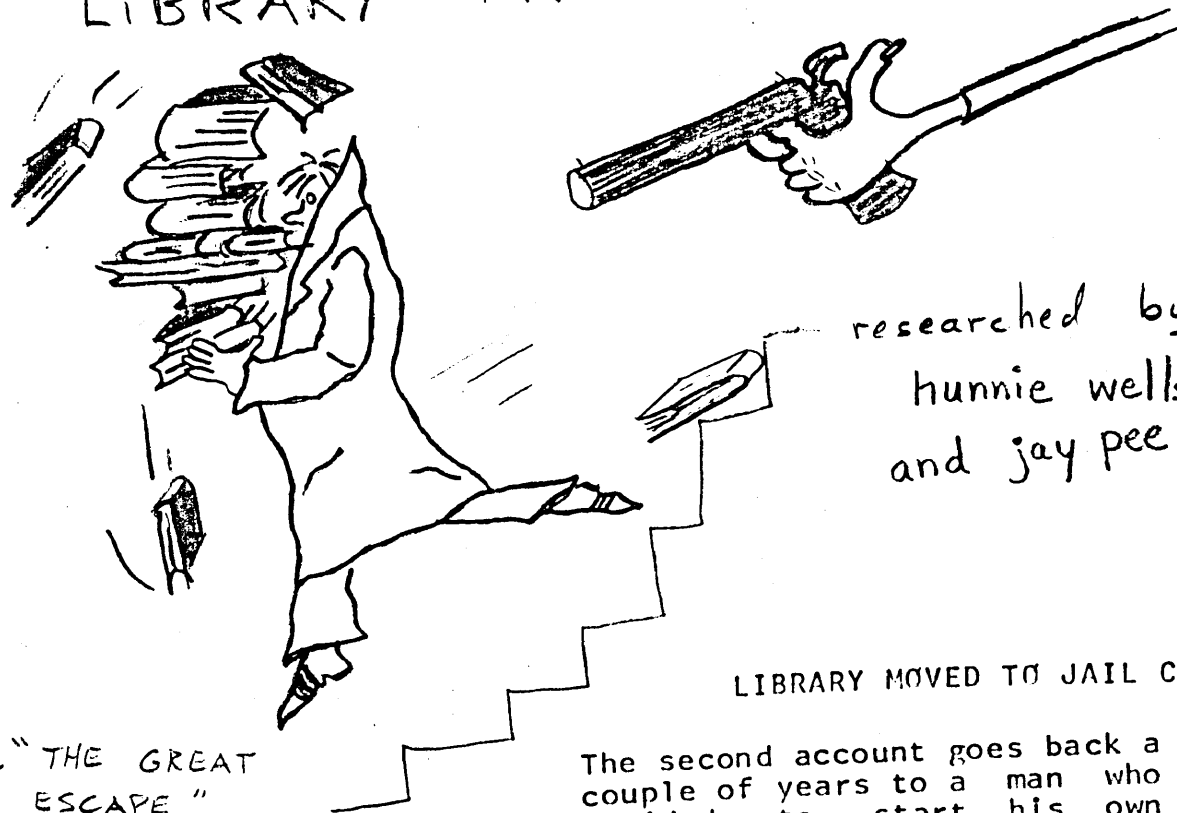
## LIBRARY TOURS

Today, and again next Wednesday January 24 and 31, FMS Library tours will be conducted for anyone wishing to learn how to use the library. There are 4 tours on each of the 2 days at 9:30 and 10:30 in the morning as well as 2:30 and 3:30 in the afternoon. Please meet at the reference desk.

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“STOP OR I’LL CANCEL YOUR  
LIBRARY PRIVILEGES”

Brucie



researched by  
hunnie wells  
and jay pee.

LIBRARY MOVED TO JAIL CELL

(OR ..... "THE GREAT  
ESCAPE")

"If someone wants a book badly enough, he'll get it.", at least so remarked Mrs. Mixer, supervisor of the circulation department of the EMS Library.

#### THIEF CAUGHT WITH PANTS DOWN

Indeed, the lengths to which certain individuals will go in order to rip-off the library, were vividly disclosed in two stories recounted by one of the library attendants. One case involved a would-be thief who was apprehended in the men's washroom while frantically trying to conceal a pile of books in his clothing. The man's library privileges were cancelled (the standard penalty for such offenders), however, the character had a hard luck story which was apparently so convincing that his library privileges were reinstated - just in time for him to be caught a second time for the same offence!

The second account goes back a couple of years to a man who decided to start his own private library - at the expense of the university. Before being nabbed by Security this individual had

managed to amass a personal collection of some \$3000 worth of stolen publications. Hopefully he's had second thoughts about the value of his project since he was thereafter forced to do all his reading "in the jug".

#### RED TAGS MISSING

Just how common are such occurrences? A stroll down the aisles of the EMS Library seem to indicate that such rip-offs are far too prevalent; the red tags used to mark "missing" books appear to abound in great numbers and look to have particularly infested certain parts of the math section (rumor has it that it may soon be necessary to use a series of orange tags to replace the growing number of "missing" red tags ).

(con't)

## Stop or I'll Cancel Your Library Privileges (continued)

Fortunately we are told that the situation is not nearly as epidemic as it might appear. The latest statistics available concerning "absent publications" are those from last summer when stock was taken. Those figures revealed that 649 volumes were "missing" for the first time (ie books missing from previous years are not included in this total). This

is not considered to be a staggering loss. In fact, Mrs. Mixer notes that this is regarded as a relatively "conservative loss".

### GUILTY CONSCIENCES

It is interesting to note that approximately 25% of those books which were reported as missing last year did

eventually show up. 25% Guilty Consciences? Or just end of term clean-up?

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## sound off : "DON'T SUPPORT O-PIRG"

Yet another fee increase? If a group of U of W students and faculty has its way just such a so-called "voluntary" fee increase will come into effect if and when the U of W Board of Governors can be so persuaded. However, before rashly condemning such a move some background information is necessary.

### PLANS TO HIRE PROS

The above mentioned group has attempted to start the Ontario Public Interest Research Group (OPIRG for short) here on campus. Those involved claim that OPIRG is perceived as a student funded, student controlled organization set up to uphold the public interest dealing with such matters as environmental protection, consumer protection, corporate and government responsibility and human rights. The organization plans to hire a full-time director and several full-time professional workers such as lawyers and scientists.

### INVOLUNTARY VOLUNTARY FEE

So much for the purposes and aims of the group which surely most people would consider to be noble enough. But how about the method of financing such endeavour? OPIRG sees a "voluntary" student

fee increase of 2 to 3 dollars as a just method of funding. This "voluntary" contribution, in fact, means that each student would involuntarily be compelled to pay this increase as part of his incidental fees when payment of tuition fees come due. Then, supposedly sometime early in the school year, should a student decide he does not want to contribute, he would be able to recover his "voluntary contribution" which he involuntarily was forced to pay.

### WHY NOT MATHNEWS?

Such a manner of financing brings to mind a number of questions. First of all, one must question the very method itself which is so misleading if not unethical. For what is termed a "voluntary" fee is in actual fact an involuntary fee which is recoverable at some later date. Thus, all of the onus and inconvenience is placed squarely on the student who is made responsible for recovering his involuntary "voluntary" contribution. Secondly, why has OPIRG decided that responsibility for the funding of this group should fall into the pockets of students? Why shouldn't an organization, such as this one, which will supposedly benefit the community at large not be supported financially by that

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## OPIRG (con't)

community? And thirdly, why should OPIRG enjoy a privilege denied to so many other groups on campus? Surely there are numerous other organizations and clubs on campus that can argue, and justifiably so, that their projects are as equally important as those of OPIRG. Were the Board of Governors to grant this collection of money by OPIRG how could they deny other groups the same privilege after setting such a precedent?

Students should give the matter some serious thought, especially mathies who have somewhat of a share in the organization. Through their society fees, math students granted OPIRG \$100 to help the organization get under way.

For those students who are interested, you will be able to meet Steve Atlas director of the New York PIRG, who will be in the faculty lounge on the third floor of the Social Science Building next Monday, Jan 29 at 11.00a.m.. Then, on that same

evening there will be a general meeting at 9.00p.m. in the math faculty lounge on the fifth floor of the Math Building.

## LOCKERS

Do you long for the good old days? The days when you went to high school and had your own private locker to toss your junk in.

Well now you can relive those good old days.

However you'll have to wait 'till next term because all 438 Math lockers are now occupied. (The last ones were issued on Monday).

Originally the Math Faculty controlled the lockers but after the number of lockers expanded to 72 it seemingly became too much for the Math Faculty to handle. Control was given to the Math Society and demand rapidly grew. So the Faculty bought another 366 lockers at 7 dollars each and after many hassles had them installed. They are given out by term basis through Mathsoc.

Want one?

see Mathsoc.... next term!

## GAUSS LIVES!

### CLASSIFIED

-Wanted: one Theory of Interest text by Kellison, willing to pay 75% of bookstore price. Phone Bill Andrus at 578-1807 or leave note in Mathsoc office.

-Wanted: 2 or 3 girls to share a 3 bedroom apartment with another girl at Erb & Vestriount. Phone Ann Langruir at 744-4471, ext. 215 and in the evenings at 576-1955.

-For Sale: 250 Kawasaki (single) in good condition, 1970 model, asking \$400. Call 576-8526 and ask for Al Ship.

-For Sale: \$90,000 worth of core, slightly soiled, in near mint condition, cheap. Apply in Honeywell room.

-Housing Available: May-August, one bedroom apartment, Waterloo Towers. Phone: 884-8730.

-Happy Birthday Wendy +  $\frac{A M L}{.5 M P}$   
K J P

-Famous Quotations Sent Telenathically. Send 25¢; choice of author; SA-214 Village 2.

-Congratulations: Sharon and T. J.

-Congratulations: Chris and Gat.

Personal: to Mike from Harry: "EAT ME".

.... offers courses

# KOMPUTING KENTRE KATERS to KOMPUTER KEENERS

The Computing Centre is offering a program of non-fee, non-credit courses and seminars during the winter term to assist those wishing to extend their knowledge of computing facilities and programming. These courses are open to all faculty, staff and graduate students.

## WE TAKE REQUESTS

The courses and seminars being offered this term were chosen from requests made by those who attended the Fall schedule of courses. An attempt has been made to include the majority of these requests in the schedule, with the minimum amount of conflict. A larger program of courses will be offered again during the Spring term.

## HELLO? DAVE'S NOT HERE!

If you wish to attend any of the courses outlined below, register by calling ext. 3020.

## REGISTER EARLY

It should be noted that enrolment in these courses may be limited, and those classes for which there is insufficient response may be cancelled; so avoid disappointment by registering early.

## COURSE SCHEDULE

1. General Purpose Simulation System (GPSS) Monday and Thurs., Jan 22, 25, 29 and Feb 1 from 4.30 to 5.30 p.m.
2. Introduction to APL: Tue. and Wed., Jan 23, 24, 30 and 31, from 4.30 to 5.30 p.m.
3. Efficiency Hints in FORTRAN Programming Mon., Tue., and Thur., Feb 5, 6, 8, 12, 13 and 15 from 4.30 to 5.30

4. Introduction to WYLBUR Wed., Feb 7 and 14, from 4.30 to 5.00p.m.

5. Advanced ATS Workshop Seminar to be held Thur., Feb 15 from 1.00 to 2.30p.m.

6. Statistical Package for the Social Sciences (SPSS) Mon. and Thur., Feb 19, 22, 26 and March 1 from 4.30 to 5.30p.m.

7. Waterloo Interactive Terminal System (WITS-II) Tue. Feb 20 and 27 from 4.30 to 5.30p.m.

8. Advanced Concepts of WYLBUR Wed. and Thur., Feb 21 and 22. The Wed class will be held from 4.30 to 5.00p.m. and the Thur. class from 1.00 to 2.30p.m.

9. Advanced APL Wed. Feb 23, and March 7 from 4.30 to 5.00p.m.

## ROSS TRUCKS ON

I know, you haven't seen Math Weekend yet but Ross is already organizing a Math Mini Weekend for late February.

Here's the scoop:

Feb 23 - Pub Dance in Food Services with JASON. 8:30pm.

Feb 24 - Pub Dance in Food Services with YUKON. 8:30pm.

## THE IRISH ARE COMING

And for all you green lepricon freaks, on March 17 in Food Services there will be an Irish Pub Dance. It should be

## the phantom reports...

# HONEY IS DEFINATELY NOT WELL

### HONEYWELL CRASHES

After many trials and tribulations, the Honeywell is now working reasonably well. It might even be considered somewhat reliable, despite an evident conspiracy among various plumbers, disc-pack manufacturers and air-conditioning experts (not to mention people who decide their jobs are more urgent than the time-sharing system!). It now crashes only once or twice a week.

### GMAP to ERIC

Since January the service provided has also improved due to the implementation of many new systems. Most of these are reliable and are either the work of first-year students or were obtained from some other institution. Of course, there are exceptions, such as the recent "GMAP" subsystem, written by one of our more eminent programmers (who would like to remain nameless). This subsystem manages to generate page numbers in your program and then proceeds to give error messages because it cannot understand what the page numbers do (keep up the good work Eric!). Any of you wondering about the sluggish response of tss lately will be glad to know that it is probably just the size of the GMAP subsystem slowing down the works.

### OUT OF DATE

For any of you slow-witted people who cannot keep up with the changes---\*\*\* despair not!\*\*\* --there is now a system that explains the other systems! It is called (what else?) EXPLAIN and it can even explain itself (which is more than some people around here

can do!). Too bad it is not up to date! Ah well, such is life!

### ULTIMATE SOLUTION

In closing let's just say what many an operator has noted before----- the damn thing would work a lot better if all these oddball voodoo freaks didn't keep sticking their pins in the terminals!

by.....the Phantom.....

## C&O DEPT. COUNT RAMSEY'S

The Combinatorics & Optimization Department hosted a working seminar on Graph Theory during the week of Jan. 15-19.

### NEW FORMAT

Their schedule consisted of talks in the morning followed by an afternoon workshon to research specific problems. Previous sessions had devoted more time to talks and the new format was considered, by Mr. Murty, to be very successful.

### HYPERGRAPH!!!

The main topics discussed were reconstruction of locally finite trees, Ramsey numbers and hypergraphs. In particular it was felt that a good deal of progress was made on Ulam's Conjecture.

### ATTENDANCE

The professors in attendance at the seminar were P. Erdos, Chvatal from the University of Montreal; P. L. Graham from Bell Labs; P. L. Hemminger from Tennessee; M. Watkins from Syracuse and M. Simonovits, Calgary.

O. E. D.



# Math VETICS

## Reg. Math Romps Over Lower Eng. 8-1

### COMPETITIVE HOCKEY

The Regular Math machine continued to roll towards an unprecedented fourth consecutive championship as they opened up with an 8-1 romp over the Lower Plumbers. Bob Madelev scored 2 goals and assisted on 2 others to pace the Mathies' attack while linemate Dean Mucci and Brian Creatrix also counted twice each. Pat Fallon and Warren Hoshizaki added the others while Bob Denney lost his shut-out late in the game.

### 17 GAME STREAK

The victory for Regular Math extended their unbeaten streak, dating back to January 1972, to 17 games. Over the past two years (4 terms) Regular Math (formerly called Upper Math) has won 25 and lost 1 while 2 games have ended in ties.

### CHAMPIONSHIP REMATCH

This Sunday Reg. Math will face their sternest test of the season against the powerful Environmental Studies squad. Game time is 11:00 p.m. at Moses Springer. The Studs will likely still be smarting from the 6-2 shelling they took at the hands of Reg. Math in last term's championship game.

### BERRY STANDOUT IN TIE

Meanwhile, Math I played their first game of the new term and held heavily favoured Co-on Residence to a 3-3 stand-off. Math I battled from behind a 2-0 deficit on goals by Tom Wilson, Ken Albright and Len Kulnerger and brilliant net-minding by Pav Perry gave them a point in the standings.

### UPCOMING EVENTS

Doubles badminton: entry date Mon. Jan. 29 Tournament: Wed. Jan. 31 at 7:15 p.m. PAC

Skiing: Co-ed Ski Day, Feb. 6 at Chicopee

Ring Road Relay Race: Fri. Feb. 2 (5 runners per team, 1 runner per lap). Also following: the Groundhog fog-recreational jogging around the ring road.

## THREE DRIBBLE

Monday night in the jock shop saw three Math squads do basketball battle as the winter competitive league got under way.

### DIXON SINKS TWELVE

In the closest match of the night a free throw enabled Reg. Math to squeak out a 34-33 contest over the highly touted and over-confident Jock team. The Jocks led most of the way but clutch shooting by Dave Dixon and Gilles Codin gave Reg. Math a surprising triumph. Dixon led the winners with 12 points.

### OPTOMETRY LOOKS GOOD

Elsewhere, the other two Math teams did not fare as well as Co-on Math were bounced by Optometry by 38-32 and Math I were squashed 57-17 by Feet County Plus Independents.

## Around the Circuit

Math broomballers are anxiously awaiting the commencement of the Co-ed Broomball League set to begin next week.

## math 340/473/101

Have you any complaints about Math 340/Math 473? Today at 1:30pm in MC5158 you'll have your chance.

This will be an open session to discuss the pros and cons of these courses in response to expressions of dissatisfaction that the AA&CS Dept. has received.

PROFS .  
Dr Fischer and several of the professors who teach the course will be there.

ACTION! ...

The last session of this type was held last year concerning Math 332a/b. That session resulted in having Math 332a dropped as a compulsory course.

As you can see these sessions can result in constructive action being taken. However, this can only happen if students get out to these sessions and express their opinions.

by.....Dennis Menace.....

## Rally Roundup

Have you ever gotten lost on a car rally or never entered for fear of getting lost? Then come to the Math Weekend Snow Rally on Saturday January 27th. At 10:45am there will be a brief rally school pertinent to this rally presented by a noted international rallyist. Registration is at 10:00am in the Math Lounge on the 3rd floor of the Math building.

## "here's the dope for this week"

WEDNESDAY, JANUARY 24

12:00 NOON Free Afternoon Pub  
Campus Centre  
2:30 P.M. Chess Tournament  
Entry Forms Math.  
Soc. Office  
Campus Centre Rm 110  
8:00 P.M. Bridge Tournament  
M & C 3002  
(Math Lounge Leftside)

THURSDAY, JANUARY 25

12:00 NOON Free Afternoon Pub  
Campus Centre  
2:00 P.M. Chess Continued...  
Campus Centre Rm 110  
8:30 P.M. Pub Dance  
Food Services  
With  
MAJOR HOOPLE

FRIDAY, JANUARY 26

12:00 NOON Free Pub in  
Campus Centre  
2:00 P.M. Chess Tournament  
Finals  
Campus Centre Rm 110  
8:30 P.M. Pub Dance  
Food Services  
With  
KODIAK

SATURDAY, JANUARY 27

10:00 A.M. Car Rally  
Briefing in M & C 3002  
Entry Forms Available  
in Math Soc. Office  
M & C 3038  
8:30 P.M. Pub Dance  
Food Services  
With  
COPPER PENNY

MATHNEWS -financed by but independent of Mathsoc  
cranking out the first edition while caffienated to our eyeballs we're  
still wondering if we should mention the end of the war... never again such  
an opportunity... And hans, where art thou with our pictures?... Sweating  
our 8:30am deadline we triumphantly were: lynn 'hunnie' solvason, bruce  
'titles' batchelor, dennis mullin, john 'article-a-minute' peebles, randall  
'edit' mcdougall, hans 'glossies' rempel, jeff the mouth braybrook and  
steve 'stay awake' treadwell..... special note to earl bowman: drop in  
again next week for another drink.... and yes virginia, this is a weekly...  
why don't YOU drop in and volunteer sometime??????