

to lose \$1,000,000

THE FAILINGS OF WATERLOO MATH

On Tuesday, May 21, the Math Faculty Council met. A very important point for all Math students took up most of this meeting. It was said that in three years time, if the enrollment in Math continues to decline, this Faculty will lose one million dollars of its Government grants. As it currently stands there has been a 15% drop in students choosing Waterloo as their first choice university, which means there will probably be a drop of 10% in Math enrollment because only about 64% of the first choices are accepted here.

The reason, according to Prof. Beaumont, is that apparently our Math courses are too hard and that students are choosing other universities to attend as they can get through easier. Another point

was that our first year failure rate is higher than any other university that offers first year courses similar to ours. The answer proposed by Beaumont--but not, by this reporter's consensus, generally accepted by the other profs in attendance--was that mathematics should be divided into two streams, to offer an easier course for those who cannot or will not put forth the effort to get through the advanced course. The result would be to attract more students to get more government money. It was stated that we already have two streams (general and honours), and it seemed to the observer that what Prof. Beaumont was implying was that "general" would have to be made easier to attract these other students. Prof. Beaumont denied this.

ISSUE 5.2
THURSDAY, MAY 30, 1974.

mathNEWS

mathscot in limbo

PINK TIE TO DIE?

The life of that 65 foot pink monstrosity presently occupying approximately 16 cubic feet of space in the math society office may be doomed. Yes, at this past Tuesday's meeting (May 28), math society council discussed what action should be taken with regards to the pink tie--the 65 foot math society mascot (mathscot?). As one member remarked, "We are always ashamed to display our mascot in public" and another seemed troubled that a pink tie makes certain implications as to the sexual orientation of mathies.

For those who can't recall, or who have never known, the pink tie was adopted as a mascot by the math society several years ago. Apparently the founding dean of the math faculty showed a preference for wearing gaudy ties. Hence the math society members of that time chose a tie as the official mascot and pink as the official colour. They then proceeded to have a custom-made 65 foot pink tie constructed. The tie in the past has been seen to fly from atop the math building and at other times has been stolen and offered for ransom by the plumbers. It now rests in a heap, stashed under a table in the math society office.

So, apparently math society officials

have decided that the tie's days are numbered. As spring term president Paul Armstrong remarked, "we are thinking about getting another symbol to exemplify the pink tie emblem."

FED BY-ELECTION

Nominations opened yesterday (May 29), to fill one co-op math seat on Students' Council. Nomination forms are available from Helga Petz in the Federation Office, Campus Centre Room 235 and should be returned to that office by 4:30 June 5.

ELSEWHEN

Fragments from mathNEWS' files, Thursday, May 31, 1973, one year ago this week: "...Since last term, the Honeywell has expanded its software capabilities in all directions at once..almost every system has been mauled, mangled, and mutilated beyond recognition..."; "...the math (faculty) council agreed that there is a definite problem of literacy at this university; they also felt that additional required high school (English) courses would probably have minimal effect..."; "...the Math pub of May 17 with Downchild Blues Band has been the best on campus..."; "...the Water Melon Caully Flower Dough, Chapter 8: Gauss lives..."

ALL THE GOODS

"Give the students all the goods instead of distilling them," was the way math society council member Peter Lee summarized the format of the 1974-75 version of the anti-calendar. Lee revealed at Tuesday's (May 28) mathsoc session, that rather than use the method of past years, that is, written summaries of courses and profs based on the data collected, this year's anti-calendar will feature tables of the actual data collected as well as some of the students' comments. Lee remarked that this format "will reflect the questionnaire fairly closely." Council plans to have from 1500 to 2000 copies printed and has budgeted \$2500 of this term's funds (that's over one half of the budget) for the anti-calendar.

Christine Charlebois, mathsoc social director, presented an up-date of the plans for the spring term version of MATH week. The weekend of events is scheduled for Thursday July 4 through Saturday July 6. Thus far pubs have been suggested for each of the three evenings with one of the pubs to double as an amateur night. A picnic is planned for the Saturday afternoon.

Nominations for math society reps, scheduled to close last Friday are still open because as Chief Returning Officer Joan Scarrow noted, "we put up some signs and nothing happened!" The election is scheduled for June 10.

In other business, \$20 was allotted from the office supplies budget to purchase blank cassette tapes in order to record some new music to pump into the third floor lounge.

Having reconciled the bank balance from last term at \$3185.69 and estimated a fee revenue of \$1400.00 for this term, treasurer Don Sheehy presented the following final budget:

FINAL PROPOSED BUDGET

Anti-Cal	\$2,500.00
Computer Science	301.40
Contingency Fund	173.86
Education	100.00
Honoraria	100.00
Mathletics	100.00
mathNEWS	400.00
Office Supplies	50.00
Orientation	100.00
Publication	60.43
Social	700.00
	<u>\$4,585.69</u>

As prepared by Don Sheehy and Cindy Harris,
May 24, 1974

fantom
fotos



a comment

FED FOLLIES

Last issue mathNEWS carried an erroneous item claiming a resumption of the Federation's bus service to Toronto. Although mathNEWS regrets any inconveniences caused, the incident does point out a rather important issue. The lack of bus service is just one in a list of many items which the Federation of students is failing to provide for spring term students.

This brings up a major flaw on the part of the Federation's philosophy - an, "oh well, it's only the summer" philosophy. Granted, there are fewer students on campus for this term and hence less money for the Federation to work with. But, spring term students are paying the same \$11 fee as students pay in other terms and therefore should expect the same value for their money.

The bus situation has already been mentioned. After mathNEWS ran the misleading article in our last issue, the Central Box Office was apparently "flooded with calls". This clearly indicates that such a service is needed and should be provided. Of course, the number of buses that would be required would not be as great as for other terms, but the contention is that some buses should be made available.

And, how about the Federation flicks? Sure, the price is still 75¢ but the 75¢ of spring term students is only worth one movie as compared to two full length films in other terms!

Then there's the rumoured closing of the permanent pub in the campus centre. How many special events, concerts, or the like have you heard are coming this term? The answer from here is none.

So, it's time that the Federation reconsider its fall and winter philosophy and give some consideration to the spring term students who pay the same \$11 that students pay in other terms.

SPOOK RETURNS

As an aside, you may have noticed (if you have not already lost all interest in the Red Room) that a game of "musical CPU's" is currently in progress down in the pit. For those poor unfortunate, uninformed and generally ignorant creatures who don't know: the 370/158 is almost upon us....

This means that the 370/145 is about to vanish and VII will run on the /158 (it was only rented you know). APL will also move to the /158....(who knows what version of course).

Best of luck for the future.

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NNNN  N  N  NNNN  N  NNN  NNN  NNNNN
N  N  N  N  N  N  N  N  N  N  N
NNNN  N  N  NNNN  N  N  N  NNNNN  NNNN
N  N  N  N  N  N  N  N  N  N  N
NNNN  NNN  N  N  NNNNN  NNN  N  N  N

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Well here it is... the summer term. Things are different from fall and winter. You can actually walk into the math lounge during the day and find a place to sit and work or eat lunch with no problem.

Things are different around APL as well. Last term, there were 19 GENERALUSE numbers (the 20th was slightly modified by a delinquent student into a CONTINUE number that was supposed to have crashed the system whenever it was signed on). Now there are none. Last term, one ambitious student took the idea from a program on the Honeywell and wrote an APL version called Startrek. It was much more sophisticated than the 'Bun version, and it proved immensely popular, to the dismay of many stats students, who complained of never being able to find a terminal because they were all tied up with the game. However, the disappearance of the GEN numbers, combined with the disappearance of the game (except for a few bootleg copies) have changed all this.

Last term, you could walk into APL and see the room full of happy, laughing people shooting down hords of Klingons. Now you walk in and see a landscape of barren terminals, with perhaps the lone clattering of a distant 2741 as some student gets an assignment done. When the 'Bun first arrived, the APL room would be packed, and only two or three Honeywell terminals would be in use. Now the situations are reversed, with everybody signing on to the 6050.

Evidently (the Phantom told me this) the /44 is seeing it's last days of APL service. It will be moved to the 370/158 when it arrives. The 360/44 has done well, considering it was a process control computer and is missing the SS machine instructions. SS instructions (storage to storage -- including instructions for moving around and playing with large character strings) are supposed to be standard equipment. Naturally, the instruction APL uses the most is MVC, an SS instruction. I've been told though, that APL had been modified to use as few MVC's as possible. HONEYAPPLE is coming along. Although still prone to SYSTEM ERRORS and FAULTS, (as would be expected on a new piece of software) it is reasonably useable.

There is a current trend in the computing world to use structured programming techniques. As FORTRAN, a popular language, is notoriously lacking statements for writing structured programs, there is an anti-FORTRAN mood spreading throughout the computing world. Although this may be a good idea, it has had certain bad side effects. Many of the computer courses used FORTRAN as the language to do programming in. Naturally, the Computer Science department couldn't be caught supporting something undesirable, so a few

changes were implemented.

The computer science courses offered by U of W in first and second year, particularly M123A and M240B have changed from Computer Science courses to Programming courses.

Learning new languages is not a bad idea, but I don't think the emphasis currently being placed on this is a good idea. I think that in first year, that the University should teach programming concepts such as how to create algorithms for given problems, rather than where to put the PERFORM clause in a COBOL program. For this purpose, an easy to learn language (such as BASIC) could be used. COBOL seems a bad way to start off a new user on computer science. I, as a student, would much rather learn how to solve some problem on the computer than do finger exercises punching up an eighty card COBOL program to list a student file. (I'm still convinced COBOL is a Communist plot to set Western computer technology back ten years.)

As far as math 240B goes, comparing last year's course (72-73) with this year's, I see several interesting subject areas, such as binary trees and searching techniques have given way to lessons on where to put ALGOL semicolons. Linked lists are still taught, but, unfortunately, with ALGOLW's records and references.

I'm told that records and references were added by this Mr W who got his initial on the end of the ALGOL name. His creations are easily distinguished from what came from ALGOL 60. While ALGOL 60 itself has a reasonable structure, and methods of handling things such as subroutines, I don't think Mr. W could have made a bigger mess of his records and references if he had tried. Rather than implementing them in a reasonable way, he designed them so that you go through all sorts of wild and wonderful procedures. Then records magically appear and disappear as you get lost in a tangle of pointers. The student would come away with a better understanding of linked lists if he used something reasonable like L6, or even simulated them in FORTRAN, than he would from hacking his way through ALGOLW.

This Week's Try This:

This is to be tried on APL 360. First, create the array X. Notice X has zero elements in it. Next, try to subscript X as shown. Notice how the subscript expression has the right rank and index values. If you wish, you can try subscripting again with the wrong index, or wrong rank.

```

X←0 1000 1000 1000p1000
X[:::]

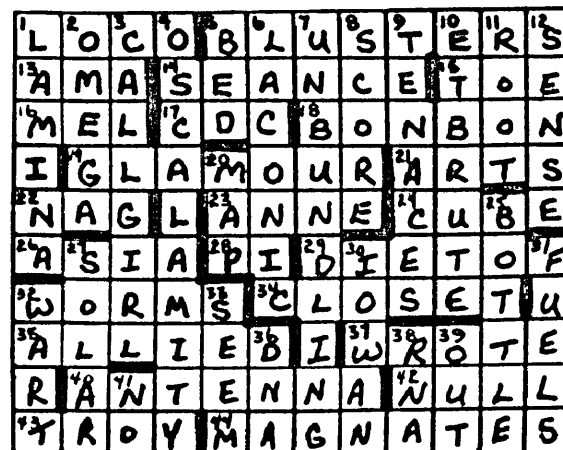
```

#####	#####	1620 - 1710
#####	#####	BUFFS WILL
#####	#####	IMMEDIATELY
#####	#####	RECOGNIZE
#####	#####	THIS AS A
#####	#####	FLAG OVER A
#####	#####	RECORD MARK

ACROSS

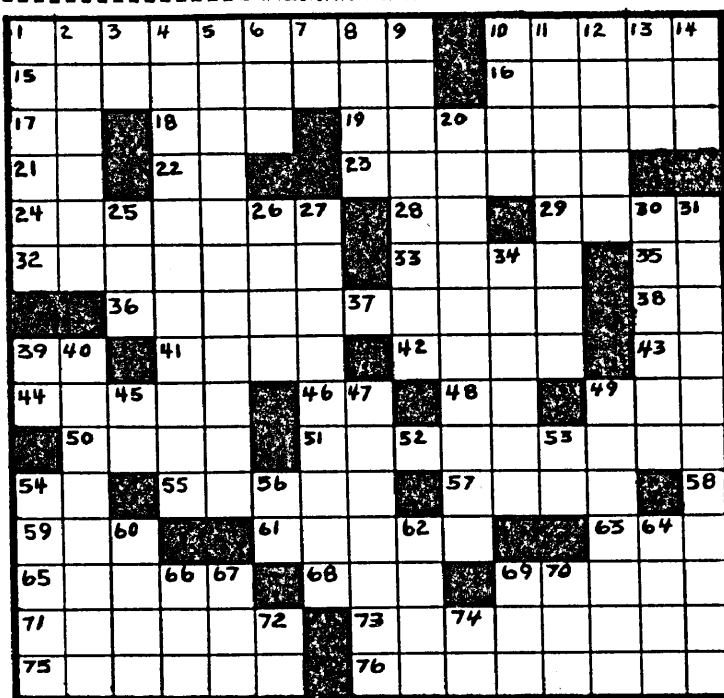
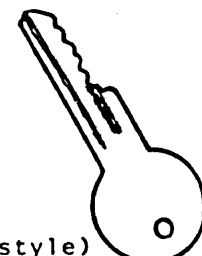
- 01 nylon chastity belt
 10 common language
 15 deliverers
 16 a deep brass /1,4/
 17 Old English
 18 University of Toronto
 19 physically active
 21 headman
 22 not nice
 23 ___ fits /4,2/
 24 Canadian humorist
 28 degree granted North of Columbia
 29 increase
 32 infuriates
 33 word element meaning 'sexual union'
 35 potential energy
 36 a triple tilter /1,3,6/
 38
 39 German mister
 41 International Association of Lazy Asses
 42 not Pinta
 43 preposition
 44 fabler
 46 technical report
 48 a palm-like plant
 49 end of road
 50 hyperbolic function
 51 a 4 sided figure
 54 Italian river
 55 Middle East country
 57 licensing board
 58 Liberal
 59 finish
 61 round and round
- 63 ___-nan(Ch city)
 65 heads or ___
 68 ____, Gotcha
 69 here, the French
 71 carves
 73 election:chinese pronunciation
 75 full of water plants
 76 sales slip /4,4/
- MM| | | | DOWN | | | | MM

- 01 inhabitants of the earth
 02 St Mary's ___
 03 not yes
 04 cut-offs
 05 Arch143,142
 06 strike
 07 Out of Stock
 08 good movie
 09 female hormones
 10 Canadian Artistic Lawyers and Bettors
 11 O!, the times(latin)
 12 C₄Hg
 13 Japanese woman's sash
 14 Lake(french)
 20 Mary ___ - ___ lamb /3,1,6/
 25 a red apple
 26 to overlay with plaster
 27 member of a certain Hindu cast
 30 not down, stupid /2,4/

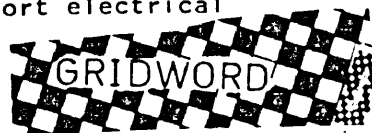


This Gridword by DAVID TORTILL

- *****
- 31 independent
 34 servile
 37 a vowel
 39 laugh
 40 to vibrate in harmony
 45 APL damage
 47 extends
 49 self-centered person
 52 See
 53 ___ Sellers
 56 Red Cross
 60 crans
 62 fa ___ /2,2/
 64 slow(Italian-Canadian style)
 66 Doctor of Humanities
 67 52 down
 69 wet and cold substance
 70 Canadian Transport Society
 72 short sound
 73 short electrical
- *****
- LAST WEEK'S



This Gridword is by MIKE COOPER

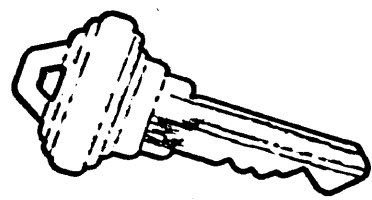


))))))))) GRIDWORD COMMENT((((((((((((((((((((

A total of 8 correct answers were among the 10 entries we got for the last gridword contest.
 The winner was..
 MARNI BELLINGHAM
 Non-winners who had correct solutions were Mark, Steve, Peter, Dave, Jim, Howard and Fred.

This week's gridword deadline is 4pm Monday, JUNE 11. Our subscribers are eligible (we had 1 for this contest).

Where, oh, where are the gridword creators? If you don't show up soon this page will cease to exist(gridwords 5.1 & 5.2 are left over from last term). Remember its a free T-shirt for each one we accept.



NAME _____
 PHONE _____

MONDAY
 JUNE
 11

THIS Σ WEEK'S THEOREM

REQ'D: Prove that $\pi = 8/3$

PROVE:

The following are two theorems well known in the theory of conic sections.

I. The area of the semiellipse in diagram (a) is $\frac{\pi ab}{2}$, where $2a$ and $2b$ are the major and minor axes, respectively, of the ellipse.

II. The area of the parabolic segment in diagram (b) - the area of a parabola cut off by a chord perpendicular to the axis of the parabola - is $\frac{2}{3}$ that of the circumscribed rectangle.

If now the major axis of the ellipse is allowed to increase without limit, the ellipse degenerates to a parabola, and the semiellipse becomes a parabolic segment. But theorems I and II above hold regardless of dimension.

Therefore,

$$\begin{aligned} \frac{\pi ab}{2} &= \frac{2(a2b)}{3} \\ &= \frac{4ab}{3} \end{aligned}$$

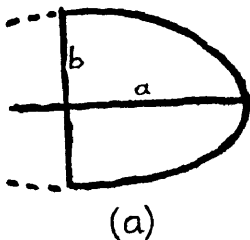
Hence

$$\frac{\pi}{2} = \frac{4}{3}$$

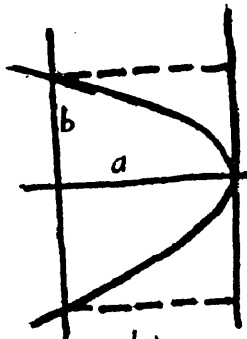
or

$$\pi = \frac{8}{3}$$

QED



(a)



(b)

(Note: mathNEWS will print your classified ads FREE OF CHARGE. Just jot them down on a slip of paper, take it to room MC 3038 and have someone there deposit it in the mathNEWS file. Or, drop your ad in the campus mail (a free service) addressed to: mathNEWS, MC 3038.)

WHAPPENING?

- May 30 2pm. Prof. Lorenz Kruger will talk about "Are Statistical Explanations Possible?" Hum 334
- May 30-31 C.C. Pub starring Paul Angilla (9pm-1am)
- May 30- June 2 Fed Flick "High Plains Drifter" Arts Lecture 116 at 8pm 75¢
- May 31 Prof. J. Michl will speak on "Hydrogen Excimer - A Bound state of H₄" MC 5158 3:30pm
- June 1 Central Stores Auction. Viewing items starts at 11 am. Sale starts at noon. Courtyard of CS
- June 3-7 Co-op Employer Interviews (Math)
- June 4 10am. Board of Governors meeting at which the Fed fee increase of 14% and the faculty sabbatical salary increase of 33% will probably be rubberstamped. Needles Hall
- June 6-9 Fed Flick: Pete 'n Tilly, AL 116, 8pm
- June 6 UII Travel Lecture Series. Betty Tnulman talks about "The Many Faces of Spain" 8pm Physics 150
- June 10 MATH ELECTIONS for 1B, 2B, 3, 4
- June 10 4:30 Deadline for co-op math job choices.
- June 11 mathNEWS Production Nite 6-12pm

C & D

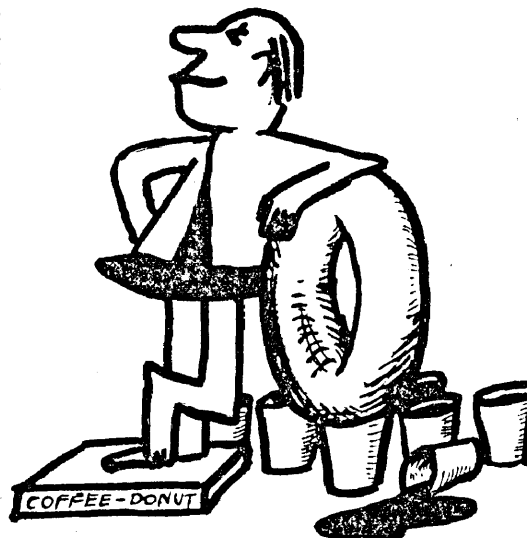
Located in the 3rd floor math lounge.

Open: 8:30am to 2:00pm

COFFEE -10¢
DONUTS -10¢
KAISERS-40¢
SUBS -75¢
SOUP -10¢
DANISHES -30¢

And coming soon:

LEMONADE 10¢



math ETICS

volleyball cancelled

NOTICE: Math Volleyball has been cancelled this term due to the fact that either the captain or co-captain took the master list of players to phone them and never returned with the list so we could not submit it to the Intramural director before the deadline.

baseball

On a happier note, the Math Competitive Baseball team is 3 and 0 this term so far and our fan says the games are pretty exciting, so if you're interested why not come out and join our fan to see our team streak on to victory this summer. Games are listed on the Mathematics Bulletin board outside of C & D.

dribbling

Our competitive Basketball teams aren't faring nearly as well. The A team is 0 and 2 and the B team is 1 and 1 but they still would like moral support, in the form of young girls to do timing and scoring for the team as well as cheer. If

Interested get hold of Don Sheehy in the Mathsoc office and speak to him.

slow pitched

On the co-ed scene, our slow pitch team streaked to a resounding 19 to 9 defeat last Wednesday over the Co-ed Rec team even though the distaff members of the Rec team outnumbered the Males 2 to 1. After the game the score was Males:females=3:0 for a trip to the Campus Center pub. The team feels that as the season progresses we can achieve parity in the males:females ratio at the pub while not necessarily achieving parity on the field.

waterpolo

The co-ed Inner-tube Waterpolo team crushed the opposition last Thursday night by the unofficial score of 3241 to 2, with excellent efforts by all under the superb coaching of Cathrine Peycha. It's too bad we didn't have this team during the winter term when they had inter-university play-offs; we could have been stars and even had our pictures in the Gazette (oh, big times)!

mathsoc president writes

MEMBERS NEEDED

Mathsoc is appealing for nominees for vacant council positions. Voting members on the summer council, as of now, consist of the interim president, one 1B rep. and one 2B rep. That means that 3rd. and 4th year students have NO representatives on council!

Someone has to organize social events (pubs, bridge tournaments, car rallies, camp-out weekends, orientation, etc., etc.,) as well as providing manpower for an efficiently-run activity.

The anti-calendar, published each year by mathsoc, requires programmers and typists.

During the late 60's and early 70's, student pressure resulted in mathsoc reps being given VOTING powers on curriculum committees, and the faculty council. Now we don't have enough people interested enough to attend.

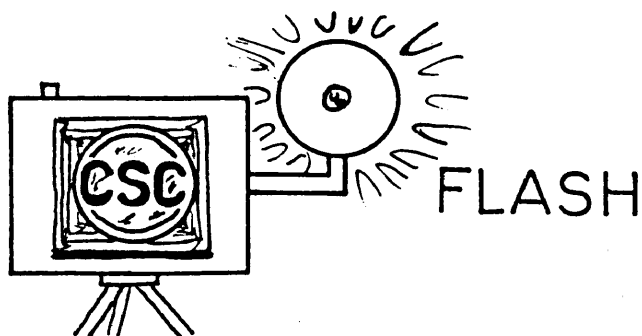
Nominations for additional 1B and 2B

reps, as well as 3rd and 4th year co-on reps have been open for two weeks. To date, none have been received. Does no one care? Does no one want to help organize events that we all want to participate in?

If you want to participate, nominate yourself. In all probability, you'll be acclaimed, so you won't have to worry about a long and embarrassing campaign. Drop by the Mathsoc office (M&C 3038). Drop a letter in Mathsoc's MAIL BOX. (userid=Mathsoc). Do something. We need you.

CLASSIFIED

Pub-Dance: with "Fast Eddy" at the Transylvania Club Kitchener (3 blocks south of the K-W Hosp.) on Fri. June 14 at 8:00. No jeans; admission - \$2.00. For tickets or info. phone Peter at 743-4263.



The organizational meeting for the CSC was held May 15. The elected executive for this term is Jim Parry (president), Joe Peters (vice-president) and Tom Duff (secretary/treasurer). The CSC will be run differently this summer. The keyword is involvement. If members don't get involved, nothing will be done. That means that we want volunteers to handle publicity, organize meetings, take care of our library, etc.

No one volunteered to organize meetings, so there will be no meetings this term. No one volunteered to handle publicity, so no one will be told that there are no meetings. One person offered to help with the library, so the library may be open for reference for two or three hours a week. No one volunteered to set up an accounts file, so there are no Honeywell userids for CSC members yet.

Projects are going strong. The CSC will support its chess project again, and is investigating the feasibility of a macro processor and of updating "A Taste of Honey". Is anyone interested in implementing WALBOL?

There will be a CSC trip this summer. We have one planned for July: a tour of Air Canada's flight simulation system (controlled by computer) in Toronto. Unfortunately, our hosts will be able to accommodate only 15 or 20 people. We may try to arrange a second trip somewhere else, and we will try to arrange a guest speaker for this term.

Membership so far this term is up to 38. We are shooting for 50 or 75.

CSC Chess Project

The CSC will be holding the First Canadian Computer Chess Championship June 21-23, 1974. The chess tournament will be open only to computer chess programs, and is sanctioned by the Chess Federation of Canada. We hope to have between 5 and 10 entrants, about half of them Canadian. The tournament is being sponsored in part by Mathsoc and by the Math Faculty. For more details, contact Mike Campbell, tournament director, in MC 2015.

Our program, Ribbit, is coming along very well. We played Chute 1, a chess program from U-of-T, on Saturday May 18, and beat it twice. Anyone with the proper qualifications may ask to join the chess project. Proper qualifications include playing really decent chess and/or being able to code GMAP "in your sleep". For more details, see Jim Parry (MC3013A or TSS userid "jparry" via "mail").

CSC Seminars

One thing the CSC is organizing this summer is our series of seminars on the Honeywell. These seminars will cover all sorts of interesting goodies pertaining to the "Bun", and will run most of the summer. For more details, see Joe Peters in MC 4057.

sound-off:

B. Delsey

At the Math Faculty, Council Meeting on the 21st, the problem of declining enrolment was discussed. A solution proposed by Professor Beaumont, was that Mathematics should be divided into 2 streams to offer an easier course for those who can't or won't put forth the effort to get through the advanced course. The result would be to attract more students to get more government money. It was stated that we already have 2 streams (General and Honours) and it seemed to this observer that what Prof. Beaumont was implying was that "general" would have to be made easier to attract these other students. Prof. Beaumont denied this, but considering the statement that the courses must be divided into 2 streams with one easy enough to attract the students that other universities are getting and then stating that the "general" course would not be made easier seem to be mutually exclusive events and only one of them may be true.

The above is not meant as a stab at Prof. Beaumont as he is in a tough situation. He has to attract students to this university to get the money to keep it going but he also has to make sure that the degree that is issued is worth more than a roll of DELSEY.

Perhaps a better method than making the courses easier would be to hire a team of salesmen to go out and sell this University for what it is, a damn good school for Math, telling the students that they won't be in for a really easy time, but then when they get out they'll be in a better position to get a job (if that is what they're into) because at present a degree from Waterloo is recognized across Canada as one of the best on the continent.

This way, the university will get the top students that they want instead of haphazardly taking anyone who saw the Waterloo brochure in their High School guidance office and just figured maybe they'd come here because it had a pretty campus and maybe reach the students who never thought of Waterloo as their prospective University.

FEED BACK

mathNEWS welcomes your criticisms, comments, suggestions, etc. All letters should be signed, but, if requested, a pen name will be used. Submit your feedback to MC 3038 and have someone there deposit it in the mathNEWS file. Or, drop your letters in the campus mail (a free service) addressed to: mathNEWS, MC 3038.

this week

STRAIGHT MATH

Professor Peter Hoffman is in the Pure Math department, which specializes in the kind of courses he enjoys teaching--things like "straight" math (e.g. algebra, geometry, calculus). At the fourth year and grad level he usually teaches courses related to topology. Topology is "straight" math, involving topics such as the study of surfaces (related to algebra and calculus), or trying to make mathematically precise the idea of a one-sided surface such as is formed by twisting a strand of paper through 180 degrees and glueing the ends (the Möbius band).

Prof. Hoffman was born in Noranda, Quebec (where most of the good hockey players come from--he used to live down the street from Dave Keon) on November 29th, 1941. He is now married, with two children: half male, half female.

He enjoys music, walking, fixing things. Two weeks ago he attempted to fix his Land Rover; there will be another attempt soon...the beginning of an infinite series? You do a lot of walking when you don't fix things right. Prof. Hoffman lives in Bridgeport, about an hour away.

He was an undergrad at U. of T., where in 1963 he obtained a degree in Math, Physics and Chemistry. The professor feels that to understand math, it helps to have a good background in the physical sciences. It makes it easier to explain and motivate some aspects of math courses. He thus likes to encourage students to take some of their options in these areas, if they have an aptitude in them. The differential equations arising in Physics, especially in the 20th century theories of relativity and quantum mechanics, can be explained and analysed making use of "pure" notions like groups and topology. In general relativity one starts with a four-dimensional model for the universe (3 space, 1 time), analogous to a 2-dimensional surface. Making reasonable physical assumptions, can you deduce mathematical properties? e.g. curved or flat? unbounded or bounded? These sorts of questions have given some impetus to the development of topology.

He obtained his Ph.D. in Math at Manchester in 1966. It was in topology,

and he has written a few papers on that subject. When looking for a job, he wrote a few letters, took what looked like the best offer, and ended up here at Waterloo. He has been away temporarily three times since then, one term in Illinois, a year in Manchester (with teaching and research), and five weeks in Chicago (just research).

Prof. Hoffman is a member of the Pure Math Executive Committee. Its chief purpose is to discuss things that are to come up in a general meeting, e.g. reports forwarded by other committees.

At the moment he is teaching three courses, which is eight hours of lectures a week, plus tutorials. One thing affecting undergrads which he would like changed is the dreary uniformity between course sections in the core courses in the areas he is teaching. The fixed course outline which includes specified textbook is rather stifling. There should be a detailed list of topics, and the rest left to the prof. It is enjoyable to at least make a decision about which text will be used, if any, and the order of topics. There is no single correct way to teach a course--there are many. The above ideas would of course mean no common exam. However, the relative difficulty of exams often has more to do with prior hints about what to study than with the difficulty of the questions anyway.

Many students here are "job-oriented". Professor Hoffman likes to teach students who are interested in math simply because it is very interesting, as well as because they have some career in mind. Getting them interested is probably a more important aspect of lectures than is explaining what is already explained in the text.

The comment given about politics within the faculty of math is that there seem to be fewer contentious issues than in the past. Those that do pop up seem to be resolved without declarations of war. (No job here for Henry K.)

When asked about mathNEWS, the interviewer was told that we misprinted both of his letters (I believe this was some time last fall)--but otherwise we are O.K. An idea is that we should perhaps start serious articles on the curriculum.

Any volunteers from our reading audience to do a column on the contents of their course(s)?

mathNEWS - a news weekly published at the university of Waterloo, is financed through mathematics society fees and is available free of charge to math undergrads. Circulation this issue: 500.

One would think that with 28 terminals to choose from one could find a terminal to print the mathNEWS final copy with ease.....our conclusion don't think. A note to the occasional soul who writes us: please spell our name right....it's mathNEWS not Mathnews....we have been getting some mail that went to Matthews office first. Our apologies to those of you misled by our bus schedule....and to the person who returned our ink and pens....we're having second thoughts about the matter....they've been as useful as mathSoc's pink tie.

Oh well...our thanks go to JIM PARRY, GARY DRYDEN and PAUL ARMSTRONG for supplying articles and to MARILYN MOORE of C&D for the coffee, but not the key.

Our staff for this week were PETE (with a talent like yours you should work for enginews) RAYNHAM; PAUL (Y?) LEAR; SUE BOND (s well with ink); CATHY POTTER (pizza editor); RANDALL (is that all?) MACDUGAL; INGRID (lightless) SPLETTÖESER; the phantom; MARK (here I am) SHIELDS; JOHN (well tested!) PEEBLES; and DENNIS (coffee editor...) MULLIN. We hope you can make it out to help produce our next great issue on Tuesday, June 11 in mc3011 between 6pm and 12??

**time sharing off at 3.497 on 05/29/74