## fed by-election

## WHAT'S UP FOR GRABS

Math has 5 seats on council made up of representatives of all the faculties and grads, a body to which the Federation executive is responsible and the hody which must vote on Federation expenditures \& policies.

The position was vacated when ex-MathSoc president cindy Harris (who has recently resigned as Federation Vice-President) changed into the Arts faculty.

Elections are coming to the Math Faculty on Tuesday October 8 th and if you are in Regular llath you have the privilege

So what - eh? Well that's what most of you have been saying for about the last 5 years, because the turn-out at the polls has been less than 15\% for that long!

It may not seem important to you, but the Federation controls a quarter of a million dollars of your money, and if you don't have strength in office to steer them into spending in the direction which best benefits the students in general, and Mathies in particular, then you're wasting your money. It is your duty as a Mathie to support the candidate of your choice in the up coming election. A strong candidate is not one who's won an election 220 votes to
193 , for when (s)he goes to a council 193. for when ( $s$ ) he goes to a council meeting (s) he knows (s)he represents only $10 \%$ of the Math populus and for all (s) he knows the other $85 \%$ who didn't vote don't give a crap what goes on in the rest of the university outside of DEBUG or the HONEYWELL 2741 room.

The federation is run by some very persuasive people, who granted, are not trying to steal your money, but who need to know what students want done with their money, and not by an unsure council (most of whom were acclaimed or won their seat on a $20 \%$ vote), but by people who are strong; and not afrald to speak up for what they feel is good for their students; and who know who they represent like about $70 \%$ of the people (as in a typical federal election).

A lot of students have good intentions of voting but forget to bring their I. D. cards or don't realize it's election day until a quarter to 5 , that's why all this information is in BOLD lettering at the top of the page.

The candidates for the office are GARY DRYDEN and KATHY PEYCHA, read their short statements on page 2 and if you have anything you would like to ask them about their responsibilities as reps, or suggestions that they might bring forth to council. they are usually around the MathSoc office or Coffee \& Donuts.


## WARM NEWS:

## SUMMER HIGHLIGHTS

In case you are curious, somethings did happen this past summer. of course Somethings did not happen like a name change or shorter library hours but maybe this fall...

May:

[^0]June:
-mathNEWS was inducted into the University of Waterloo Archives -the Computer Chess Championship was held with RIBEIT emerging as the champ -with a bit of juggling the Math Soc books balanced
-rumors that "toilet paper", would soon be in use in the terminal rooms appeared.
July: -mathweekend occured at which time Eng Soc presented Math Soc with a nev "mathscot" to replace the pink tie. However Math Soc felt that it really didn't want to change its name to ArithSoc
-mathliEWS finally aquired a mailbox
August:
-RIBBIT went to Sweden and placed 3rd in the World Computer Chess Championship
-MathSoc was robbed of $\$ 60$ and 2 "trophies"

Thanx to summer editor Dennis Mullin (tho a little late)

## Friends, Students, Mathis:

## GIVE ME YOUR VOTE!

Math reps on Federation council are needed to keep the lines of communication open between the Federation and the Math students. He/She is the link for informalion to pass from the Math students to the Federation and vice versa.

If I am elected Math rep for the Federation council, I feel for the responsibility will, be strengthening and maintaining the communication between the
two groups.

## Kathy Peycha

Kathy Peycha 3rd yr. Reg. Math

During the past summer I became involved in the Federation and spoke to many of the members.

After speaking to them and sounding out other council members, I feel a lot of the people who work for the Federation have Pie-in-the-sky ideas, and these people seem to dominate the council because of their retoric abilities. One Math council member I know tried to interject her own rational ideas and was criticized so severely that she said almost nothing for the rest of the

What we need on council are people who won't be intimidated, and who will take a sensible position on most matters.
Experience:
Faculty Societies Committee, Board of Education, Federation of Students
Mathsoc's anticalendar
Mathsoc executive
Math men's intermural rep (2 terms)
Mans's intermurals executive


Gary Dryden
3rdyr. Reg. Math

## FED REPorts

Since I last wrote an article, a momentous event has occurred in the federation--the first council meeting in over a month has been called for october 10th at 10:00 Pom. In the Board and Senate Room in Ira E. Needles Hall. As well, on Tuesday, October 8 th , between 9:30 am. and 4:30 P.m. by -elections will be held in the Math, Science, and Engineering faculties for federation council rep. An advance poll will be held this friday in the Fed. office. I chair the election committee with Brad Smoulten of Engineering and Ron Kruschen of Arts serving with me.

As far as the Vice-Presidential situlatimon for the federation goes, my informatimon of last week was unofficial, drawn only from my own observations and I'm sorry if anyone was upset by it. However, I have been talking to Cindy Harris and her resignation is supposed to take place offcially this friday. I hope the federacion can find someone to fill the job as ably as cindy did. In closing, I hope you vote in the up-coming elections and read what your candidates have to say. Also, Id like to see you at the october lath meeting. It could be important because proposed bylaw changes may be discussed.


REQUIRED IC PROVE: .999... = 1 .
PROOF: Let $x$ equal 1.-.999...
Then either $x<0, x=0$, or $x>0$.
Anybody, even an engineer, can see that $x$ is not less than zero.
Assume $x>0$. If you give a real value to $x$, another smaller value can easily be found. In other words, $x$ is less than any given real number. Or, we can say that $x$ enulals zero.

## MATHSOC MEETS

The regular Mathsoc Councll meeting was held last Tuesday at $4: 30$ P.M. in MC2037. After the usual amenities, (rearranging the desks, approving the minutes, etc...), there were reports given on:
a) The AA\&CS Curriculum Committee - most of thelr last meeting was devoted to consideration of a new course, Math 320, which may be taught this fall. It would be a scaled down Math $340^{\circ}$ aimed at C.A. students. Another new course was proposed and will be discused at the next meeting. This is Math 314 which will be a scaled down Math 334.
b) Fed, by-elections vere discussed.
c) The board of Education reports that: the Federation is trying to sell the sound system in the Campus Centre Pub (which it owns) to the University (which now runs the Pub). Also applications are being accepted for Assistant Director of Student Activities. It has been decided to allow members of Kitchener House (a half-way house) into Federation events for the student prices.
d) Coffee \& Donuts has reauested a third signing authority (since 2 signing authorities are required on all cheques). The 2 previous were the Manager of C\&D and MathSoc's Social Director. The third is now MathSoc's Vice-President. A committee was set up to investigate the possibility of raising the C\&D workers' wages from the current $\$ 1.50$ an hour.

Under old business, it was decided to avoid the annual hassle of whether to have a semi-formal by accepting a proposal from the Engineers (who traditionally run better semi-formals anyway). In short MathSoc rould subsidize 35 tickets, 53 each, to be sold to Mathies. It would be a buffet dinner at the llaterloo Motor Inn. The band vill be OPUS II and tickets wili cost \$10. After an hour of disagreement over wording, this was agreed to.

It was decided to allocate $\$ 150$ to $\$ 200$ to supply the MathSoc office with a new Stereo Cassette Playback unit (that doesn't eat tapes), a 2 h-hour timer (to allow Radio llaterloo to be pumped into the lounges at night and automatically shut off after most people have gone home for the night) and a stereo L-pad (to allow for Stereo in the Lounge which until now has been mono) as well as some new speakers for the office to entice people in -- now that there is room for them.

Nominations in the Mathsoc byelections were extended until today coct. 4) at 4:30 P.M. in hopes of retting enough frosh nominated for at least a sizeable acclamation ( $G$ rens are needed and only 2 neople have apolied) elections will be oct. 16.

There will be an attempt to start liath. Theatre again this term.

The meeting was then adjourned $\because$ ith its usual swiftness.

## Honourary Member

The following is a letter written to the president of MathSoc thanking the soclety for the title of Honourary Life Member, given to Earl Bowman last winter. This membership requires two-thirds approval of Mathsoc council, and has been given to such greats as Dean Forbes and former Dean Stanton (our founder).

## Dear Friends,

I realize that I am pretty late in responding to the llonorary Life Membership in the Math Society which Andrew Haycock presented to me at the end of the Spring Term, 1974. I do apologize for the delay, but one of the main reasons for my waiting until now was to be able to thank you all very sincerely for the framed scroll which yourgave me. I assure you that it was really quite a surprise to me when Andrew called me into the Math-Soc office that night and handed it to me. I want you to know that I very much appreclate your gesas I live.

June 9, 1974, marked the sixth year I have served the Mathematics and Computer Building as Security Officer, working with you and your faculty. For the most part I have greatly enjoyed that time. I am very proud to be able to say that I am the first member of the Security Staff to receive this honour. I hope that we can continue working together as amicably as we have in the past, not only the Society and my own department, but also the Faculty, in order to serve as an example for those who come after us.

Thank you again, most sincerely, for your thoughtfulness.

Earl Bowman
Security Ufficer
Math and Computer Building

## TROPHIES?

The following people have not yet picked up their trochies.
DL'PLICATE ERIDCE: Raymond Fong
Marty Kirr Fio Tone
CHESS TCURNAMENT: R. Eajramovic

Trophies may be nicked up in the MathSoc
cffice, MaC3038.

## August Withdrawals

During the early weeks of August Math Soc experienced several unexpected withdrawls. The first occured on the Civic Holiday weekend when someone apparently unlocked the display case on the 3rd floor and walked off with several trophies. Two of the trophies taken were the 'MATH CAR' and the 'ARITHSOC'. The 'ARITHSOC' was an inscribed aluminum bar presented to Math Soc by Eng Soc earlier in the summer.

The other event occured later in the week. Don Sheehy, summer Treasurer, told mathNEWS that on the night of August 7 he came in and counted the money so he could make a deposit the next day. When he left around 10 pm the T-shirt fund held $\$ 70$ and the Petty Cash fund had $\$ 24$. After writing an exam he came in at around 11:15 am on Thursday to pick up the money to discover that "someone had nicely removed $\$ 60.00$ from the T-shirt fund".

He then proceeded to notify Paul Armstrong (summer President) who tried to contact the Head of Security. Don felt that they "should have reported it as an illegal parking - we would have got more action, more quickly".

It is interesting to note that if Don had not counted the money the night before this theft would not have been noticed.

## LASTWEEK'SSOLUTION

and a comment..

Last week the response to the gridword was overwhelming. In all, we recieved 52 entries , all correct!! The winner was Rob Ruppel.
 before.

Please, it is neccesary to send in only the entry form. We apologize to the people who tried to enter after we had gone to press. Uur deadline for Gridword entries is 16:30 on the Tuesday following publication. Entries after this time cannot, unfortunately, be considered.

You may note that this reek we have a regular Gridword... Last term's Gridword editor mailed it to us, but we did have some submitted which we may use in future issues so watch out!!!

## CSC - <br> New Location

The computer Science Club held its first meeting on Tuesday of the previous week. There was excellent turn out, and at that time about eighty members were enrolled. The CSC has more or less offlcially located itself in the MathSoc office. All CSC stuff, such as the CSC library, has been moved here, so now the CSC is as accesible as MathSoc. If you haven't joined the CSC yet, and would like to do so, you can by coming to the MathSoc office. There will be a CSC executive person to sign you up there for sure between noon and one o'clock. However, there is usuallya CSC big shot in there most of the time during the day. Our membership has grown to over one hundred members. To join only costs a Ruarter.

The accounts for CSC users on the Honeywell should be going in this week. They may have already gone in when you read this. other plans for the CSC include a set of lectures on the Honeywell. These were started last term, and proved moderately successful, so for anyone who wants how to learn how to get stuff done on the 'Bun, watch for times and dates. They will be posted on the CSC bulletin board, just outside M\&C 2066, as well as on other bulletin boards throughout the math bullding. The lectures are scheduled to start in about a week and a half.

If anyone has Ideas for CSC projects, or suggestions, we will be pleased to hear them. Remember, the CSC is a club run by students for students.

NOTE: There has been a slight foul up with the membership list. When it was fut on line, information for members $\# 100$ to \#109 was lost. Therefore, we would request that, if you are a member with a membership number in. this range (100, 101, ... , 109) that you would give us your name, id number, and faculty. You can do this by coming to the MathSoc office, and giving it to one of the CSC executive, by dropping it into the mathNEWS mall box on the third floor, or, on the Honeywell, by "mail csc".

The next regular meeting of the CSC will be held on Thursday, next week, in a location yet to be announced. It will be at 7:30 P.M.


## math ${ }^{3} E$

Hangover Squad Bombed In Mud Bowl

The high classed math slow pitch team was bombed on Sunday 22 to 11 .

The field on which the game was played (Village Green) was in terrible shape as each base was in reallty a swimming hole. The weather conditions were also against the mathies, it was cold, raining and the field was silppery and wet.

On the night before the game the Math squad had a party and invited their opponents for Sunday's game (Lakeshore Lakers). As it turned out the Lakers left early and thus only the math team remained to finish the refreshments. Come Sunday morning the math team was hung over and was in no shape to play baseball and the mathies suffered their first defeat in 6 games. The team doctor sald 2 players are now suffering from illnesses due to the weather conditions.

Captain Joe Keller was not available
for comment.

## Waterpolo

CO-ED INNERTUBE WATERPOLO:
Math has 2 teams entered in Co-ed Innertube Waterpolo: 1) The Boob Tubers - Captain Kathy Peycha - 576-8017
2) The floating Points

- Captain Chris Smith - 884-8C12

If all went well at the meeting held Wednesday(2. days ago) then both teams should be in the Sunday night league, which starts this sunday. The team lists are posted on the Mathletics Bulletin Board, (which if you don't already know is across from the Coffee \& Donuts lounge) along with the team schedules.

If you want to play and you aren't on the lists, contact either of the two captains c/o Mathsoc, preferably before the games on Sunday, so that the captains know who will be showing up.
N.B. During the summer Math won the Consolation round of the Co-ed Innertube Waterpolo Tournament.

## Flag Football

After a lousy season's opener against Science in which we managed just a tie after out-playing them, Math streaked on to glorious victory over the 3b Civie Slickers 20-6 last Thursday, when we completely dominated the opposition. With a completely restructured defence, the Slickers could go nowhere against us, and scored only when they blocked a 3 rd down kick. Even after that our defense was so tough they couldn't score the extra point.

Not to detract from the offense, they had great success with the AMMIN RECHAD play and NOBLE scored 2 TD's on some great receptions.

The game trophy (an ancient Mathsoc ruler of which none are left) went to BIG LOU AUBREY for his fantastic ability to break through the offensive line and sack the $Q B$. He also blocked 2 punts and caught some key passes on offence.

Next game is this week on Thursday afternoon a 4:45

## Volleyball

VOLLEYBALL gets under way this week on Thursday Oct. 3 at 7:30. This term we have 2 teams, 1 in the $A$ league and 1 in the $B$ league. Each team still needs girls to complement the rosters,so if you enjoy Volleyball girls, please come on out, you're really needed. Anyone interested please show up at the games or contact Bob Pascoe c/o Mathsoc.

## Mathletics <br> Deadlines Dates

BASKETBALL: Tues. Oct. 15
HOCKFY: Tues. Oct. 15
CO-ED EROUMBALL: Mon. Uct. 21

If you want to get involved, there is a list in the Mathsoc office with the names and phone \#'s of all the team cantains. In most cases there are $A$ and $B$ leagues.

This Weak's


1. The earliest form of an organism
2. Association to aid yaks
3. Surjective
. Tarnish
4. C. Schultz's pet
5. What this crossword is
6. Business abbreviation
7. Its atomic weight is 92.91
8. Ribaldry
9. Sailor (slang)
10. New York train
11. Imagine it
12. Down (2 wds)
13. The 7 faces of Dr. $\square$
Government issue as possible
14. Veracity
15. Composer of Il Trovatore
16. Immoral function
17. Greek letter
18. Civil $\qquad$
19. Pallid
20. Snapshot
21. Famous last word
22. What's the
23. Stitch
24. Prof's assistan
25. Man or ape
26. Non vector
27. Vigilant

28. Sun worshipping function
29. Lisper's S
30. Design
31. Equal
32. Stellar explosion
33. Malay title of respect
34. Ontario Student Service Counsel (Abbr.)
35. Fable, legend
36. Hawaiian food
37. Article
38. Lorne Greene
39. Up-down-up

## Computing CentreCourses

As part of the continuing fall series of Computing Centre courses, the followinr course will be held next week. To rerister please contact Dianne Hart, User Services Secretary, extension 3271.

## Introduction to WYLBUR

ViYLBUK is a terminal system which provide; soverful text editine, sirolified cormint lanruage, file hankiling features and rerote job submission facilities on a terrinal.

This course, consisting of 2 sessions, will be held on October 7\& 9, 7:00-9:00 P.M.


## ACROSS

. "He lives!"
6. He was a relative man
14. And no (French)
15. The _of Stalag 17 (Robert Strausse)
16. Symmetrical letter
17. a/b
18. Scrub
19. Logical operator (Fort.)
20. Study of muscles
22. Varlety of heat unit (Abbr.)
23. American Athletic Union (Abbr.)
24. Dessert letter
25. Note
26. Found on some cognac bottles (Abbr.)
27. Atomizer's vapour
31. They taste better than Ex-Lax
33. Egyptian goddess (cow headed)
34. Jocose
37. Bedside companion
40. Prescribed portion
41. Fireplace
42. Tendon
43. Special button on a 2741
45. One aspect of a programme (Abbr.)
46. Topcat's nickname
47. Existed
48. He's numero uno
49. He retired last term
54. Article
55. Home
57. The kind of choice we had last duly 8 th
58. Score a strikeout
53. Abhor
60. Stop, enough (Naut.)
61. He wouldn't read this paper
63. Meanwhile back at the



NAME $\qquad$

# BURLOAST 

The Computing Centre Cleanup Crew has finally got to work. This week, many numbers on Computing Centre APL vanished. The popular Computer Science Day numbers, which had effectively replaced the Generaluse numbers, vanished, along with many course numbers. About the only people with accounts still avallable on the 360-44 are CC staff and grad students. This new developement is apparently another move in the effort to phase in Honeyapple, or APL on the 'Bun, and to phase out usage on the 360.

A few years back, the Math Faculty had their own 360-50 amid all the CC computers. This machine supported APL and the odd assembler jot. There were Generaluse numbers on that system as well as private accounts. Then, in 1972, the Math Faculty got rid of their IBM machine and acquired the Honeywell 6050. Originally, Honeywell was supposed to supply APL for the Bun. What they supplied was a disaster. Apparently for the sake of portability. APL was written in Fortran. Fortran has never been noted as a language for writing systems in , and the MPL that was supplied was reputed to have been able to support no more than two users, and then grind so much as to make response unreasonable. The Math Faculty negotiated with Honeywell, and was able to pick up some extra hardware by striking the clause which dealt with delivery of APL from the contract. As a result, the MF had a machine which could run things in several languages, but no APL. The Computing Centre filled the gap by providing APL service on a 360-44. Now the 44 is a special model of the 360 , intended for process control, and as such not really meant for systems like APL. However, it served the need. A set of Generaluse numbers were set up on the 44 by the Computing Centre under the auspices of the llath Facuity. When first implemented, it was soon discovered that the numbers were lockable, and soon, all but one or two were locked. Complaints from users caused a new set of numbers to be made available, these ones being unlockable, and the old ones were deleted. Meanwhlle, back at the 'Bun, someone undertook the task of writing a workable APL for this machine. Early this year. APL reached a point where it was fairly uséable. It still had bugs, and the user was often greeted by SYSTEM ERRORs, as well as the odd NOT IMPLEMENTED message. The 6050 had had for some time the Generaluse account, USERI, which anyone could sign on to. There was only one ID as more than one user can sign on to the same account at the same time. USER1 was eventually deleted, but students could get numbers fairly easily, just by asking their profs, or by joining the CSC. This summer, the fieneraluse accounts were removed from the 44. Later on in the term, the Computing Centre had realized that the 44 was not a good machine to run APL on, and therefore decided to rush out and replace

It with a newer, better machine -- another 360-44. The new machline was supposed to have faster registers, and response did improve. The Math Faculty meanwhile has started to push APL for usage by regular users with such things as an explain file for APL, and by converting a few terminals connected to the 6050 to APL typeset. Now in the continued phasing over of APL to the 6050, a general purge was undertaken by the CC to help discourage usage of the recently acquired 44 , and to encourage usage of Honeyapple. This move is coupled with the recent change in charging policies of the Computing Centre. Now, when a Math Faculty user uses a CC service, he pays for it with real money for grants and other sources. The Honeywell, however, is a Math Faculty machine, so any money spent here by users is funny money, as it stays in the Math Faculty. Therefore, MF users would much prefer to use the Math Faculty's Computing Fallacy, and professors would prefer their students signing on to the 6050, as they pay for student usage of Computing Centre equipment out of their own funds.

You may have noticed that listings produced by the Honeyivell 6050's high speed printer have a new font. We used to be running on a full ASCII train, which has both upper and lower case letters, as well as all those other funny ASCII characters such as curly brackets which are not avallable on the standard 64 character $B C D$ print train. The 96 character train we had been using was a borrowed print train, which was belng used until we could get our own one. Well now it's arrived, and we're using it. The new train is ifulifer ASCII' which means it has more than 96 characters. It has all sorts of speclal characters not normally available, such as a diamond, and superscripts. It doesn't have two or three of the standard ASCII characters, such as the grave accent, but a slug, with these missing characters should be arriving soon, to give us full ASCII and then some. At the moment, there is no way to print the extra characters. However, SLIST is being redesigned to allow the user to get at these characters. About the only un-nice feature of the train is the underscore, whelch goes through the base of the letters being underscored, rather than below them. But still, when software that utilizes all the avallable characters comes about, you'll be able to get pretty classy looking output.

Among new developments from the 'Bun boys is a secret mail system. By modifiying your mail box slightly, this system lets you send and receive secret mail messages. What the program does, is rather than writing the message 'in' to your mail box file, it writes it 'on' to your mall file. The secret messages are undetectable by the regular mall system, and the new mail program is currently the only convenient way to send and receive secret mail.
(contirued on next page)


Well here 1 am all alone at 7:40am... this issue is dedicated to all those 'bun people without whom we could have teen finished four and a half hours ago..... and to whoever erased our mail without telling anvone, so that we ALPOST missed the last article... whoever you are, wherever you are, ve'll get you for that....; and of course to 0.11 . who took our gridwords to Cttawa with him... oh well... here's wishing all the 3 rd and 4 th vear guy with assignments due the best of luck, with the 'fun around, they'll need it... and wherefore werst thou, Mark Shields??? you missed the subs!! thanks of course to Earl for the stimulating and sympathetic conversation while the tun was down, and to the RAG lihite for typing in a lot teforehand... thanks too, to CaD for the key... and the subs... l'hy is it that no matter hov you start out, never more that two people make it to (near) the end??? and why is one of them me?? when will YCU keep your word, CP, and come out and work for a night instead of taking it easy doing assignments? we need HELP!:!....

Tonight's crew, who would have set a record if it weren't for certain ill-timed funnvtun neople (and I use the word loosely), were: Michael dillon (the first of several, including...), liike liçowan (fart-time Cridword keeper), and Michael fose, PRRaynham, Jim Mantle (torch), Claire Robitalle, Cary (almost to the end) Dryden, and Randall Mc nougall.....
**svstem going down at 8:15
(and down we ro again)


[^0]:    -APL GEMERALUSE which used to do $39 \%$ of the math computing died.

    - Math Soc's books refused to balance -Math Faculty was worried that declining enrollment figures might mean a loss of 1 million dollars in grants to the faculty
    -the mathscot, known to many as PIHIIf. was threatened with execution.

